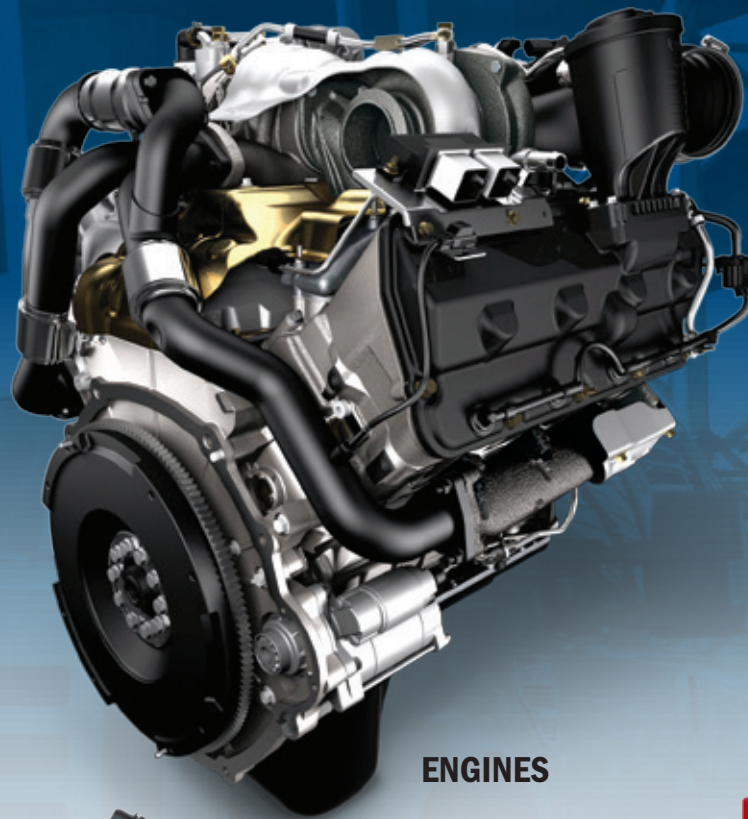




Diesel Sales Reference Manual

FOR ALL FORD POWER STROKE DIESEL ENGINES



ENGINES



COMPONENTS



MAINTENANCE PRODUCTS



**NEW Service Part Warranty
on
Ford Genuine & Motorcraft Parts**

**2-Years/
UNLIMITED Miles**

-  **Includes Labor***
-  **NO Commercial Exceptions!!**



FORD PARTS



See your Ford or Lincoln Dealership or Ford Authorized Distributor for additional details

*Labor may have a limit. See your seller for a copy of the limited warranty.



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HOW TO USE THIS MANUAL

The Diesel Sales Reference Manual delivers:

- 1) Simplified part number identification for selling Ford remanufactured diesel parts and engine assemblies
- 2) Key selling features and benefits for the Ford brand of replacement diesels
- 3) 100% core credit return policy information
- 4) Part number cross references and a part number page index

How to use this manual:

This manual answers most questions about replacements for diesel engines used in Ford Motor Company vehicles.

Properly identifying replacement part numbers begins with identifying the vehicle and engine using one of the following two methods:

METHOD 1



Finding the Ford service part (assembly) number used to replace an original engine begins with retrieving the production engine ID number from the calibration label located on the oil reservoir (94-95 MY) or on the left valve cover (96 MY to 2003) for 7.3L engines. The calibration label is located on the Fuel Injection Control Module (FICM) for 6.0L engines 2003 to 2007, and on the Vertical EGR Cooler for the 6.4L engine 2008-2010. The production engine ID number or tag number is the large 7-digit number at the top center of the label. Record the seven digit production engine ID number.

Example: 5G 001 AA

Refer to the Engine ID Number Cross Reference Section (beginning on page 112 of this manual) and locate the production engine part number. The correct replacement service part number will be listed in the column labeled Ford Service #. All remanufactured replacement engines, components and parts are grouped in trim levels in this section. In the 5G 001 AA example, if you chose to replace the complete running engine assembly (6007) you would select Ford Service Part Number F4TZ-6V007-FARM.

METHOD 2

This alternate process is also reliable. Begin by retrieving the engine serial number. See next page for engine serial number locations.

Next, make the appropriate selections from the Applications Section (beginning page 4)

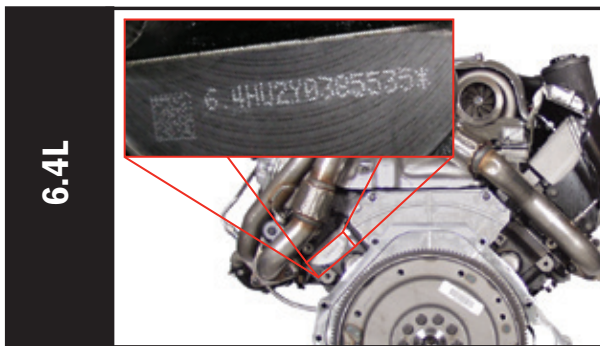
Make the following selections:

- Select page for engine and model of truck: LCF, F Series, Excursion or E Series
- Select engine level of service from the Application column, e.g. engine Short Block (6009), engine Long Block (6006 or 6012), engine Complete (6007), etc.
- Select application and model year from the two appropriate columns, e.g. 1996 E-350 California
- Verify engine serial number from the Engine Serial Number Breaks column*

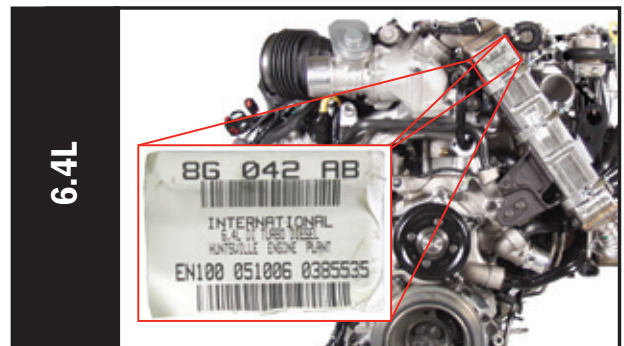
METHOD 2 (continued)

In the example of a 1996 7.3L E-350 California with engine serial number 301,001, the correct choice of replacement assembly numbers for a engine-long block (6006) would be F6UZ-6V006-AARM.

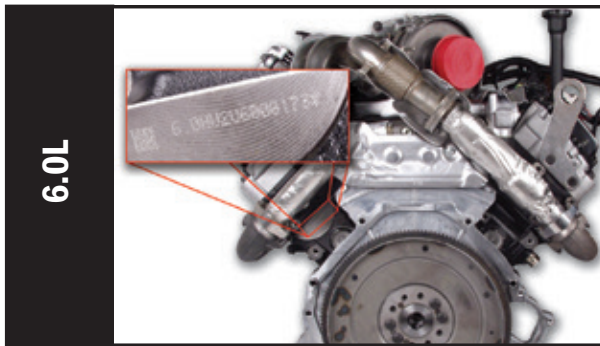
* When verifying 6.0L serial numbers, look at the entire serial number to determine build origin. If the sixth digit is the letter Y, then the engine was built in Huntsville, AL and the serial number ends in a range of 0-94,580 for 2003 and 137,745-current for engines built after 2003. If the engine serial number ends within the 6,000,000 series and the sixth digit is the letter U, then the engine was built in Indianapolis, IN.



Left Rear Corner Crankcase



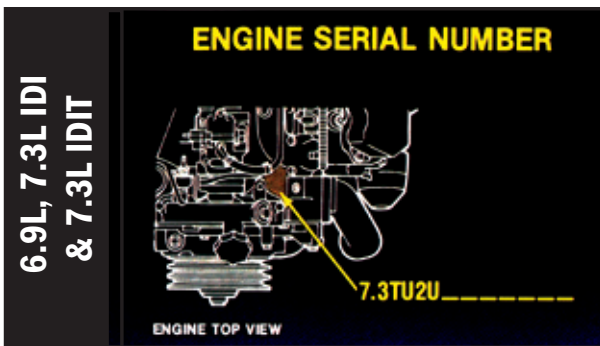
Vertical EGR Cooler



Left Rear Corner Crankcase



Fuel Injection Control Module



Top Front on Flat Embossed Area



Left Rear Oil Cooler Base



APPLICATIONS - V8

6.7L

F-250/F-550

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE (REMAN)					
2011-2014	F-250/F-450 Wide Frame (Pickup)	--	DC3Z-6007-ARM	--	45
2011-2014	F-350/F-550 Narrow Frame (Chassis Cab)	--	DC3Z-6007-BRM	--	45
ENGINE, COMPLETE (NEW)					
2015	F-250/F-450 Wide Frame (Pickup)	--	FC3Z-6007-A	--	45
2015	F-350/F-550 Narrow Frame (Chassis Cab)	--	FC3Z-6007-B	--	45
2011-2014	F-250/F-450 Wide Frame (Pickup)	--	DC3Z-6007-E	--	45
2011-2014	F-350/F-550 Narrow Frame (Chassis Cab)	--	DC3Z-6007-BA	--	45
ENGINE, LONG BLOCK (NEW)					
2011-2015	F-250/F-550	--	FC3Z-6006-A ***	--	45
ENGINE, SHORT BLOCK (NEW)					
2011-2015	F-250/F-550	--	BC3Z-6009-A ***	--	45
CAMSHAFT					
2011-2015	F-250/F-550	--	BC3Z-6250-D	--	54
CONNECTING ROD (W/O BEARINGS)					
2011-2015	F-250/F-550	--	BC3Z-6200-A	--	55
CRANKSHAFT					
2011-2015		--	BC3Z-6303-B	--	57
CYLINDER HEAD*					
2015	F-250/F-550 (Left Hand)		FC3Z-6049-A	--	59
2015	F-250/F-550 (Right Hand)		FC3Z-6049-B	--	59
2012-2014	F-250/F-550 (Left Hand)	After 2/1/2012	BC3Z-6049-P	--	59
2012-2014	F-250/F-550 (Right Hand)	After 2/1/2012	FC3Z-6049-B **	--	59
2011-2012	F-250/F-550 (Left Hand)	Before 2/1/2012	BC3Z-6049-S	--	59
2011-2012	F-250/F-550 (Right Hand)	Before 2/1/2012	BC3Z-6049-R	--	59
EGR COOLER & GASKETS					
2011-2015	F-250/F-550 Cooler		BC3Z-9V425-A	--	62
2015	F-250/F-550 Gasket		FC3Z-9P455-A	--	62
2011-2014	F-250/F-550 Gasket		BC3Z-9P455-B	--	62
EGR VALVE					
2011-2015	F-250/F-450 Wide Frame (Pickup)		BC3Z-9D475-D	CX-2405	64
2011-2015	F-350/F-550 Narrow Frame (Chassis Cab)		BC3Z-9D475-C	CX-2404	64
FUEL INJECTOR					
2015	F-250/F-550 (for cylinders 1,2,7 & 8)	--	FC3Z-9H529-A	CN-6019	67
2015	F-250/F-550 (for cylinders 3,4,5 & 6)	--	FC3Z-9H529-B	CN-6020	67
2011-2014	F-250/F-550 (for cylinders 1,2,7 & 8)	--	BC3Z-9H529-A	CN-5022	67
2011-2014	F-250/F-550 (for cylinders 3,4,5 & 6)	--	BC3Z-9H529-B	CN-5023	67
FUEL INJECTOR SEAL KIT					
2011-2015	F-250/F-550 (for cylinders 1, 2, 7 & 8)	--	BC3Z-9229-A	CM-5191	70
2011-2015	F-250/F-550 (for cylinders 3, 4, 5 & 6)	--	BC3Z-9229-B	CM-5192	70
FUEL PRESSURE REGULATOR					
2011-2015	F-250/F-550	--	BC3Z-9C968-A	CM-5185	74

NOTE: * Cylinder Head Gaskets & Bolts sold separately. Gaskets: BC3Z-6051-A (Right Hand) & BC3Z-6051-B (Left Hand); Bolts: BC3Z-6065-B - M8 x 75mm (Qty. 18); BC3Z-6065-C - M8 X 45mm (Qty. 4) & BC3Z-6065-A - M8 X 75mm (Qty. 1) Left Hand Only. **DO NOT REUSE OLD BOLTS!**

** Also need FC3Z-00810-A (2) and FC3Z-9A462-A for pickup or DC3Z-9A462-B for chassis cab.

*** Required Engine Installation Kit sold separately. 2011-2014 order BC3Z-6079-B; 2015 order FC3Z-6079-A.

6.7L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL SYSTEM CONTAMINATION REPAIR KIT †					
2015	F-250/F-550	--	FC3Z-9B246-A	--	--
2011-2014	F-250/F-550	--	EC3Z-9B246-A	--	--
HIGH PRESSURE FUEL PUMP					
2015	F-250/F-550	--	FC3Z-9A543-A	--	71
2011-2014	F-250/F-550	--	BC3Z-9A543-A	--	71
OIL COOLER					
2011-2015	F-250/F-550	--	BC3Z-6A642-B	--	75
TURBOCHARGER					
2015	F-250/F-450 Wide Frame (Pickup)	--	FC3Z-6K682-A	--	76
2011-2014	F-250/F-450 Wide Frame (Pickup)	--	BC3Z-6K682-A	--	76
2011-2015	F-350/F-550 Narrow Frame (Chassis Cab)	--	BC3Z-6K682-B	--	76
TURBOCHARGER ACTUATOR					
2015	F-250/F-450 Wide Frame (Pickup)	--	FC3Z-6F089-A	--	81
2011-2014	F-250/F-450 Wide Frame (Pickup)	--	BC3Z-6F089-A	--	81
2011-2015	F-350/F-550 Narrow Frame (Chassis Cab)	--	BC3Z-6F089-A	--	81
WATER PUMP					
2011-2015	F-250/F-550 (Primary)	--	BC3Z-8501-A	PW-502	86
2011-2015	F-250/F-550 (Secondary w/ Dual HD Alternators)	--	BC3Z-8501-B	PW-503	86
2011-2015	F-250/F-550 (Secondary w/ Single Alternator)	--	BC3Z-8501-C	PW-504	86
Sensors					
SENSOR, CAMSHAFT POSITION					
2011-2015	F-250/F-550	--	BC3Z-12K073-A	DU-92	89
SENSOR, CRANKSHAFT POSITION					
2011-2015	F-250/F-550	--	BC3Z-6C315-A	DY-1148	90
SENSOR, EGR PRESSURE					
2011-2015	F-250/F-550	--	BC3Z-9J460-C	DPFE-20	90
SENSOR, ENGINE COOLANT TEMPERATURE					
2011-2015	F-250/F-550	--	3F1Z-12A648-A	DY-1144	90
SENSOR, ENGINE OIL PRESSURE					
2011-2015	F-250/F-550	--	6U5Z-9278-D	SW-6357	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2011-2015	F-250/F-550	--	3F1Z-12A648-A	DY-1144	91
SENSOR, EXHAUST BACK PRESSURE (EBP) & BRACKET					
2013-2015	F-250/F-450 Wide Frame (Pickup)	FRONT	BC3Z-9J460-D	DPFE-21	92
2013-2015	F-250/F-450 Wide Frame (Pickup)	REAR	DC3Z-9J460-D	DPFE-24	92
2013-2015	F-350/F-550 Narrow Frame (Chassis Cab)	FRONT	BC3Z-9J460-E	DPFE-22	92
2013-2015	F-350/F-550 Narrow Frame (Chassis Cab)	REAR - CREW /SUPER CAB	DC3Z-9J460-E	DPFE-25	92
2013-2015	F-350/F-550 Narrow Frame (Chassis Cab)	REAR - REGULAR CAB	DC3Z-9J460-F	DPFE-26	92
2011-2012	F-250/F-450 Wide Frame (Pickup)		BC3Z-9J460-D	DPFE-21	92
2011-2012	F-350/F-550 Narrow Frame (Chassis Cab)		BC3Z-9J460-E	DPFE-22	92

NOTE: † FI pump, 2 fuel rails, 8 injector kits, 9J280 pressure & return lines, 9E964 HP fuel lines & main engine fuel line bundle.



APPLICATIONS - V8

6.7L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors (continued)					
SENSOR, FUEL INJECTION CONTROL					
2011-2015	F-250/F-550	--	BC3Z-9F838-A	--	93
SENSOR, INTAKE AIR TEMPERATURE					
2011-2015	F-250/F-550	--	4R8Z-12A697-A	DY-1146	94
Maintenance Items					
DIESEL EMISSION FLUID (DEF)					
2011-2015	F-250/F-550 (1 Gallon)	--	--	PM-27-G	95
2011-2015	F-250/F-550 (2.5 Gallons)	--	--	PM-27-J	95
2011-2015	F-250/F-550 (55 Gallon Drum)	--	--	PM-27-D	95
2011-2015	F-250/F-550 (275 Gallon Tote)	--	--	PM-27-T	95
FILTER, AIR					
2011-2015	F-250/F-550 (Primary Filter)	--	BC3Z-9601-A	FA-1902	96
2011-2015	F-250/F-550 (Pre Filter)	--	BC3Z-9601-D	FA-1909	96
FILTER, FUEL					
2011-2015	F-250/F-550	--	BC3Z-9N184-B ●	FD-4615	100
FILTER, OIL					
2011-2015	F-250/F-550	--	BC3Z-6731-B	FL-2051S	102
GLOW PLUG					
2012-2015	F-250/F-550	After 2/1/2012	BC3Z-12A342-C	ZD-18	103
2011-2012	F-250/F-550	Before 2/1/2012	BC3Z-12A342-B	ZD-17	103
GLOW PLUG CONTROL UNIT					
2015	F-250/F-550	--	FC3Z-12B533-A	DY-1297	104
2011-2014	F-250/F-550	--	BC3Z-12B533-B	DY-1261	104
THERMOSTAT					
2011-2015	F-250/F-550 (Dual Thermostats) Engine Mtd.	--	BC3Z-8575-D	RT-1231	105
2011-2015	F-250/F-550 (Right Hand) Mtd. in Low Temp Radiator	--	BC3Z-8575-B	RT-1206	105
2011-2015	F-250/F-550 (Left Hand) Mtd. in Low Temp Radiator	--	BC3Z-8575-C	RT-1207	105
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108

NOTE: ● Fuel filter kit contains both frame and engine filters.

6.4L

F-250/F-550

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2008-2010	F-250/F-550 w/ Auto Trans	--	8C3Z-6007-AARM	--	46
2008-2010	F-250/F-550 w/ Manual Trans	--	8C3Z-6007-BARM	--	46
ENGINE, LONG BLOCK (STRIPPED)					
2008-2010	F-250/F-550 w/ Auto Trans	--	8C3Z-6012-ARM	--	46
2008-2010	F-250/F-550 w/ Manual Trans	--	8C3Z-6012-BRM	--	46
ENGINE, SHORT BLOCK (ENHANCED)					
2008-2010	F-250/F-550 w/ Auto Trans	--	8C3Z-6009-AARM	--	46
2008-2010	F-250/F-550 w/ Manual Trans	--	8C3Z-6009-BARM	--	46
ENGINE, OVERHAUL KIT					
2008-2010	F-250/F-550 (Standard Sized Piston & Rings)	--	8C3Z-6R007-A	--	52
2008-2010	F-250/F-550 (.010 Oversized Piston & Rings)	--	8C3Z-6R007-B	--	52
2008-2010	F-250/F-550 (.020 Oversized Piston & Rings)	--	8C3Z-6R007-C	--	52
2008-2010	F-250/F-550 (.030 Oversized Piston & Rings)	--	8C3Z-6R007-D	--	52
CAMSHAFT					
2008-2010	F-250/F-550	--	8C3Z-6250-A ♦	--	54
CONNECTING ROD (W/O BEARINGS)					
2008-2010	F-250/F-550	--	8C3Z-6200-B	--	55
CRANKSHAFT & BEARINGS					
2008-2010	F-250/F-550	--	8C3Z-6303-A	--	57
CYLINDER HEAD KIT					
2008-2010	F-250/F-550	--	8C3Z-6049-BRM	--	60
EGR COOLER					
2008-2010	F-250/F-550 (Horizontal Mtg. # 1)	--	8C3Z-9F464-F	--	62
2008-2010	F-250/F-550 (Vertical Mtg. # 2)	--	8C3Z-9P456-C	--	62
EGR VALVE					
2008-2010	F-250/F-550	--	8C3Z-9D475-D	CX-2366	64
FUEL INJECTOR					
2008-2010	F-250/F-550	--	8C3Z-9E527-DRM	CN-6017-RM	67
FUEL INJECTOR, SEAL KIT (INCL TUBE)					
2008-2010	F-250/F-550	--	8C3Z-9229-A	--	70
HIGH PRESSURE FUEL PUMP					
2008-2010	F-250/F-550	--	8C3Z-9A543-DRM	--	71
OIL COOLER KIT					
2008-2010	F-250/F-550	--	8C3Z-6A642-A	--	75
TURBOCHARGER					
2008-2010	F-250/F-550 (Low Pressure)	--	8C3Z-6K682-AARM	--	76
2008-2010	F-250/F-550 (High Pressure)	--	8C3Z-6K682-BARM	--	76
2008-2010	F-250/F-550 (Dual-Stage)	--	8C3Z-6K682-CRM	--	77
TURBOCHARGER, ACTUATOR					
2008-2010	F-250/F-550	--	8C3Z-9J559-ARM	--	81
WATER PUMP					
2008-2010	F-250/F-550	--	8C3Z-8501-B	PW-482	86

NOTE: ♦ Use Lifters / Lifter Guides # 8C3Z-6C329-B



APPLICATIONS - V8

6.4L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2008-2010	F-250/F-550	--	8C3Z-12K073-A	DU-88	89
SENSOR, CRANKSHAFT POSITION					
2008-2010	F-250/F-550	--	3C3Z-6C315-AA	DY-985	90
SENSOR, ENGINE OIL PRESSURE (EOP)					
2008-2010	F-250/F-550	--	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2008-2010	F-250/F-550	--	3C3Z-10884-AA	SW-6052	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2008-2010	F-250/F-550	--	8C3Z-9J460-A	DPFE-8	92
SENSOR, FUEL RAIL PRESSURE					
2008-2010	F-250/F-550	--	8C3Z-9G756-A	--	93
SENSOR, MANIFOLD AIR TEMPERATURE (MAT)					
2008-2010	F-250/F-550	--	8C3Z-12A697-B	DY-1112	94
SENSOR, WATER TEMPERATURE					
2008-2010	F-250/F-550	--	3C3Z-10884-AA	SW-6052	94
Maintenance Items					
FILTER, AIR					
2008-2010	F-250/F-550	--	7C3Z-9601-B	FA-1886	96
FILTER, BREATHER					
2008-2010	F-250/F-550	--	8C3Z-6A665-A	EC-773	99
FILTER, FUEL					
2008-2010	F-250/F-550	--	8C3Z-9N184-C ●	FD-4617	100
FILTER, OIL					
2008-2010	F-250/F-550	--	3C3Z-6731-AA	FL-2016	102
FILTER CAP, OIL					
2008-2010	F-250/F-550	--	3C3Z-6766-CA	EC-781	101
GLOW PLUG					
2008-2010	F-250/F-550	--	8C3Z-12A342-A	ZD-15	103
GLOW PLUG CONTROL UNIT					
2008-2010	F-250/F-550	--	YC3Z-12B533-AA	DY-876	104
THERMOSTAT (DUAL)					
2008-2010	F-250/F-550	--	8C3Z-8575-D	RT-1212	105
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

NOTE: ● Fuel filter kit contains both frame and engine filters.

APPLICATIONS - V8



6.0L

F-250/F-550

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2006-2007 *	F-250/F-550 w/ Auto Trans (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6007-BARM	--	47
2006-2007 *	F-250/F-550 w/ Manual Trans (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6007-AARM	--	47
2006 *	F-250/F-550 w/ Auto Trans (Early Prod.)	6,560,521 to 6,723,721 or 213,261 to 299,092 **	5C3Z-6007-DARM	--	47
2006 *	F-250/F-550 w/ Manual Trans (Early Prod.)	6,560,521 to 6,723,721 or 213,261 to 299,092 **	5C3Z-6007-CARM	--	47
2005 *	F-250/F-550 w/ Auto Trans (Late Prod.)	6,429,302 to 6,560,520 or 181,448 to 213,260 **	5C3Z-6007-DARM	--	47
2005 *	F-250/F-550 w/ Manual Trans (Late Prod.)	6,429,302 to 6,560,520 or 181,448 to 213,260 **	5C3Z-6007-CARM	--	47
2005 *	F-250/F-550 w/ Manual Trans (Early Prod.)	6,344,943 to 6,429,301 or 131,587 to 181,447 **	5C3Z-6007-AARM	--	47
2005 *	F-250/F-550 w/ Auto Trans (Early Prod.)	6,344,943 to 6,429,301 or 131,587 to 181,447 **	5C3Z-6007-BARM	--	47
2004 *	F-250/F-550 w/ Auto Trans (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6007-BARM	--	47
2004 *	F-250/F-550 w/ Manual Trans (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6007-AARM	--	47
2003-2004 *	F-250/F-550 w/ Auto Trans (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6007-AARM	--	47
2003-2004 *	F-250/F-550 w/ Manual Trans (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6007-BARM	--	47
ENGINE, LONG BLOCK					
2006-2007 *	F-250/F-550 w/ Auto Trans (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6006-BARM	--	47
2006-2007 *	F-250/F-550 w/ Manual Trans (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6006-AARM	--	47
2006 *	F-250/F-550 w/ Auto Trans (Early Prod.)	6,560,521 to 6,723,721 or 213,261 to 299,092 **	5C3Z-6006-BARM	--	47
2006 *	F-250/F-550 w/ Manual Trans (Early Prod.)	6,560,521 to 6,723,721 or 213,261 to 299,092 **	5C3Z-6006-AARM	--	47
2005	F-250/F-550 w/ Auto Trans	6,344,943 to 6,560,520 or 131,587 to 213,260 **	5C3Z-6006-BARM	--	47
2005	F-250/F-550 w/ Manual Trans	6,344,943 to 6,560,520 or 131,587 to 213,260 **	5C3Z-6006-AARM	--	47
2004 *	F-250/F-550 w/ Auto Trans (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6006-BARM	--	47
2004 *	F-250/F-550 w/ Manual Trans (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6006-AARM	--	47
2003-2004 *	F-250/F-550 w/ Auto Trans (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6006-AARM	--	47
2003-2004 *	F-250/F-550 w/ Manual Trans (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6006-BARM	--	47
ENGINE, SHORT BLOCK					
2006-2007 *	F-250/F-550 (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6009-ARM	--	47
2004-2006 *	F-250/F-550 (Late '04 to Early '06 Prod.)	6,155,637 to 6,723,721 or 137,745 to 299,092**	5C3Z-6009-AARM	--	47
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6009-AARM	--	47

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L engines built in Indianapolis, IN have a serial number break of 6,000,000 to 6,723,721 (2003 to early 2006 MY) or 6,723,722 & Up (late 2006 MY).



APPLICATIONS - V8

6.0L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
ENGINE, OVERHAUL KIT					
2004-2007 *	F-250/F-550 (Late '04 Prod.) Standard Sized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-C	--	52
2004-2007 *	F-250/F-550 (Late '04 Prod.) .010 Oversized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-A	--	52
2004-2007 *	F-250/F-550 (Late '04 Prod.) .020 Oversized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-B	--	52
2003-2004 *	F-250/F-550 (Early '04 Prod.) Standard Sized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-C	--	52
2003-2004 *	F-250/F-550 (Early '04 Prod.) .010 Oversized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-A	--	52
2003-2004 *	F-250/F-550 (Early '04 Prod.) .020 Oversized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-B	--	52
CAMSHAFT					
2003-2007	F-250/F-550	--	4C3Z-6250-AA ♦	--	54
CONNECTING ROD					
2003-2007	F-250/F-550	--	6E7Z-6200-A	--	55
CRANKSHAFT & BEARINGS					
2003-2007	F-250/F-550	--	3C3Z-6303-AARM	--	57
CYLINDER HEAD KIT					
2006-2007 *	F-250/F-550 (Late '06 Prod.)	6,723,722 & Up or 299,093 & Up **	6C3Z-6049-DRM	--	60
2003-2006 *	F-250/F-550 (Early '06 Prod.)	6,000,000 to 6,723,721 or 1 to 299,092 **	3C3Z-6049-ARM †	--	60
EGR COOLER					
2004-2007 *	F-250/F-550 (Late '04 Prod.)	6,155,637 & Up	4C3Z-9P456-AJ	--	63
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9P456-B	--	63
EGR VALVE					
2005-2007 *	F-250/F-550	6,344,943 & Up or 131,587 & Up **	5C3Z-9F452-ARM	CX-2466-RM	64
2003-2004 *	F-250/F-550	6,000,000 to 6,344,942 **	4C3Z-9F452-ARM	CX-2467-RM	64
FUEL INJECTION CONTROL MODULE (FICM - PRE-PROGRAMMED)					
2005-2007 *	F-250/F-550	6,344,943 & Up or 131,587 & Up **	4C3Z-12B599-ERM ■	--	66
2004 *	F-250/F-550 (Late '04 Prod.)	6,155,637 to 6,344,942 or 94,581 to 131,586 **	4C3Z-12B599-DRM ■	--	66
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	4C3Z-12B599-CRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - COMPLETE)					
2003-2007	F-250/F-550	--	4C3Z-12B599-ABRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - HALF SHELL)					
2003-2007	F-250/F-550	--	4C3Z-12B599-BARM ■	--	66
FUEL INJECTOR					
2004-2007 *	F-250/F-550 (Late '04 Prod.)	6,155,637 & Up	4C3Z-9E527-BRM	CN-5019-RM	67
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9E527-ECRM	CN-5020-RM	67

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L engines built in Indianapolis, IN have a serial number break of 6,000,000 to 6,723,721 (2003 to early 2006 MY) or 6,723,722 & Up (late 2006 MY).

† To ensure proper cylinder head replacement, refer to cylinder head kit selection chart located on page 138.

♦ Use Lifters / Lifter Guides # 8C3Z-6C329-B

■ See page 139 for information on choosing the FICM version that's best for your situation.

APPLICATIONS - V8



6.0L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTOR, SEAL KIT					
2003-2007	F-250/F-550	--	3C3Z-9229-AA	CM-5055	70
HIGH PRESSURE INJECTION OIL PUMP					
2005-2007	F-250/F-550	6,344,943 & Up	5C3Z-9A543-ARM	--	71
2004 *	F-250/F-550 (Late '04 Prod.)	6,155,637 to 6,344,942 **	4C3Z-9A543-AARM	--	72
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9A543-AARM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2005-2007	F-250/F-550	6,344,943 & Up	5C3Z-9C968-CA	CM-5126	74
2003-2004	F-250/F-550	6,000,000 to 6,344,942	3C3Z-9C968-AA	CM-5054	74
OIL COOLER KIT					
2003-2007	F-250/F-550	--	3C3Z-6A642-CA	--	75
TURBOCHARGER					
2005-2007 *	F-250/F-550 (Late '05 Prod.)	6,344,943 & Up	5C3Z-6K682-CCRM	--	77
2004-2005 *	F-250/F-550 (Late '04 to Early '05 Prod.)	6,155,637 to 6,344,942 **	4C3Z-6K682-CDRM	--	78
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6K682-CCRM	--	78
TURBOCHARGER, ACTUATOR					
2003-2007	F-250/F-550	--	5C3Z-9F089-BA	--	81
TURBOCHARGER, CHRA KIT					
2005-2007	F-250/F-550 (Late '05 Prod.)	6,344,943 to 6,723,721 or 131,587 to 299,092 **	5C3Z-9G489-ACRM	--	81
2004 *	F-250/F-550 (Late '04 Prod.)	6,155,637 to 6,344,942 **	4C3Z-9G489-ACRM	--	81
2003-2004 *	F-250/F-550 (Compressor Housing Clamp Version - Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9G489-ABRM	--	82
2003-2004 *	F-250/F-550 (Compressor Housing Bolt Version - Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9G489-BBRM	--	82
TURBOCHARGER, UNISON RING					
2003-2007	F-250/F-550	6,000,000 & Up	3C3Z-6C885-A	--	82
WATER PUMP					
2004-2007 *	F-250/F-550 (Late '04 Prod.)	6,155,637 & Up	4C3Z-8501-AC	PW-491	87
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-8501-A	PW-480	87

Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2003-2007	F-250/F-550	--	8C3Z-12K073-A	DU-88	89
SENSOR, CRANKSHAFT POSITION					
2003-2007	F-250/F-550	--	3C3Z-6C315-AA	DY-985	90
SENSOR, ENGINE OIL PRESSURE (EOP)					
2003-2007	F-250/F-550	--	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2003-2007	F-250/F-550	--	3C3Z-10884-AA	SW-6052	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2005-2007	F-250/F-550	6,344,943 & Up	5C3Z-9J460-B	DPFE-6	92
2003-2004	F-250/F-550	6,000,000 to 6,344,942	4C3Z-9J460-A	DPFE-3	92

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L engines built in Indianapolis, IN have a serial number break of 6,000,000 to 6,723,721 (2003 to early 2006 MY) or 6,723,722 & Up (late 2006 MY).



APPLICATIONS - V8

6.0L

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors (continued)					
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
2004-2007 *	F-250/F-550 (Late '04 Prod.)	6,155,637 & Up	4C3Z-9F838-A	--	93
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9F838-EA	--	93
SENSOR, MANIFOLD AIR TEMPERATURE (MAT)					
2003-2007	F-250/F-550	--	3C3Z-12A697-AA	DY-984	94
SENSOR, WATER TEMPERATURE					
2003-2007	F-250/F-550	--	3C3Z-10884-AA	SW-6052	94
Maintenance Items					
FILTER, AIR					
2003-2007	F-250/F-550	--	4C3Z-9601-AA	FA-1778	96
FILTER, BREATHER					
2003-2007	F-250/F-550	--	4C3Z-6A665-AC	EC-772	99
FILTER, FUEL					
2003-2007	F-250/F-550	--	3C3Z-9N184-CB ●	FD-4616	100
FILTER, OIL					
2003-2007	F-250/F-550	--	3C3Z-6731-AA	FL-2016	102
FILTER CAP, OIL					
2003-2007	F-250/F-550	--	3C3Z-6766-CA	EC-781	101
GLOW PLUG					
2004-2007 *	F-250/F-550 (Late '04 Prod.)	6,155,637 & Up	4C3Z-12A342-AA	ZD-13	103
2003-2004 *	F-250/F-550 (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-12A342-AA	ZD-12	103
GLOW PLUG CONTROL UNIT					
2003-2007	F-250/F-550	--	YC3Z-12B533-AA	DY-876	104
THERMOSTAT					
2003-2007	F-250/F-550	--	3C3Z-8575-AA	RT-1169	106
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L engines built in Indianapolis, IN have a serial number break of 6,000,000 to 6,723,721 (2003 to early 2006 MY) or 6,723,722 & Up (late 2006 MY).

● Fuel filter kit contains both frame and engine filters.

6.0L

F-650/F-750

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	137,745 & Up	5C4Z-6007-JRM	--	47
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	4C4Z-6007-BRM	--	47
ENGINE, LONG BLOCK					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	137,745 & Up	5C4Z-6006-ERM	--	47
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	4C4Z-6006-DRM	--	47
ENGINE, SHORT BLOCK					
2006-2007 *	F-650/F-750 (Late '06 Prod.)	299,093 & Up	7C4Z-6009-AARM	--	47
2004-2006 *	F-650/F-750 (Late '04 to Early '06 Prod.)	137,745 to 299,092	4C4Z-6009-AARM	--	47
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	3C3Z-6009-AARM	--	47
ENGINE, OVERHAUL KIT					
2004-2007 *	F-650/F-750 (Late '04 Prod.) .010 Oversized Piston & Rings	137,745 & Up	4C4Z-6R007-A	--	52
2004-2007 *	F-650/F-750 (Late '04 Prod.) .020 Oversized Piston & Rings	137,745 & Up	4C4Z-6R007-B	--	52
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	N/A	--	N/A
CAMSHAFT					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	--	4C3Z-6250-AA ♦	--	54
2003-2004 *	F-650/F-750 (Early '04 Prod.)	--	3C3Z-6250-AA ♦	--	54
CONNECTING ROD					
2003-2007	F-650/F-750	--	6E7Z-6200-A	--	55
CRANKSHAFT & BEARINGS					
2003-2007	F-650/F-750	--	3C3Z-6303-AARM	--	57
CYLINDER HEAD KIT					
2006-2007	F-650/F-750 (Late '06 Prod.)	299,093 & Up	6C3Z-6049-DRM	--	60
2003-2006 *	F-650/F-750 (Early '06 Prod.)	1 to 299,092	3C3Z-6049-ARM †	--	60
EGR COOLER					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	137,745 & Up	4C3Z-9P456-AJ	--	63
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	3C3Z-9P456-B	--	63
EGR VALVE					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	137,745 & Up	5C4Z-9F452-AA	CX-2049	64
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	4C3Z-9F452-ARM	CX-2467-RM	64
ELECTRONIC CONTROL MODULE					
2003-2007	F-650/F-750	--	5C4Z-12A650-B	--	65
FUEL INJECTION CONTROL MODULE (FICM - COMPLETE)					
2003-2007	F-650/F-750	--	4C3Z-12B599-ABRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - HALF SHELL)					
2003-2007	F-650/F-750	--	4C3Z-12B599-BARM ■	--	66

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

† To ensure proper cylinder head replacement, refer to cylinder head kit selection chart located on page 138.

♦ Use Lifters / Lifter Guides # 3C3Z-6C329-AA

■ See page 139 for information on choosing the FICM version that's best for your situation.



APPLICATIONS - V8

6.0L

F-650/F-750 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTOR					
2005-2007	F-650/F-750	112,361 & Up	4C3Z-9E527-BRM	CN-5019-RM	67
2003-2004	F-650/F-750	prior to 112,360 **	3C3Z-9E527-ECRM	CN-5020-RM	67
FUEL INJECTOR, SEAL KIT					
2003-2007	F-650/F-750	--	3C3Z-9229-AA	CM-5055	70
HIGH PRESSURE INJECTION OIL PUMP					
2005-2007	F-650/F-750	112,361 & Up	5C4Z-9A543-ERM	--	71
2003-2004	F-650/F-750	prior to 112,360 **	3C3Z-9A543-AARM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2005-2007	F-650/F-750	112,361 & Up	5C3Z-9C968-CA	CM-5126	74
2003-2004	F-650/F-750	prior to 112,360	3C3Z-9C968-AA	CM-5054	74
OIL COOLER KIT					
2003-2007	F-650/F-750	--	3C3Z-6A642-CA	--	75
TURBOCHARGER					
2005-2007	F-650/F-750	112,361 & Up	5C4Z-6K682-BRM	--	77
2003-2004	F-650/F-750	prior to 112,360 **	4C4Z-6K682-ARM	--	77
TURBOCHARGER, ACTUATOR					
2003-2007	F-650/F-750	--	5C3Z-9F089-BA	--	81
TURBOCHARGER, UNISON RING					
2003-2007	F-650/F-750	--	4C4Z-6C885-A	--	82
WATER PUMP					
2003-2007	F-650/F-750	--	5C4Z-8501-AA	PW-450	87
Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2003-2007	F-650/F-750	--	8C3Z-12K073-A	DU-88	89
SENSOR, CRANKSHAFT POSITION					
2003-2007	F-650/F-750	--	3C3Z-6C315-AA	DY-985	90
SENSOR, ENGINE OIL PRESSURE (EOP)					
2003-2007	F-650/F-750	--	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2003-2007	F-650/F-750	--	3C3Z-10884-AA	SW-6052	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2003-2007	F-650/F-750	--	5C3Z-9J460-B	DPFE-6	92
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
2003-2007	F-650/F-750	--	4C3Z-9F838-A	--	93
SENSOR, MANIFOLD AIR TEMPERATURE (MAT)					
2003-2007	F-650/F-750	--	3C3Z-12A697-AA	DY-984	94
SENSOR, WATER TEMPERATURE					
2003-2007	F-650/F-750	--	3C3Z-10884-AA	SW-6052	94

NOTE: ** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L

F-650/F-750 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items					
FILTER, AIR					
2003-2007	F-650/F-750	--	4C4Z-9601-AA	FA-1753	96
FILTER, FUEL					
2003-2007	F-650/F-750	--	F81Z-9N184-AA	FD-4596	100
FILTER, OIL					
2003-2007	F-650/F-750	--	3C3Z-6731-AA	FL-2016	102
FILTER CAP, OIL					
2003-2007	F-650/F-750	--	3C3Z-6766-CA	EC-781	101
GLOW PLUG					
2004-2007 *	F-650/F-750 (Late '04 Prod.)	137,745 & Up	4C3Z-12A342-AA	ZD-13	103
2003-2004 *	F-650/F-750 (Early '04 Prod.)	1 to 137,744	3C3Z-12A342-AA	ZD-12	103
GLOW PLUG RELAY					
2003-2007	F-650/F-750	--	4C4Z-12B533-AA	DY-989	104
THERMOSTAT					
2003-2007	F-650/F-750	--	4C4Z-8575-AA	RT-1173	106
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.



APPLICATIONS - V8

6.0L

Excursion

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2005 *	Excursion (Late Prod.)	6,429,302 to 6,560,520 or 181,448 to 213,260 **	5C3Z-6007-FARM	--	47
2005 *	Excursion (Early Prod.)	6,344,943 to 6,429,301 or 131,587 to 181,447 **	5C3Z-6007-EARM	--	47
2004 *	Excursion (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6007-BARM	--	47
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6007-AARM	--	47
ENGINE, LONG BLOCK					
2005	Excursion	6,344,943 to 6,560,520 or 131,587 to 213,260 **	5C3Z-6006-EARM	--	47
2004 *	Excursion (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6006-BARM	--	47
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6006-AARM	--	47
ENGINE, SHORT BLOCK					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 & Up **	5C3Z-6009-AARM	--	47
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6009-AARM	--	47
ENGINE, OVERHAUL KIT					
2004-2005 *	Excursion (Late '04 Prod.) Standard Sized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-C	--	52
2004-2005 *	Excursion (Late '04 Prod.) .010 Oversized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-A	--	52
2004-2005 *	Excursion (Late '04 Prod.) .020 Oversized Piston & Rings	6,155,637 & Up **	4C3Z-6R007-B	--	52
2003-2004 *	Excursion (Early '04 Prod.) Standard Sized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-C	--	52
2003-2004 *	Excursion (Early '04 Prod.) .010 Oversized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-A	--	52
2003-2004 *	Excursion (Early '04 Prod.) .020 Oversized Piston & Rings	6,000,000 to 6,155,636 **	3C3Z-6R007-B	--	52
CAMSHAFT					
2003-2005	Excursion	--	4C3Z-6250-AA ♦	--	54
CONNECTING ROD					
2003-2005	Excursion	--	6E7Z-6200-A	--	55
CRANKSHAFT & BEARINGS					
2003-2005	Excursion	--	3C3Z-6303-AARM	--	57
CYLINDER HEAD KIT					
2003-2005	Excursion	--	3C3Z-6049-ARM †	--	60
EGR COOLER					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 to 6,560,520	4C3Z-9P456-AJ	--	63
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9P456-B	--	63
EGR VALVE					
2005 *	Excursion	6,344,943 to 6,560,520 or 131,587 to 213,260 **	5C3Z-9F452-ARM	CX-2466-RM	64
2003-2004 *	Excursion	6,000,000 to 6,344,942 **	4C3Z-9F452-ARM	CX-2467-RM	64

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

6.0L engines built in Indianapolis, IN have a serial number break of 6,000,000 to 6,723,721 (2003 to early 2006 MY) or 6,723,722 & Up (late 2006 MY).

† To ensure proper cylinder head replacement, refer to cylinder head kit selection chart located on page 138.

♦ Use Lifters / Lifter Guides # 3C3Z-6C329-AA

6.0L

Excursion (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTION CONTROL MODULE (FICM - PRE-PROGRAMMED)					
2005 *	Excursion (Late '05 Prod.)	6,429,302 & Up or 181,448 & Up **	4C3Z-12B599-ERM ■	--	66
2004-2005 *	Excursion (Late '04/Early '05 Prod.)	6,155,636 to 6,429,301 or 131,587 to 181,447 **	4C3Z-12B599-DRM ■	--	66
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	4C3Z-12B599-CRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - COMPLETE)					
2003-2005	Excursion	--	4C3Z-12B599-ABRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - HALF SHELL)					
2003-2005	Excursion	--	4C3Z-12B599-BARM ■	--	66
FUEL INJECTOR					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 to 6,560,520	4C3Z-9E527-BRM	CN-5019-RM	67
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9E527-ECRM	CN-5020-RM	67
FUEL INJECTOR, SEAL KIT					
2003-2005	Excursion	--	3C3Z-9229-AA	CM-5055	70
HIGH PRESSURE INJECTION OIL PUMP					
2005	Excursion	6,344,943 to 6,560,520	5C3Z-9A543-ARM	--	71
2004 *	Excursion (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-9A543-AARM	--	72
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9A543-AARM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2005	Excursion	6,344,943 to 6,560,520	5C3Z-9C968-CA	CM-5126	74
2003-2004 *	Excursion	6,000,000 to 6,344,942	3C3Z-9C968-AA	CM-5054	74
OIL COOLER KIT					
2003-2005	Excursion	--	3C3Z-6A642-CA	--	75
TURBOCHARGER					
2005	Excursion	6,344,943 to 6,560,520	5C3Z-6K682-CCRM	--	77
2004 *	Excursion (Late Prod.)	6,155,637 to 6,344,942 **	4C3Z-6K682-CDRM	--	78
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-6K682-CCRM	--	78
TURBOCHARGER, ACTUATOR					
2003-2005	Excursion	--	5C3Z-9F089-BA	--	81
TURBOCHARGER, CHRA KIT					
2005	Excursion	6,344,943 to 6,560,520	5C3Z-9G489-ACRM	--	81
2004	Excursion (Late '04 Prod.)	6,155,637 to 6,344,942 **	4C3Z-9G489-ACRM	--	81
2003-2004 *	Excursion (Compressor Housing Clamp Version - Early '04 Prod.)	6,000,000 TO 6,155,636 **	3C3Z-9G489-ABRM	--	82
2003-2004 *	Excursion (Compressor Housing Bolt Version - Early '04 Prod.)	6,000,000 TO 6,155,636 **	3C3Z-9G489-BBRM	--	82
TURBOCHARGER, UNISON RING					
2003-2005	Excursion	6,000,000 & Up	3C3Z-6C885-A	--	82
WATER PUMP					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 to 6,560,520	4C3Z-8501-AC	PW-491	87
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-8501-A	PW-480	87

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

■ See page 139 for information on choosing the FICM version that's best for your situation.



APPLICATIONS - V8

6.0L

Excursion (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2003-2005	Excursion	--	8C3Z-12K073-A	DU-88	89
SENSOR, CRANKSHAFT POSITION					
2003-2005	Excursion	--	3C3Z-6C315-AA	DY-985	90
SENSOR, ENGINE OIL PRESSURE (EOP)					
2003-2005	Excursion	--	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2003-2005	Excursion	--	3C3Z-10884-AA	SW-6052	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2005	Excursion	6,344,943 to 6,560,520	5C3Z-9J460-B	DPFE-6	92
2003-2004	Excursion	6,000,000 to 6,344,942	4C3Z-9J460-A	DPFE-3	92
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 to 6,560,520 **	4C3Z-9F838-A	--	93
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-9F838-EA	--	93
SENSOR, MANIFOLD AIR TEMPERATURE (MAT)					
2003-2005	Excursion	--	3C3Z-12A697-AA	DY-984	94
SENSOR, WATER TEMPERATURE					
2003-2005	Excursion	--	3C3Z-10884-AA	SW-6052	94
Maintenance Items					
FILTER, AIR					
2003-2005	Excursion	--	4C3Z-9601-AA	FA-1778	96
FILTER, BREATHER					
2003-2005	Excursion	--	4C3Z-6A665-AC	EC-772	99
FILTER, FUEL					
2003-2005	Excursion	--	3C3Z-9N184-CB ●	FD-4616	100
FILTER, OIL					
2003-2005	Excursion	--	3C3Z-6731-AA	FL-2016	102
FILTER CAP, OIL					
2003-2005	Excursion	--	3C3Z-6766-CA	EC-781	101
GLOW PLUG					
2004-2005 *	Excursion (Late '04 Prod.)	6,155,637 to 6,560,520	4C3Z-12A342-AA	ZD-13	103
2003-2004 *	Excursion (Early '04 Prod.)	6,000,000 to 6,155,636 **	3C3Z-12A342-AA	ZD-12	103
GLOW PLUG CONTROL UNIT					
2003-2005	Excursion	--	YC3Z-12B533-AA	DY-876	104
THERMOSTAT					
2003-2005	Excursion	--	3C3Z-8575-AA	RT-1169	106
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

** 6.0L engines built in Huntsville, AL have a serial number break of 1 to 299,092 (2003 to early 2006 MY) or 299,093 & Up (late 2006 MY).

● Fuel filter kit contains both frame and engine filters.

6.0L

Excursion (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

6.0L

E Series

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2006-2010 *	E Series (Late '06 Prod.)	299,093 & up	6C2Z-6007-AARM	--	47
2006 *	E Series (Early Prod.)	213,261 to 299,092	5C2Z-6007-BARM	--	47
2005 *	E Series (Late Prod.)	178,948 to 213,260	5C2Z-6007-BARM	--	47
2005 *	E Series (Early Prod.)	149,761 to 178,947	5C2Z-6007-AARM	--	47
2004	E Series	prior to 149,760	4C2Z-6007-AARM	--	47
ENGINE, LONG BLOCK					
2006-2010 *	E Series (Late '06 Prod.)	299,093 & up	6C2Z-6006-AARM	--	47
2005-2006 *	E Series (Early '06 Prod.)	149,761 to 299,092	5C2Z-6006-AARM	--	47
2004	E Series	prior to 149,760	4C2Z-6006-EARM	--	47
ENGINE, SHORT BLOCK					
2006-2010 *	E Series (Late '06 Prod.)	299,093 & Up	6C3Z-6009-ARM	--	47
2004-2006 *	E Series (Early '06 Prod.)	prior to 299,092	5C3Z-6009-AARM	--	47
ENGINE, OVERHAUL KIT					
2004-2010 *	E Series (Standard Sized Piston & Rings)	--	4C3Z-6R007-C	--	52
2004-2010 *	E Series (.010 Oversized Piston & Rings)	--	4C3Z-6R007-A	--	52
2004-2010 *	E Series (.020 Oversized Piston & Rings)	--	4C3Z-6R007-B	--	52
CAMSHAFT					
2004-2010	E Series	--	4C3Z-6250-AA ♦	--	54
CONNECTING ROD					
2004-2010	E Series	--	6E7Z-6200-A	--	55
CRANKSHAFT & BEARINGS					
2004-2010	E Series	--	3C3Z-6303-AARM	--	57
CYLINDER HEAD KIT					
2006-2010	E Series (Late '06 Prod.)	299,093 & Up	6C3Z-6049-DRM	--	60
2004-2006 *	E Series (Early '06 Prod.)	prior to 299,092	3C3Z-6049-ARM †	--	60
EGR COOLER					
2004-2010	E Series	--	4C3Z-9P456-AJ	--	63

NOTE: * Refer to your engine serial number to verify the correct replacement component as there are several build date breaks for 2004 through 2006 model years.

† To ensure proper cylinder head replacement, refer to cylinder head kit selection chart located on page 138.

♦ Use Lifters / Lifter Guides # 3C3Z-6C329-AA



APPLICATIONS - V8

6.0L

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
EGR VALVE					
2005-2010 *	E Series	149,761 & Up	5C3Z-9F452-ARM	CX-2466-RM	64
2004	E Series	prior to 149,760	4C3Z-9F452-ARM	CX-2467-RM	64
FUEL INJECTION CONTROL MODULE (FICM - PRE-PROGRAMMED)					
2004-2010	E Series	--	4C3Z-12B599-ERM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - COMPLETE)					
2004-2010	E Series	--	4C3Z-12B599-ABRM ■	--	66
FUEL INJECTION CONTROL MODULE (FICM - HALF SHELL)					
2004-2010	E Series	--	4C3Z-12B599-BARM ■	--	66
FUEL INJECTOR					
2004-2010	E Series	--	4C3Z-9E527-BRM	CN-5019-RM	67
FUEL INJECTOR, SEAL KIT					
2004-2010	E Series	--	3C3Z-9229-AA	CM-5055	70
HIGH PRESSURE INJECTION OIL PUMP					
2005-2010	E Series	151,889 & Up	5C3Z-9A543-ARM	--	71
2004	E Series	prior to 151,888	4C3Z-9A543-AARM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2005-2010	E Series	151,889 & Up	5C3Z-9C968-CA	CM-5126	74
2004	E Series	prior to 151,888	3C3Z-9C968-AA	CM-5054	74
OIL COOLER KIT					
2004-2010	E Series	--	3C3Z-6A642-CA	--	75
TURBOCHARGER					
2005-2010	E Series	151,889 & Up	5C3Z-6K682-CCRM	--	77
2004	E Series	prior to 151,888	4C3Z-6K682-CDRM	--	78
TURBOCHARGER, ACTUATOR					
2004-2010	E Series	--	5C3Z-9F089-BA	--	81
TURBOCHARGER, CHRA KIT					
2005-2010	E Series	151,889 & Up	5C3Z-9G489-ACRM	--	81
2004	E Series	prior to 151,888	4C3Z-9G489-ACRM	--	81
TURBOCHARGER, UNISON RING					
2004-2010	E Series	--	3C3Z-6C885-A	--	82
WATER PUMP					
2004-2010	E Series	--	4C3Z-8501-AC	PW-491	87

Sensors

SENSOR, CAMSHAFT POSITIONING (CMP)					
2004-2010	E Series	--	8C3Z-12K073-A	DU-88	89
SENSOR, CRANKSHAFT POSITION					
2004-2010	E Series	--	3C3Z-6C315-AA	DY-985	90
SENSOR, ENGINE OIL PRESSURE (EOP)					
2004-2010	E Series	--	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2004-2010	E Series	--	3C3Z-10884-AA	SW-6052	91

NOTE: ■ See page 139 for information on choosing the FICM version that's best for your situation.

6.0L

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors (continued)					
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2005-2010	E Series	149,761 & Up	5C3Z-9J460-B	DPFE-6	92
2004	E Series	prior to 149,760	4C3Z-9J460-A	DPFE-3	92
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
2004-2010	E Series	--	4C3Z-9F838-A	--	93
SENSOR, MANIFOLD AIR TEMPERATURE (MAT)					
2004-2010	E Series	--	3C3Z-12A697-AA	DY-984	94
SENSOR, WATER TEMPERATURE					
2004-2010	E Series	--	3C3Z-10884-AA	SW-6052	94
Maintenance Items					
FILTER, AIR					
2004-2010	E Series	--	6C2Z-9601-A	FA-1804	96
FILTER, BREATHER					
2004-2010	E Series	--	4C3Z-6A665-AC	EC-772	99
FILTER, FUEL					
2004-2010	E Series	--	4C2Z-9N184-BA ●	FD-4606	101
FILTER, OIL					
2004-2010	E Series	--	3C3Z-6731-AA	FL-2016	102
FILTER CAP, OIL					
2004-2010	E Series	--	4C2Z-6766-BA	EC-767	101
GLOW PLUG					
2004-2010	E Series	--	4C3Z-12A342-AA	ZD-13	103
GLOW PLUG CONTROL UNIT					
2004-2010	E Series	--	YC3Z-12B533-AA	DY-876	104
THERMOSTAT					
2004-2010	E Series	--	3C3Z-8575-AA	RT-1169	106
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

NOTE: ● Fuel filter kit contains both frame and engine filters.



APPLICATIONS - V8

7.3L DIT

F-250/F-550

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1999.5-2003	F-250/F-550 (w/ EBP Valve)	896,813 to 2,030,402	XC3Z-6007-CARM	--	48
1999.5 Only	F-250/F-550 (w/o EBP Valve)	896,813 to 1,419,348	XC3Z-6007-BARM	--	48
1998.5-1999.5	F-250/F-550 (w/ EBP Valve)	661,974 to 896,812	5C3Z-6V007-BRM	--	48
1998.5-1999.5	F-250/F-550 (w/o EBP Valve)	661,974 to 896,812	5C3Z-6V007-CRM	--	48
1997-1998.5	F-250/F-350 (49 State)	375,549 to 661,973	F7TZ-6V007-BARM	--	48
1997-1998.5	F-250/F-350 (California)	375,549 to 661,973	F7TZ-6V007-AARM	--	48
1996	F-250/F-350 (49 State)	201,681 to 375,548	F6TZ-6V007-BARM	--	48
1996	F-250/F-350 (California)	201,681 to 375,548	F6TZ-6V007-AARM	--	48
1995	F-250/F-350 (50 State)	35,652 to 201,680	F5TZ-6V007-AARM	--	48
1994	F-250/F-350 (50 State)	501 to 35,651	F4TZ-6V007-FARM	--	48
ENGINE, LONG BLOCK					
1999.5-2003	F-250/F-550 (50 State)	896,813 to 2,030,402	XC3Z-6006-AARM	--	48
1998.5-1999.5	F-250/F-550 (50 State)	661,974 to 896,812	5C3Z-6V006-CRM	--	48
1997-1998.5	F-250/F-350 (49 State)	375,549 to 661,973	F7TZ-6V006-BARM	--	48
1997-1998.5	F-250/F-350 (California)	375,549 to 661,973	F7TZ-6V006-CARM	--	48
1996	F-250/F-350 (49 State)	201,681 to 375,548	F6TZ-6V006-BARM	--	48
1996	F-250/F-350 (California)	201,681 to 375,548	F6TZ-6V006-AARM	--	48
1994-1995	F-250/F-350 (50 State)	501 to 201,680	F4TZ-6V006-BARM	--	48
ENGINE, LONG BLOCK (ENHANCED-STRIPPED)					
1999.5-2003	F-250/F-550	896,813 to 2,030,402	XC3Z-6V012-BARM	--	48
1998.5-1999.5	F-250/F-550	661,974 to 896,812	F81Z-6V012-CARM	--	48
1997-1998.5	F-250/F-550	375,549 to 661,973	F7TZ-6V012-ABRM	--	48
ENGINE, LONG BLOCK (STRIPPED)					
1996	F-250/F-350	201,681 to 375,548	N/A	--	--
1994-1995	F-250/F-350 (50 State)	501 to 201,680	F4TZ-6V012-AARM	--	48
ENGINE, SHORT BLOCK					
1994-2003	F-250/F-550 (50 State)	--	N/A	--	--
ENGINE, OVERHAUL KIT					
1994-2003	F-250/F-550 (Standard Piston & Rings)	501 to 2,030,402	2C3Z-6R007-A	--	53
1994-2003	F-250/F-550 (.010 Oversized Piston & Rings)	501 to 2,030,402	2C3Z-6R007-B	--	53
1994-2003	F-250/F-550 (.020 Oversized Piston & Rings)	501 to 2,030,402	2C3Z-6R007-C	--	53
1994-2003	F-250/F-550 (.030 Oversized Piston & Rings)	501 to 2,030,402	2C3Z-6R007-D	--	53
CONNECTING ROD					
2001-2003	F-250/F-550 (Late Style)	1,425,747 to 2,030,402	1C3Z-6200-AARM	--	55
1994-2000	F-250/F-550 (Early Style)	501 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	56
CRANKSHAFT & BEARINGS					
1998-2003	F-250/F-550	576,010 to 2,030,402	3C3Z-6V303-AARM	CRK-382-RM	57
1994-1998	F-250/F-350	501 to 576,009	F4TZ-6V303-BARM	CRK-10-RM	58

NOTE: EBP = Exhaust Back Pressure

APPLICATIONS - V8



7.3L DIT

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
CYLINDER HEAD KIT					
1995.5-2003	F-250/F-550 (10 Bolt Inlet Cover)	174,667 to 2,030,402	F5TZ-6V049-AARM	CH-3-RM	60
1994-1995.5	F-250/F-350 (8 Bolt Inlet Cover)	501 to 174,666	F4TZ-6V049-BARM	CH-2-RM	61
FUEL INJECTOR					
1999.5-2003	F-250/F-550 (50 State) Cylinder 1-7	896,813 to 2,030,402	5C3Z-9VE527-BRM	CMR-8-RM	68
1999.5-2003	F-250/F-550 (50 State) Cylinder 8 ▲	896,813 to 2,030,402	5C3Z-9VE527-ARM ‡	CMR-7-RM	68
1998-1999.5	F-250/F-550 (50 State) Cylinder 1-7	661,496 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	68
1998-1999.5	F-250/F-550 (50 State) Cylinder 8 ▲	661,496 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	69
1996-1997	F-250/F-350 (California) Cylinder 1-7	661,496 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	68
1996-1997	F-250/F-350 (California) Cylinder 8 ▲	661,496 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	69
1994-1997	F-250/F-350 (49 State) Single Stage	501 to 661,495	F4TZ-9VE527-AARM	FI-2-RM	69
1994-1995	F-250/F-350 (California) Single Stage	501 to 201,679	F4TZ-9VE527-AARM	FI-2-RM	69
FUEL INJECTOR, SEAL KIT					
1994-2003	F-250/F-550	--	XC3Z-9229-AB	CM-5010	70
HIGH PRESSURE INJECTION OIL PUMP					
1999.5-2003	F-250/F-550 (w/o IPR)	896,813 to 2,030,402	F81Z-9A543-CRM	--	72
1998.5-1999.5	F-250/F-550 (w/o IPR)	661,496 to 896,812	5C3Z-9VA543-BRM	HPP-4-RM	72
1996-1998.5	F-250/F-350 (w/o IPR)	187,100 to 661,495	F6TZ-9VA543-ARM	HPP-1-RM	73
1994-1996	F-250/F-350 (w/ IPR)	501 to 187,099	F4TZ-9VA543-AARM	OP-1-RM	73
INJECTION PRESSURE REGULATOR (IPR) VALVE					
1998.5-2003	F-250/F-550	661,496 to 2,030,402	F81Z-9C968-AB	CM-5013	74
1996-1998.5	F-250/F-350	187,100 to 661,495	2C3Z-9C968-BA	CM-5112	74
1994-1996	F-250/F-350	501 to 187,099	F81Z-9C968-AB	CM-5013	74
TURBOCHARGER					
1999.5-2003	F-250/F-550 (w/ EBP Valve)	896,813 to 2,030,402	F81Z-6K682-BARM	--	78
1999.5 Only	F-250/F-550 (w/o EBP Valve)	896,813 to 999,039	F81Z-6K682-CARM	--	79
1998.5-1999.5	F-250/F-550	661,974 to 896,812	5C3Z-6V682-ARM	TC-3-RM	79
1994-1998.5	F-250/F-350	501 to 661,973	F4TZ-6VK682-CARM	TC-2-RM	80
TURBOCHARGER EBP VALVE					
1999.5-2003	F-250/F-550	896,813 to 2,030,402	2C3Z-6N696-AA	--	83
1998.5-1999.5	F-250/F-550	661,974 to 896,812	F81Z-6N696-AA	--	83
TURBOCHARGER EBPV SOLENOID					
1998.5-2003	F-250/F-550 (Base)	661,974 to 2,030,402	F81Z-6C673-BA	--	83
1998.5-2003	F-250/F-550 (Top)	661,974 TO 2,030,402	F81Z-6C673-AA	--	83
1994-1998.5	F-250/F-550	501 TO 661,973	F5TZ-6C673-A	--	83
TURBOCHARGER PEDESTAL					
1999.5-2003	F-250/F-550 (w/ EBP Valve)	896,813 to 2,030,402	F81Z-6N639-CARM	--	84
1999.5 Only	F-250/F-550 (w/o EBP Valve)	896,813 to 999,039	F81Z-6N639-DARM	--	85
1998.5-1999.5	F-250/F-550 (w/o EBP Valve)	661,974 to 896,812	5C3Z-6V639-BRM	PTC-5-RM	85
1998.5-1999.5	F-250/F-550 (w/ EBP Valve)	661,974 to 896,812	5C3Z-6V639-ARM	PTC-3-RM	85
1994-1998.5	F-250/F-350 (w/ EBP Valve)	501 to 661,973	F4TZ-6VN639-AARM	PTC-2-RM	85

NOTE: ‡ Cackle fix injector is only to be used in #8 Cylinder

▲ Refer to TSB 03-21-39

EBP = Exhaust Back Pressure

IPR = Injection Pressure Regulator



APPLICATIONS - V8

7.3L DIT

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
WATER PUMP					
1998.5-2003	F-250/F-550	661,496 to 2,030,402	F81Z-8501-FA	PW-455	87
1996-1998.5	F-250/F-350	201,681 to 661,495	2C3Z-8V501-BA	PWR-3	88
1994-1996	F-250/F-350	501 to 201,680	1U2Z-8V501-CA	PWR-2	88
Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
1997-2003	F-250/F-550	375,549 to 2,030,402	F7TZ-12K073-B	--	89
1994-1996	F-250/F-350	501 to 375,548	F4TZ-12K073-C	DU-87	89
SENSOR, ENGINE OIL PRESSURE (EOP)					
1994-2003	F-250/F-550	501 to 2,030,402	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
1994-2003	F-250/F-550	501 to 2,030,402	F5AZ-12A648-AB	--	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
1994-2003	F-250/F-550	501 to 2,030,402	4C3Z-9J460-A	DPFE-3	92
SENSOR - INJECTION CONTROL PRESSURE (ICP)					
1999-2003	F-250/F-550	661,974 to 2,030,402	F6TZ-9F838-A	--	93
1994-1998.5	F-250/F-350	501 to 661,973	F4TZ-9F838-A	--	93
SENSOR, WATER TEMPERATURE					
1994-2003	F-250/F-550	501 to 2,030,402	4C4Z-10884-AA	SW-6079	94
Maintenance Items					
FILTER, AIR					
1999.5-2003	F-250/F-550 (50 State) (Built after 12/8/99)	--	2U2Z-9601-AA	FA-1750	96
1999	F-250/F-550 (50 State) (Built prior to 12/7/99)	--	F81Z-9601-AB	FA-1675	97
1994-1998	F-250/F-550 (50 State)	--	F5TZ-9601-A	FA-1617	97
KIT, AIR INDUCTION SYSTEM (AIS)					
1999-2003	F-250/F-550 (50 State)	896,813 to 2,030,402	2U2Z-9K635-AA ***	FA-1759	98
AIS REPLACEMENT FILTER					
1999-2003	F-250/F-550 (50 State)	896,813 to 2,030,402	2U2Z-9601-BA	FA-1757	98
FILTER, BREATHER					
1994-2003	F-250/F-550	--	F4TZ-6A665-A	--	99
FILTER, FUEL					
1998.5-2003	F-250/F-550 (50 State)	--	F81Z-9N184-AA	FD-4596	100
1994-1997	F-250/F-550 (50 State)	--	F4TZ-9N184-A	FD-4595	100
FILTER, OIL					
1994-2003	F-250/F-550 (50 State)	--	F4TZ-6731-A	FL-1995	102
GLOW PLUG					
1994-2003	F-250/F-550 (50 State)	--	F4TZ-12A342-BA	ZD-11	103
GLOW PLUG RELAY					
1997-2003	F-250/F-550 (50 State)	--	F81Z-12B533-AC	DY-861	104
1994-1996	F-250/F-550 (50 State)	--	F7TZ-12B533-CA	DY-860	104

NOTE: *** Early 1999 Model year trucks with fender intake systems will need clean air hose (XC3Z-9B659-AA) to complete installation.

7.3L DIT

F-250/F-550 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
HEATER, AIR INTAKE					
1999.5-2003	F-250/F-550 (50 State)	--	F81Z-9N424-BA	--	105
THERMOSTAT					
1996-2003	F-250/F-550 (50 State)	--	F6TZ-8575-EA	RT-1201	106
1994-1995	F-250/F-550 (50 State)	--	F4TZ-8575-CB	RT-1203	106
VALVE, WATER DRAIN					
1998.5-2003	F-250/F-550 (50 State)	--	F81Z-9A153-AA	--	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108



APPLICATIONS - V8

7.3L DIT

F-650/F-750

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2000-2003	F-650/F-750	1,026,248 to end	1C3Z-6007-HARM	--	48
ENGINE, LONG BLOCK					
2000-2003	F-650/F-750	1,026,248 to end	1C3Z-6006-DARM	--	48
ENGINE, SHORT BLOCK					
2000-2003	F-650/F-750	1,026,248 to end	N/A	--	--
CONNECTING ROD					
2000-2003	F-650/F-750	1,026,248 to end	1C3Z-6200-AARM	--	55
CRANKSHAFT & BEARINGS					
2000-2003	F-650/F-750	1,026,248 to end	3C3Z-6V303-AARM	CRK-382-RM	57
CYLINDER HEAD KIT					
2000-2003	F-650/F-750	1,026,248 to end	F5TZ-6V049-AARM	CH-3-RM	60
FUEL INJECTOR					
2000-2003	F-650/F-750	1,026,248 to end	5C3Z-9VE527-BRM	CMR-8-RM	68
FUEL INJECTOR, SEAL KIT					
2000-2003	F-650/F-750	--	XC3Z-9229-AB	CM-5010	70
HIGH PRESSURE INJECTION OIL PUMP					
2000-2003	F-650/F-750	1,026,248 to end	F81Z-9A543-CRM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2000-2003	F-650/F-750	1,026,248 to end	F81Z-9C968-AB	CM-5013	74
TURBOCHARGER					
2000-2003	F-650/F-750	1,026,248 to end	YC3Z-6K682-AARM	--	79
TURBOCHARGER EBPV SOLENOID					
2000-2003	F-650/F-750 (Base)	1,026,248 to end	F81Z-6C673-BA	--	83
2000-2003	F-650/F-750 (Top)	1,026,248 to end	F81Z-6C673-AA	--	83
TURBOCHARGER PEDESTAL					
2000-2003	F-650/F-750	1,026,248 to end	YC3Z-6N639-AARM	--	84
WATER PUMP					
2000-2003	F-650/F-750	1,026,248 to end	YC3Z-8501-CA	PW-456	88

Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2000-2003	F-650/F-750	1,026,248 to end	F7TZ-12K073-B	--	89
SENSOR - ENGINE OIL PRESSURE (EOP)					
2000-2003	F-650/F-750	1,026,248 to end	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2000-2003	F-650/F-750	1,026,248 to end	F5AZ-12A648-AB	--	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2000-2003	F-650/F-750	1,026,248 to end	4C3Z-9J460-A	DPFE-3	92
SENSOR - INJECTION CONTROL PRESSURE (ICP)					
2000-2003	F-650/F-750	1,026,248 to end	F6TZ-9F838-A	--	93
SENSOR, WATER TEMPERATURE					
2000-2003	F-650/F-750	1,026,248 to end	4C4Z-10884-AA	SW-6079	94

7.3L DIT

F-650/F-750 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items					
FILTER, AIR					
2000-2003	F-650/F-750	--	F3HZ-9601-DC	FA-1738	97
FILTER, BREATHER					
2000-2003	F-650/F-750	--	F4TZ-6A665-A	--	99
FILTER, FUEL					
2000-2003	F-650/F-750	--	F81Z-9N184-AA	FD-4596	100
FILTER, OIL					
2000-2003	F-650/F-750	--	F4TZ-6731-A	FL-1995	102
GLOW PLUG					
2000-2003	F-650/F-750	--	F4TZ-12A342-BA	ZD-11	103
GLOW PLUG RELAY					
2000-2003	F-650/F-750	--	F81Z-12B533-AC	DY-861	104
THERMOSTAT					
2000-2003	F-650/F-750	--	YC3Z-8575-AC	RT-1202	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108



APPLICATIONS - V8

7.3L DIT

Excursion

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2000-2003	Excursion	896,813 to 2,030,402	XC3Z-6007-CARM	--	48
ENGINE, LONG BLOCK					
2000-2003	Excursion	896,813 to 2,030,402	XC3Z-6006-AARM	--	48
ENGINE, LONG BLOCK (ENHANCED STRIPPED)					
2000-2003	Excursion	896,813 to 2,030,402	XC3Z-6V012-BARM	--	48
ENGINE, SHORT BLOCK					
2000-2003	Excursion	896,813 to 2,030,402	N/A	--	--
ENGINE, OVERHAUL KIT					
2000-2003	Excursion (Standard Piston & Rings)	896,813 to 2,030,402	2C3Z-6R007-A	--	53
2000-2003	Excursion (.010 Oversized Piston & Rings)	896,813 to 2,030,402	2C3Z-6R007-B	--	53
2000-2003	Excursion (.020 Oversized Piston & Rings)	896,813 to 2,030,402	2C3Z-6R007-C	--	53
2000-2003	Excursion (.030 Oversized Piston & Rings)	896,813 to 2,030,402	2C3Z-6R007-D	--	53
CONNECTING ROD					
2001-2003	Excursion (Late Style)	1,425,747 to 2,030,402	1C3Z-6200-AARM	--	55
2000	Excursion (Early Style)	896,812 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	56
CRANKSHAFT & BEARINGS					
2000-2003	Excursion	896,813 to 2,030,402	3C3Z-6V303-AARM	CRK-382-RM	57
CYLINDER HEAD KIT					
2000-2003	Excursion	896,813 to 2,030,402	F5TZ-6V049-AARM	CH-3-RM	60
FUEL INJECTOR					
2000-2003	Excursion (50 State) Cylinder 1-7	896,813 to 2,030,402	5C3Z-9VE527-BRM	CMR-8-RM	68
2000-2003	Excursion (50 State) Cylinder 8 ▲	896,813 to 2,030,402	5C3Z-9VE527-ARM ‡	CMR-7-RM	68
FUEL INJECTOR, SEAL KIT					
2000-2003	Excursion	--	XC3Z-9229-AB	CM-5010	70
HIGH PRESSURE INJECTION OIL PUMP					
2000-2003	Excursion (w/o IPR)	896,813 to 2,030,402	F81Z-9A543-CRM	--	72
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2000-2003	Excursion	896,813 to 2,030,402	F81Z-9C968-AB	CM-5013	74
TURBOCHARGER					
2000-2003	Excursion (w/ EBP Valve)	896,813 to 2,030,402	F81Z-6K682-BARM	--	78
TURBOCHARGER EBP VALVE					
2000-2003	Excursion	896,813 to 2,030,402	2C3Z-6N696-AA	--	83
TURBOCHARGER EBPV SOLENOID					
2000-2003	Excursion (Base)	896,813 to 2,030,402	F81Z-6C673-BA	--	83
2000-2003	Excursion (Top)	896,813 to 2,030,402	F81Z-6C673-AA	--	83
TURBOCHARGER PEDESTAL					
2000-2003	Excursion (w/ EBP Valve)	896,813 to 2,030,402	F81Z-6N639-CARM	--	84
WATER PUMP					
2000-2003	Excursion	896,813 to 2,030,402	F81Z-8501-FA	PW-455	87

NOTE: ‡ Cackle fix injector is only to be used in #8 Cylinder

▲ Refer to TSB 03-21-39

EBP = Exhaust Back Pressure

IPR = Injection Pressure Regulator

7.3L DIT

Excursion (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors					
SENSOR, CAMSHAFT POSITIONING (CMP)					
2000-2003	Excursion	896,813 to 2,030,402	F7TZ-12K073-B	--	89
SENSOR, ENGINE OIL PRESSURE (EOP)					
2000-2003	Excursion	896,813 to 2,030,402	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
2000-2003	Excursion	896,813 to 2,030,402	F5AZ-12A648-AB	--	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2000-2003	Excursion	896,813 to 2,030,402	4C3Z-9J460-A	DPFE-3	92
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
2000-2003	Excursion	896,813 to 2,030,402	F6TZ-9F838-A	--	93
SENSOR, WATER TEMPERATURE					
2000-2003	Excursion	896,813 to 2,030,402	4C4Z-10884-AA	SW-6079	94
Maintenance Items					
FILTER, AIR					
2000-2003	Excursion	--	2U2Z-9601-AA	FA-1750	96
FILTER, BREATHER					
2000-2003	Excursion	--	F4TZ-6A665-A	--	99
FILTER, FUEL					
2000-2003	Excursion	--	F81Z-9N184-AA	FD-4596	100
FILTER, OIL					
2000-2003	Excursion	--	F4TZ-6731-A	FL-1995	102
GLOW PLUG					
2000-2003	Excursion	--	F4TZ-12A342-BA	ZD-11	103
GLOW PLUG RELAY					
2000-2003	Excursion (California Only)	--	YC3Z-12B533-AA	DY-876	104
HEATER, AIR INTAKE					
2000-2003	Excursion	--	F81Z-9N424-BA	--	105
THERMOSTAT					
2000-2003	Excursion	--	F6TZ-8575-EA	RT-1201	106
VALVE, WATER DRAIN					
2000-2003	Excursion	--	F81Z-9A153-AA	--	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

NOTE: EBP = Exhaust Back Pressure



APPLICATIONS - V8

7.3L DIT

E Series

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1999.5-2003	E Series (50 State)	896,812 to end	XC2Z-6007-AARM	--	48
1998.5-1999.5	E Series (50 State)	661,974 to 896,811	5C3Z-6V007-ARM	--	48
1997-1998.5	E Series (50 State)	375,549 to 661,973	F7UZ-6V007-AARM	--	48
1996	E Series (49 State)	201,681 to 375,548	F6UZ-6V007-BARM	--	48
1996	E Series (California)	201,681 to 375,548	F6UZ-6V007-AARM	--	48
1995	E Series (50 State)	35,651 to 201,680	F5UZ-6V007-AARM	--	48
ENGINE, LONG BLOCK					
1999.5-2003	E Series	896,812 to end	XC2Z-6006-AARM	--	48
1998.5-1999.5	E Series	661,974 to 896,811	5C3Z-6V006-DRM	--	48
1997-1998.5	E Series (50 State)	375,549 to 661,973	F7UZ-6V006-AARM	--	48
1996	E Series (49 State)	201,681 to 375,548	F6UZ-6V006-BARM	--	48
1996	E Series (California)	201,681 to 375,548	F6UZ-6V006-AARM	--	48
1995	E Series	35,651 to 201,680	F5TZ-6V006-AARM	--	48
ENGINE, LONG BLOCK (STRIPPED)					
1995	E Series	35,651 to 201,680	F5UZ-6V012-AARM	--	48
ENGINE, SHORT BLOCK					
1998.5-2003	E Series	--	N/A	--	--
ENGINE, OVERHAUL KIT					
1995-2003	E Series (Standard Piston & Rings)	35,651 to end	2C3Z-6R007-A	--	53
1995-2003	E Series (.010 Oversized Piston & Rings)	35,651 to end	2C3Z-6R007-B	--	53
1995-2003	E Series (.020 Oversized Piston & Rings)	35,651 to end	2C3Z-6R007-C	--	53
1995-2003	E Series (.030 Oversized Piston & Rings)	35,651 to end	2C3Z-6R007-D	--	53
CONNECTING ROD					
2001-2003	E Series (Late Style)	1,425,747 to end	1C3Z-6200-AARM	--	55
1995-2000	E Series (Early Style)	35,651 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	56
CRANKSHAFT & BEARINGS					
1998-2003	E Series	576,010 to end	3C3Z-6V303-AARM	CRK-382-RM	57
1995-1998	E Series	35,651 to 576,009	F4TZ-6V303-BARM	CRK-10-RM	58
CYLINDER HEAD KIT					
1995.5-2003	E Series (10 Bolt Inlet Cover)	174,667 to end	F5TZ-6V049-AARM	CH-3-RM	60
1995-1995.5	E Series (8 Bolt Inlet Cover)	35,651 to 174,666	F4TZ-6V049-BARM	CH-2-RM	61
FUEL INJECTOR					
1999.5-2003	E Series (50 State) Cylinder 1-7	896,813 to end	5C3Z-9VE527-BRM	CMR-8-RM	68
1999.5-2003	E Series (50 State) Cylinder 8 ▲	896,813 to end	5C3Z-9VE527-ARM ‡	CMR-7-RM	68
1997-1999.5	E Series (50 State) Cylinder 1-7	661,974 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	68
1997-1999.5	E Series (50 State) Cylinder 8 ▲	661,974 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	69
1996	E Series (California) Cylinder 1-7	661,974 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	68
1996	E Series (California) Cylinder 8 ▲	661,474 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	69
1995-1996	E Series (49 State) Single Stage	35,651 to 661,973	F4TZ-9VE527-AARM	FI-2-RM	69
1995	E Series (California) Single Stage	35,651 to 201,679	F4TZ-9VE527-AARM	FI-2-RM	69

NOTE: ‡ Cackle fix injector is only to be used in #8 Cylinder

▲ Refer to TSB 03-21-39

7.3L DIT

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTOR, SEAL KIT					
1995-2003	E Series	--	XC3Z-9229-AB	CM-5010	70
HIGH PRESSURE INJECTION OIL PUMP					
1999.5-2003	E Series (w/o IPR)	896,812 to end	F81Z-9A543-CRM	--	72
1998.5-1999.5	E Series (w/o IPR)	201,680 to 896,811	5C3Z-9VA543-BRM	HPP-4-RM	72
1996-1998.5	E Series (w/o IPR)	187,100 to 201,679	F6TZ-9VA543-ARM	HPP-1-RM	73
1995-1996	E Series (w/ IPR)	35,651 to 187,099	F4TZ-9VA543-AARM	OP-1-RM	73
INJECTION PRESSURE REGULATOR (IPR) VALVE					
1998.5-2003	E Series	201,680 to end	F81Z-9C968-AB	CM-5013	74
1996-1998.5	E Series	187,100 to 201,679	2C3Z-9C968-BA	CM-5112	74
1995-1996	E Series	35,651 to 187,099	F81Z-9C968-AB	CM-5013	74
TURBOCHARGER					
1999.5-2003	E Series	896,812 to end	XC2Z-6K682-AARM	--	78
1998.5-1999.5	E Series	661,974 to 896,811	5C3Z-6V682-BRM	TC-4-RM	79
1995-1998.5	E Series	35,651 to 661,973	F4TZ-6VK682-CARM	TC-2-RM	80
TURBOCHARGER EBP VALVE					
1995.5-2003	E Series	896,812 to end	2C2Z-6N696-AA	--	83
TURBOCHARGER EBPV SOLENOID					
1998.5-2003	E Series (Base)	661,974 to end	F81Z-6C673-BA	--	83
1998.5-2003	E Series (Top)	661,974 to end	F81Z-6C673-AA	--	83
1995-1998.5	E Series	35,651 to 661,973	F5TZ-6C673-A	--	83
TURBOCHARGER PEDESTAL					
1999.5-2003	E Series (w/ EBP Valve)	896,812 to end	F81Z-6N639-CARM	--	84
1999.5 only	E Series (w/o EBP Valve)	896,812 to end	F81Z-6N639-DARM	--	85
1998.5-1999.5	E Series (w/ EBP Valve)	661,974 to 896,811	5C3Z-6V639-ARM	PTC-3-RM	85
1995-1998.5	E Series (w/ EBP Valve)	35,651 to 661,973	F4TZ-6VN639-AARM	PTC-2-RM	85
WATER PUMP					
1998.5-2003	E Series	661,974 to end	F81Z-8501-FA	PW-455	87
1996-1998.5	E Series	201,681 to 661,974	2C3Z-8V501-BA	PWR-3	88
1995-1996	E Series	35,651 to 201,680	1U2Z-8V501-CA	PWR-2	88

Sensors

SENSOR, CAMSHAFT POSITIONING (CMP)					
1997-2003	E Series	375,549 to 2,030,402	F7TZ-12K073-B	--	89
1995-1996	E Series	35,651 to 375,548	F4TZ-12K073-C	DU-87	89
SENSOR, ENGINE OIL PRESSURE (EOP)					
1995-2003	E Series	35,651 to 2,030,402	F81Z-9278-AA	SW-5267	91
SENSOR, ENGINE OIL TEMPERATURE (EOT)					
1995-2003	E Series	35,651 to 2,030,402	F5AZ-12A648-AB	--	91
SENSOR, EXHAUST BACK PRESSURE (EBP)					
1995-2003	E Series	35,651 to 2,030,402	4C3Z-9J460-A	DPFE-3	92
SENSOR, INJECTION CONTROL PRESSURE (ICP)					
1995-2003	E Series	35,651 to 2,030,402	F6TZ-9F838-A	--	93
SENSOR, WATER TEMPERATURE					
1995-2003	E Series	35,651 to 2,030,402	4C4Z-10884-AA	SW-6079	94



APPLICATIONS - V8

7.3L DIT

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items					
FILTER, AIR					
1995-2003	E Series (requires 2)	--	F5UZ-9601-A	FA-1618	97
FILTER, BREATHER					
1995-2003	E Series	--	F4TZ-6A665-A	--	99
FILTER, FUEL					
1998.5-2003	E Series	--	F81Z-9N184-AA	FD-4596	100
1995-1997	E Series	--	F4TZ-9N184-A	FD-4595	100
FILTER, OIL					
1995-2003	E Series	--	F4TZ-6731-A	FL-1995	102
GLOW PLUG					
1995-2003	E Series	--	F4TZ-12A342-BA	ZD-11	103
GLOW PLUG RELAY					
1997-2003	E Series	--	F81Z-12B533-AC	DY-861	104
1995-1996	E Series	--	F7TZ-12B533-CA	DY-860	104
THERMOSTAT					
1996-2003	E Series	--	F6TZ-8575-EA	RT-1201	106
1995	E Series	--	F4TZ-8575-CB	RT-1203	106
VALVE, WATER DRAIN					
1998.5-2003	E Series	--	F81Z-9A153-AA	--	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

7.3L IDIT

F-250/F-350

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	N/A	--	--
ENGINE, LONG BLOCK					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	F4TZ-6V006-AARM	--	49
ENGINE, LONG BLOCK (STRIPPED)					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	F3TZ-6V012-AARM	--	49
ENGINE, SHORT BLOCK					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	N/A	--	--
CONNECTING ROD					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	N/A	N/A	--
CRANKSHAFT & BEARINGS					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	F4TZ-6V303-AARM	CRK-378-RM	58
CYLINDER HEAD KIT					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	F4TZ-6V049-AARM	CH-103-RM	61
FUEL INJECTION PUMP					
1993-1994	F-250/F-350 (w/ Turbo & Auto Trans) #5069	1,116,331 to end	N/A	--	--
1993-1994	F-250/F-350 (w/ Turbo & Manual Trans) #5070	1,116,331 to end	N/A	--	--
FUEL INJECTOR					
1993-1994	F-250/F-350 (w/ Turbo) Letter Code "G"	1,116,331 to end	2C3Z-9VE527-ARM	CMR-3-RM	69
FUEL INJECTOR, SEAL KIT					
1993-1994	F-250/F-350	--	E6TZ-9229-AB	CM-5002	70
OIL COOLER					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	XU2Z-6VA642-AARM	OC-1-RM	75
TURBOCHARGER					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	F4TZ-6VK682-BARM	TC-1-RM	80
WATER PUMP					
1993-1994	F-250/F-350 (w/ Turbo)	1,116,331 to end	XU2Z-8501-EA	PW-454	88
Maintenance Items					
FILTER, AIR					
1993-1994	F-250/F-350 (w/ turbo)	--	E7TZ-9601-A	FA-1057	97
FILTER, FUEL					
1993-1994	F-250/F-350 (w/ turbo)	--	F2TZ-9N184-A	FD-3375	101
FILTER, OIL					
1993-1994	F-250/F-350 (w/ turbo)	--	E3TZ-6731-A	FL-784	102
GLOW PLUG					
1993-1994	F-250/F-350 (w/ turbo)	--	F2TZ-12A342-A	ZD-9	103
GLOW PLUG RELAY					
1993-1994	F-250/F-350 (w/ turbo)	--	E7TZ-12B533-A	DY-1128	104
THERMOSTAT					
1993-1994	F-250/F-350 (w/ turbo)	--	E57Z-8575-C	RT-1049	107



APPLICATIONS - V8

7.3L IDIT

F-250/F-350 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

7.3L IDI

F-250/F-350

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-6V007-CARM	--	49
1988-1994	F-250/F-350 w/ High Altitude	500,079 to 1,116,330	XU2Z-6V007-DARM	--	49
ENGINE, LONG BLOCK					
1988-1994	F-250/F-350	500,079 to 1,116,330	N/A	--	--
ENGINE, LONG BLOCK (STRIPPED)					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-6V012-CARM	--	49
ENGINE, SHORT BLOCK					
1988-1994	F-250/F-350	500,079 to 1,116,330	N/A	--	--
ENGINE, OVERHAUL KIT					
1988-1994	F-250/F-350 (Standard Piston & Rings)	500,079 to 1,116,330	N/A	--	--
1988-1994	F-250/F-350 (.030 Oversized Piston & Rings)	500,079 to 1,116,330	N/A	--	--
CONNECTING ROD					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-6V200-BARM	PR-5-RM	56
CRANKSHAFT & BEARINGS					
1988-1994	F-250/F-350	500,079 to 1,116,330	F4TZ-6V303-AARM	CRK-378-RM	58
CYLINDER HEAD KIT					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-6V049-DARM	CH-12-RM	61
FUEL INJECTION PUMP					
1992.5-1994	F-250/F-350 w/Auto Trans (DB2-5013) 185 HP	--	F2TZ-9A543-A	--	73
1992.5-1994	F-250/F-350 w/Manual Trans (DB2-5028) 185 HP	--	N/A	--	--
1990-1992	F-250/F-350	--	N/A	--	--
1988-1989	F-250/F-350 (DB2-4812)	--	N/A	--	--

7.3L IDI

F-250/F-350 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTOR					
1992.5-1994	F-250/F-350 (Letter Code "E")	500,079 to 1,116,330	2C3Z-9VE527-DRM	CMR-4-RM	69
1988-1992	F-250/F-350 (Letter Code "C & D")	500,079 to 1,116,330	2C3Z-9VE527-ERM	CMR-5-RM	69
1988-1992	F-250/F-350 (Letter Code "B & BB")	500,079 to 1,116,330	2C3Z-9VE527-FRM	CMR-6-RM	69
FUEL INJECTOR, SEAL KIT					
1988-1994	F-250/F-350	--	E6TZ-9229-AB	CM-5002	70
OIL COOLER					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-6VA642-AARM	OC-1-RM	75
WATER PUMP					
1988-1994	F-250/F-350	500,079 to 1,116,330	XU2Z-8501-EA	PW-454	88
Maintenance Items					
FILTER, AIR					
1988-1994	F-250/F-350	--	E7TZ-9601-A	FA-1057	97
FILTER, FUEL					
1988-1994	F-250/F-350	--	F2TZ-9N184-A	FD-3375	101
FILTER, OIL					
1988-1994	F-250/F-350	--	E3TZ-6731-A	FL-784	102
GLOW PLUG					
1988-1994	F-250/F-350	--	F2TZ-12A342-A	ZD-9	103
GLOW PLUG RELAY					
1988-1994	F-250/F-350	--	E7TZ-12B533-A	DY-1128	104
THERMOSTAT					
1988-1994	F-250/F-350	--	E5TZ-8575-C	RT-1049	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108



APPLICATIONS - V8

7.3L IDI

E Series

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1988-1994	E Series	500,079 to 1,116,330	XU2Z-6V007-EARM	--	50
ENGINE, LONG BLOCK					
1988-1994	E Series	500,079 to 1,116,330	N/A	--	--
ENGINE, LONG BLOCK (STRIPPED)					
1988-1994	E Series	500,079 to 1,116,330	XU2Z-6V012-DARM	--	50
ENGINE, SHORT BLOCK					
1988-1994	E Series	500,079 to 1,116,330	N/A	--	--
ENGINE, OVERHAUL KIT					
1988-1994	E Series (Standard Piston & Rings)	500,079 to 1,116,330	N/A	--	--
1988-1994	E Series (.030 Oversized Piston & Rings)	500,079 to 1,116,330	N/A	--	--
CONNECTING ROD					
1988-1994	E Series	500,079 to 1,116,330	XU2Z-6V200-BARM	PR-5-RM	56
CRANKSHAFT & BEARINGS					
1988-1994	E Series	500,079 to 1,116,330	F4TZ-6V303-AARM	CRK-378-RM	58
CYLINDER HEAD KIT					
1988-1994	E Series	500,079 to 1,116,330	XU2Z-6V049-DARM	CH-12-RM	61
FUEL INJECTION PUMP					
1992.5-1994	E Series (DB2-5028) 185 HP	--	N/A	--	--
1992.5-1994	E Series w/Auto Trans (DB2-5013) 185 hp	--	F2TZ-9A543-A	--	73
1990-1992	E Series	--	N/A	--	--
1988-1989	E Series (DB2-4812)	--	N/A	--	--
FUEL INJECTOR					
1992.5-1994	E Series (Letter Code "E")	500,079 to 1,116,330	2C3Z-9VE527-DRM	CMR-4-RM	69
1988-1992	E Series (Letter Code "C & D")	500,079 to 1,116,330	2C3Z-9VE527-ERM	CMR-5-RM	69
1988-1992	E Series (Letter Code "B & BB")	500,079 to 1,116,330	2C3Z-9VE527-FRM	CMR-6-RM	69
FUEL INJECTOR, SEAL KIT					
1988-1994	E Series	--	E6TZ-9229-AB	CM-5002	70
OIL COOLER					
1988-1994	E-350	500,079 to 1,116,330	XU2Z-6VA642-AARM	OC-1-RM	75
WATER PUMP					
1988-1994	E-350	500,079 to 1,116,330	XU2Z-8501-EA	PW-454	88
Maintenance Items					
FILTER, AIR					
1992-1994	E Series	--	F1UZ-9601-A	FA-1079	97
1988-1991	E Series	--	E7TZ-9601-A	FA-1057	97
FILTER, FUEL					
1988-1994	E Series	--	F2TZ-9N184-A	FD-3375	101
FILTER, OIL					
1988-1994	E Series	--	E3TZ-6731-A	FL-784	102
GLOW PLUG					
1988-1994	E Series	--	F2TZ-12A342-A	ZD-9	103
GLOW PLUG RELAY					
1988-1994	E Series	--	E7TZ-12B533-A	DY-1128	104

7.3L IDI

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
THERMOSTAT					
1988-1994	E Series	--	E5TZ-8575-C	RT-1049	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

6.9L IDI

F-250/F-350

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1983-1987	F-250/F-350	To 500,078	XU2Z-6V007-AARM	--	50
ENGINE, LONG BLOCK					
1983-1987	F-250/F-350	To 500,078	N/A	--	--
ENGINE, LONG BLOCK (STRIPPED)					
1983-1987	F-250/F-350	To 500,078	XU2Z-6V012-AARM	--	50
ENGINE, SHORT BLOCK					
1983-1987	F-250/F-350	To 500,078	N/A	--	--
ENGINE, OVERHAUL KIT					
1983-1987	F-250/F-350 (Standard Piston & Rings)	To 500,078	N/A	--	--
1983-1987	F-250/F-350 (.030 Oversized Piston & Rings)	To 500,078	N/A	--	--
CONNECTING ROD					
1983-1987	F-250/F-350	To 500,078	XU2Z-6V200-BARM	PR-5-RM	56
CRANKSHAFT & BEARINGS					
1983-1987	F-250/F-350	To 500,078	F4TZ-6V303-AARM	CRK-378-RM	58
CYLINDER HEAD KIT					
1984-1987	F-250/F-350	To 500,078	XU2Z-6V049-CARM	CH-11-RM	61
1983	F-250/F-350	--	XU2Z-6V049-AARM	CH-4-RM	61
FUEL INJECTION PUMP					
1986-1987	F-250/F-350 (DB2-4746)	--	N/A	--	--
1983-1985	F-250/F-350	--	N/A	--	--
FUEL INJECTOR					
1984-1987	F-250/F-350 (Letter Code "B & BB")	To 500,078	2C3Z-9VE527-FRM	CMR-6-RM	69
1983	F-250/F-350 (Letter Code "A & AA")	--	N/A	--	--



APPLICATIONS - V8

6.9L IDI

F-250/F-350 (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTOR, SEAL KIT					
1983-1987	F-250/F-350	--	E6TZ-9229-AB	CM-5002	70
OIL COOLER					
1983-1987	F-250/F-350	To 500,078	XU2Z-6VA642-AARM	OC-1-RM	75
WATER PUMP					
1983-1987	F-250/F-350	To 500,078	XU2Z-8501-EA	PW-454	88
Maintenance Items					
FILTER, AIR					
1983-1987	F-250/F-350	--	E7TZ-9601-A	FA-1057	97
FILTER, FUEL					
1983-1987	F-250/F-350	--	E3TZ-9155-A	FD-811	101
FILTER, OIL					
1983-1987	F-250/F-350	--	E3TZ-6731-A	FL-784	102
GLOW PLUG					
1986-1987	F-250/F-350 (Bullet Terminal)	--	F2TZ-12A342-A	ZD-9	103
1983-1986	F-250/F-350 (Spade Terminal)	--	E5TZ-12A342-B	ZD-1A	103
GLOW PLUG RELAY					
1983-1987	F-250/F-350	--	E7TZ-12B533-A	DY-1128	104
THERMOSTAT					
1983-1987	F-250/F-350	--	E5TZ-8575-C	RT-1049	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

6.9L IDI

E Series

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
1983-1987	E Series	To 500,078	XU2Z-6V007-BARM	--	50
ENGINE, LONG BLOCK					
1983-1987	E Series	To 500,078	N/A	--	--
ENGINE, LONG BLOCK (STRIPPED)					
1984-1987	E Series	To 500,078	XU2Z-6V012-BARM	--	50
1983	E Series	--	N/A	--	--
ENGINE, SHORT BLOCK					
1983-1987	E Series	To 500,078	N/A	--	--
ENGINE, OVERHAUL KIT					
1983-1987	E Series (Standard Piston & Rings)	To 500,078	N/A	--	--
1983-1987	E Series (.030 Oversized Piston & Rings)	To 500,078	N/A	--	--
CONNECTING ROD					
1983-1987	E Series	To 500,078	XU2Z-6V200-BARM	PR-5-RM	56
CRANKSHAFT & BEARINGS					
1983-1987	E Series	To 500,078	F4TZ-6V303-AARM	CRK-378-RM	58
CYLINDER HEAD KIT					
1984-1987	E Series	To 500,078	XU2Z-6V049-CARM	CH-11-RM	61
1983	E Series	--	XU2Z-6V049-AARM	CH-4-RM	61
FUEL INJECTION PUMP					
1986-1987	E Series (DB2-4746)	--	N/A	--	--
1983-1985	E Series	--	N/A	--	--
FUEL INJECTOR					
1984-1987	E Series (Letter Code "B & BB")	To 500,078	2C3Z-9VE527-FRM	CMR-6-RM	69
1983	E Series (Letter Code "A & AA")	--	N/A	--	--
FUEL INJECTOR, SEAL KIT					
1983-1987	E Series	--	E6TZ-9229-AB	CM-5002	70
OIL COOLER					
1983-1987	E Series	To 500,078	XU2Z-6VA642-AARM	OC-1-RM	75
WATER PUMP					
1983-1987	E Series	To 500,078	XU2Z-8501-EA	PW-454	88
Maintenance Items					
FILTER, AIR					
1983-1987	E Series	--	E7TZ-9601-A	FA-1057	97
FILTER, FUEL					
1983-1987	E Series	--	E3TZ-9155-A	FD-811	101
FILTER, OIL					
1983-1987	E Series	--	E3TZ-6731-A	FL-784	102
GLOW PLUG					
1986-1987	E Series (Bullet Terminal)	--	F2TZ-12A342-A	ZD-9	103
1983-1986	E Series (Spade Terminal)	--	E5TZ-12A342-B	ZD-1A	103
GLOW PLUG RELAY					
1983-1987	E Series	--	E7TZ-12B533-A	DY-1128	104



APPLICATIONS - V8 & V6

6.9L IDI

E Series (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
THERMOSTAT					
1983-1987	E Series	--	E5TZ-8575-C	RT-1049	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

4.5L

LCF

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE					
2008-2009	LCF (Late '08 Prod.)	4.6HU2Y##### Ω	8E7Z-6007-ARM	--	N/A
2006-2008	LCF (Early '08 Prod.)	4.5HU2Y##### Ω	6E7Z-6007-FRM	--	N/A
ENGINE, LONG BLOCK					
2006-2009	LCF	--	N/A	--	--
ENGINE, SHORT BLOCK					
2006-2009	LCF	--	N/A	--	--
CONNECTING ROD					
2006-2009	LCF	--	6E7Z-6200-A	--	55
CRANKSHAFT & BEARINGS					
2006-2009	LCF	--	6E7Z-6303-BA	--	58
CYLINDER HEAD KIT					
2006-2009	LCF (Late '06 Prod.)	299,093 & Up	7E7Z-6049-C	--	62
2006	LCF (Early Prod.)	Up to 299,092	6E7Z-6049-J	--	62
EGR COOLER					
2006-2009	LCF (Late '06 Prod.)	299,093 & Up	8E7Z-9P456-A	--	63
2006	LCF (Early Prod.)	Up to 299,092	6E7Z-9P456-A	--	63
EGR VALVE					
2008-2009	LCF	--	7E7Z-9D475-A	--	65
2006-2007	LCF	--	6E7Z-9D475-AA	CX-2045	65
ELECTRONIC CONTROL MODULE					
2008-2009	LCF	--	8E7Z-12A650-C	--	65
2006-2007	LCF	--	5C4Z-12A650-B	--	65
FUEL INJECTOR					
2006-2009	LCF	--	4C3Z-9E527-BRM	CN-5019-RM	67
FUEL INJECTOR, SEAL KIT					
2006-2009	LCF	--	3C3Z-9229-AA	CM-5055	70

NOTE: Ω Engine Serial Number for the 4.5L engine is located on the left rear corner of the crankcase, similar to retrieval of 6.0L / 6.4L Engine Serial Numbers.

4.5L

LCF (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components (continued)					
FUEL INJECTION CONTROL MODULE (FICM - COMPLETE)					
2006-2007	LCF	--	4C3Z-12B599-ABRM	--	66
HIGH PRESSURE INJECTION OIL PUMP					
2008-2009	LCF	--	8E7Z-9A543-CRM	--	73
2006-2007	LCF	--	6E7Z-9A543-BRM	--	73
INJECTION PRESSURE REGULATOR (IPR) VALVE					
2006-2009	LCF	--	5C3Z-9C968-CA	CM-5126	74
TURBOCHARGER					
2008-2009	LCF	--	8E7Z-6K682-A	--	80
2006-2007	LCF	--	6E7Z-6K682-A	--	80
TURBOCHARGER SOLENOID					
2006-2009	LCF	--	F81Z-6C673-AA	--	83
WATER PUMP					
2006-2009	LCF	--	4C3Z-8501-AC	PW-491	87
Sensors					
SENSOR, EXHAUST BACK PRESSURE (EBP)					
2006-2009	LCF	--	7E7Z-9J460-AA	DPFE-7	93
Maintenance Items					
FILTER, AIR					
2006-2009	LCF	--	6E7Z-9601-AA	FA-1779	98
FILTER, FUEL					
2006-2009	LCF	--	3C3Z-9N184-CB ●	FD-4616	100
FILTER, OIL					
2006-2009	LCF	--	6E7Z-6731-D	FL-2029	102
FILTER CAP, OIL					
2006-2009	LCF	--	3C3Z-6766-CA	EC-781	101
GLOW PLUG					
2006-2009	LCF	--	4C3Z-12A342-AA	ZD-13	103
GLOW PLUG RELAY					
2006-2009	LCF	--	4C4Z-12B533-AA	DY-989	104
HEATER, AIR INTAKE					
2006-2009	LCF	--	6E7Z-12A342-AA	ZD-14	105
THERMOSTAT					
2006-2009	LCF	--	6E7Z-8575-A	RT-1183	107
ANTI-GEL & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-23-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-23-BSU	108
All	20 fl. oz. (US)	--	--	PM-23-A	108
All	20 fl. oz. (Canada)	--	--	PM-23-B	108
All	1 gal. (US & Canada)	--	--	PM-23-GAL	108

NOTE: ● Fuel filter kit contains both frame and engine filters.



APPLICATIONS - V6 & I5

4.5L

LCF (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Maintenance Items (continued)					
CETANE BOOSTER & PERFORMANCE IMPROVER					
All	6 fl. oz. (US)	--	--	PM-22-ASU	108
All	6 fl. oz. (Canada)	--	--	PM-22-BSU	108
All	20 fl. oz. (US)	--	--	PM-22-A	108
All	20 fl. oz. (Canada)	--	--	PM-22-B	108
All	1 gal. (US & Canada)	--	--	PM-22-GAL	108

3.2L

Transit

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Diesel Engines & Components					
ENGINE, COMPLETE (NEW)					
2015	Transit		CK4Z-6007-A	--	--
ENGINE, LONG BLOCK (NEW)					
2015	Transit		CK4Z-6006-A	--	--
ENGINE, SHORT BLOCK (NEW)					
2015	Transit		CK4Z-6009-A	--	--
CAMSHAFT					
2015	Transit (Exhaust)		BK3Z-6250-A	--	54
2015	Transit (Intake)		BK3Z-6250-B	--	54
CONNECTING ROD (W/O BEARINGS)					
2015	Transit (Grade H)		BB3Z-6200-A	--	56
2015	Transit (Grade J)		BB3Z-6200-B	--	56
2015	Transit (Grade I)		BB3Z-6200-C	--	56
CRANKSHAFT					
2015	Transit		BK3Z-6303-A	--	58
CYLINDER HEAD					
2015	Transit		BK3Z-6049-A	--	62
EGR COOLER					
2015	Transit		CK4Z-9U433-A	--	63
EGR VALVE					
2015	Transit		BK2Z-9D475-A	--	65
FUEL INJECTOR					
2015	Transit		CK4Z-9E527-A	CN-6018	69
FUEL INJECTOR PUMP					
2015	Transit		BK3Z-9A543-A	--	73
OIL COOLER					
2015	Transit		BK3Z-6881-A	--	75
TURBOCHARGER					
2015	Transit		BK3Z-6K682-A	--	80
WATER PUMP					
2015	Transit		BK3Z-8501-B	PW-560	88

3.2L

Transit (continued)

Model Year	Application	Engine S/N Breaks	Ford Service #	MC Part #	Photo
Sensors					
SENSOR, AIR CHARGE TEMPERATURE					
2015	Transit		9C1Z-12A697-C	--	94
SENSOR, CAMSHAFT POSITION					
2015	Transit		6C1Z-6B288-A	--	89
SENSOR, CRANKSHAFT POSITION					
2015	Transit		BK2Z-6C315-A	DY-1279	90
SENSOR, ENGINE COOLANT TEMPERATURE					
2015	Transit		7M5Z-12A648-B	DY-1194	90
SENSOR, ENGINE OIL PRESSURE					
2015	Transit		3S7Z-9278-A	--	91
Maintenance Items					
DIESEL EMISSION FLUID (DEF)					
2015	1 Gallon		--	PM-27-G	95
2015	2.5 Gallons		--	PM-27-J	95
2015	55 Gallon Drum		--	PM-27-D	95
2015	275 Gallon Tote		--	PM-27-T	95
FILTER, AIR					
2015	Transit		CK4Z-9601-A	FA-1916	98
2015	Transit (Pre-filter / Snow)		CK4Z-9601-C	FA-1921	98
FILTER, FUEL					
2015	Transit		CK4Z-9155-B	FG-1140	101
FILTER, OIL					
2015	Transit		AA5Z-6714-A	FL-500S	102
GLOW PLUG					
2015	Transit		CK4Z-12A342-A	ZD-19	103
GLOW PLUG RELAY ASSEMBLY					
2015	Transit		CK4Z-12B533-A	DY-1276	104
ANTI-GEL & PERFORMANCE IMPROVER					
ALL	6 fl. oz. (US)			PM-23-ASU	108
ALL	6 fl. oz. (Canada)			PM-23-BSU	108
ALL	20 fl. oz. (US)			PM-23-A	108
ALL	20 fl. oz. (Canada)			PM-23-B	108
CETANE BOOSTER & PERFORMANCE IMPROVER					
ALL	6 fl. oz. (US)			PM-22-ASU	108
ALL	6 fl. oz. (Canada)			PM-22-BSU	108
ALL	20 fl. oz. (US)			PM-22-A	108
ALL	20 fl. oz. (Canada)			PM-22-B	108



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ILLUSTRATIONS - 6.7L



6.7L : Engines

6.7L : Bill of Materials

Illustration Not Available

F-250/F-550

6009 Short Block *Model Years 2011-2015*

FORD SERVICE:

BC3Z-6009-A * (NEW)

Illustration Not Available

F-250/F-550

6006 Long Block *Model Years 2011-2015*

FORD SERVICE:

FC3Z-6006-A * (NEW)

Illustration Not Available

F-250/F-550

6007 Complete *Model Years 2011-2015*

FORD SERVICE:

DC3Z-6007-ARM (REMAN)

DC3Z-6007-BRM (REMAN)

FC3Z-6007-A (NEW)

FC3Z-6007-B (NEW)

DC3Z-6007-E (NEW)

DC3Z-6007-BA (NEW)

Trim Level	Bill of Materials	6009	6006	6007
Enhanced Short Block (6009)	Camshaft	■	■	■
	Camshaft Gear	■	■	■
	Connecting Rods	■	■	■
	Crankshaft	■	■	■
	Cylinder Block	■	■	■
	Front Cover	■	■	■
	Front Seal	■	■	■
	Oil Pump Assembly	■	■	■
	Piston Cooling Valves	■	■	■
	Piston / Rings	■	■	■
	Rear Cover	■	■	■
	Rear Seal	■	■	■
Water Pump	■	■	■	
Long Block (Stripped) (6006)	Cylinder Head Assemblies		■	■
	Cylinder Head Gaskets		■	■
	Engine Cooling Crossover Asy		■	■
	Fuel Filter (Secondary)		■	■
	Glow Plugs		■	■
	Lifters		■	■
	Oil Cooler		■	■
	Oil Filter and Base		■	■
	Oil Pan and Pick Up Tube		■	■
	Push Rods		■	■
	Thermostat		■	■
Valve Covers		■	■	
Complete (6007)	EGR Cooler			■
	EGR Valve and Bypass			■
	Exhaust Manifolds			■
	Fuel Injectors			■
	Fuel Pump			■
	Fuel Pump Gear			■
	Fuel Pump to Fuel Rail Tubes			■
	Fuel Rail to Injector Tubes			■
	Fuel Rails			■
	Fuel Return Tube			■
	Fuel Supply Tube			■
	Heater Tube			■
	Intake Manifold - Lower			■
	Intake Manifold - Upper			■
Turbo Oil Drain Tube			■	
Turbocharger			■	

NOTE: * Required Engine Installation Kit sold separately. 2011-2014 order BC3Z-6079-B; 2015 order FC3Z-6079-A



ILLUSTRATIONS - 6.4L

6.4L : Engines



F-250/F-550

6009 Short Block (Enhanced) *Model Years 2008-2010*

FORD SERVICE:

8C3Z-6009-AARM

8C3Z-6009-BARM



F-250/F-550

6012 Long Block (Stripped) *Model Years 2008-2010*

FORD SERVICE:

8C3Z-6012-ARM

8C3Z-6012-BRM



F-250/F-550

6007 Complete *Model Years 2008-2010*

FORD SERVICE:

8C3Z-6007-AARM

8C3Z-6007-BARM

6.4L : Bill of Materials

Trim Level	Bill of Materials	6009	6012	6007
Enhanced Short Block (6009)	Camshaft	■	■	■
	Connecting Rods	■	■	■
	Cylinder Block	■	■	■
	Crankshaft	■	■	■
	Front Cover	■	■	■
	Front Seal	■	■	■
	Lifters	■	■	■
	Oil Cooler	■	■	■
	Oil Filter and Base	■	■	■
	Oil Pan and Pick-up Tube	■	■	■
	Oil Pump Assembly	■	■	■
	Pistons / Rings	■	■	■
	Rear Cover	■	■	■
	Rear Seal	■	■	■
	Sensor - Camshaft Positioning (CMP)	■	■	■
	Sensor - Crankshaft Position	■	■	■
	Thermostats (Dual)	■	■	■
	Cylinder Head Gaskets	Kit	■	■
	Fuel Pump to Fuel Rail Tubes	Kit	Kit	■
	Fuel Filters	Kit	Kit	■
Injector to Fuel Rail Tubes	Kit	Kit	■	
Long Block (Stripped) (6012)	Cylinder Heads		■	■
	Exhaust Manifold		■	■
	Glow Plugs		■	■
	Intake Manifold		■	■
	Lifting Eyes		■	■
	Push Rods		■	■
	Sensor - Intake Air Temperature (IAT2)		■	■
	Turbo Oil Drain Tube		■	■
	Turbo Supports		■	■
Valve Covers		■	■	
Complete (6007)	Block Heater			■
	Breather			■
	Exhaust Crossover Pipes with Converter			■
	EGR Cooler # 1 (Horizontal)			■
	Exhaust Tubes			■
	Fuel Cooler			■
	Fuel Cooler Tube			■
	Fuel Injectors			■
	Fuel Pump			■
	Fuel Pump Gear			■
	Fuel Rails			■
	Fuel Return Tube			■
	Fuel Supply Tube			■
	Heater Tube			■
	Oil Fill Cap			■
	Sensor - EGR Cooler Outlet Temperature (EGRT - In)			■
	Sensor - Exhaust Back Pressure (EBP)			■
	Turbocharger (Dual Stage)			■
	UVC Harnesses			■
Vibration Damper			■	
Water Pump			■	

NOTE: Kit indicates the component is supplied in the install kit provided with the 6009 Enhanced Short Block or the 6012 Long Block Stripped.

ILLUSTRATIONS - 6.0L



6.0L : Engines



F-250/F-750, E Series and Excursion

6009 Short Block *Model Years 2003-2007*

FORD SERVICE:

- | | |
|----------------|----------------|
| 3C3Z-6009-AARM | 6C3Z-6009-ARM |
| 4C4Z-6009-AARM | 7C4Z-6009-AARM |
| 5C3Z-6009-AARM | |



F-250/F-550, E Series and Excursion



F-650/F-750

6006 Long Block *Model Years 2003-2007*

FORD SERVICE:

- | | | |
|----------------|----------------|----------------|
| 3C3Z-6006-AARM | 4C4Z-6006-DRM | 5C4Z-6006-ERM |
| 3C3Z-6006-BARM | 5C2Z-6006-AARM | 6C2Z-6006-AARM |
| 4C2Z-6006-EARM | 5C3Z-6006-AARM | 6C3Z-6006-AARM |
| 4C3Z-6006-AARM | 5C3Z-6006-BARM | 6C3Z-6006-BARM |
| 4C3Z-6006-BARM | 5C3Z-6006-EARM | |



F-250/F-550, E Series and Excursion



F-650/F-750

6007 Complete *Model Years 2003-2007*

FORD SERVICE:

- | | | |
|----------------|----------------|----------------|
| 3C3Z-6007-AARM | 5C2Z-6007-AARM | 5C3Z-6007-EARM |
| 3C3Z-6007-BARM | 5C2Z-6007-BARM | 5C3Z-6007-FARM |
| 4C2Z-6007-AARM | 5C3Z-6007-AARM | 5C4Z-6007-JRM |
| 4C3Z-6007-AARM | 5C3Z-6007-BARM | 6C2Z-6007-AARM |
| 4C3Z-6007-BARM | 5C3Z-6007-CARM | 6C3Z-6007-AARM |
| 4C4Z-6007-BRM | 5C3Z-6007-DARM | 6C3Z-6007-BARM |

NOTE: * Not included on F-650/F-750.

6.0L : Bill of Materials

Trim Level	Bill of Materials	6009	6006	6007
Short Block (6009)	Camshaft	■	■	■
	Camshaft Bearings	■	■	■
	Connecting Rods	■	■	■
	Crankshaft	■	■	■
	Cylinder Block	■	■	■
	Lifters	■	■	■
	Main/Rod Bearings	■	■	■
	Piston Cooling Tubes	■	■	■
	Pistons/Rings	■	■	■
	Timing Components	■	■	■
Long Block (6006)	Cylinder Head Assembly		■	■
	Engine Heater		■	■
	Front Cover		■	■
	Front Seal		■	■
	Fuel Injectors (Electronic)		■	■
	Glow Plugs		■	■
	High Pressure Oil Pump and Regulator		■	■
	Injection Pressure Regulator Valve		■	■
	Oil Cooler Assembly		■	■
	Oil Pan and Pick-up Tube		■	■
	Oil Pump Assembly		■	■
	Push Rods		■	■
	Rear Cover		■	■
	Rear Seal		■	■
	Rocker Arm Carrier		■	■
	Sensor - Camshaft Positioning (CMP)		■	■
	Sensor - Crankshaft Position		■	■
	Sensor - Engine Oil Pressure (EOP)		■	■
	Sensor - Engine Oil Temperature (EOT)		■	■
	Sensor - Injection Control Pressure (ICP)		■	■
Sensor - Water Temperature		■	■	
Valves		■	■	
Vibration Damper		■	■	
Water Pump Assembly		■	■	
Complete (6007)	CDR Valve/Breather			■
	EGR Cooler			■
	EGR Valve			■
	EVRT Control Valve			■
	Exhaust Manifolds			■
	Fuel Filter Assembly			■
	Fuel Filter Bracket			■
	Fuel Lift Pump *			■
	Fuel Lines			■
	Intake Manifold			■
	Oil Filter and base			■
	Sensor - Exhaust Back Pressure (EBP)			■
	Sensor - Manifold Air Temperature (MAT)			■
	Turbo Air Inlet			■
	Turbo Piping			■
	Turbocharger Assembly with Base			■
Water Outlet and Thermostat			■	



ILLUSTRATIONS - 7.3L DIT

7.3L DIT : Engines

7.3L DIT : Bill of Materials



F-250/F-350
and E Series



F-250/F-350

6012 Long Block (Stripped) *Model Years 1994-1995*

FORD SERVICE:

F4TZ-6V012-AARM

F5UZ-6V012-AARM

6012 Long Block (Enhanced) *Model Years 1997-2003*

FORD SERVICE:

XC3Z-6V012-BARM

F7TZ-6V012-ABRM

F81Z-6V012-CARM



F-250/F-550, E Series
and Excursion



F-650/F-750

6006 Long Block *Model Years 1994-2003*

FORD SERVICE:

F4TZ-6V006-BARM

F6UZ-6V006-BARM

5C3Z-6V006-DRM

F5TZ-6V006-AARM

F7TZ-6V006-BARM

XC2Z-6006-AARM

F6TZ-6V006-AARM

F7TZ-6V006-CARM

XC3Z-6006-AARM

F6TZ-6V006-BARM

F7UZ-6V006-AARM

1C3Z-6006-DARM

F6UZ-6V006-AARM

5C3Z-6V006-CRM



F-250/F-550, E Series
and Excursion



F-650/F-750

6007 Complete *Model Years 1994-2003*

FORD SERVICE:

F4TZ-6V007-FARM

F6UZ-6V007-BARM

5C3Z-6V007-CRM

F5TZ-6V007-AARM

F7TZ-6V007-AARM

XC2Z-6007-AARM

F5UZ-6V007-AARM

F7TZ-6V007-BARM

XC3Z-6007-BARM

F6TZ-6V007-AARM

F7UZ-6V007-AARM

XC3Z-6007-CARM

F6TZ-6V007-BARM

5C3Z-6V007-ARM

1C3Z-6007-HARM

F6UZ-6V007-AARM

5C3Z-6V007-BRM

Trim Level	Bill of Materials	6012	Enhanced 6012	6006	6007
Long Block (Stripped) (6012)	Cam Bearings	■	■	■	■
	Camshaft	■	■	■	■
	Connecting Rods	■	■	■	■
	Crankcase Dowel Pin Kit	■	■	■	■
	Crankshaft	■	■	■	■
	Cylinder Block	■	■	■	■
	Cylinder Head Assembly *	■	■	■	■
	Front Cover	■	■	■	■
	Front Seal	■	■	■	■
	Lifters	■	■	■	■
	Main/Rod Bearings	■	■	■	■
	Oil Cooler Assembly	■	■	■	■
	Oil Pump Assembly	■	■	■	■
	Piston Cooling Tubes	■	■	■	■
	Pistons/Rings	■	■	■	■
	Push Rods	■	■	■	■
	Rear Cover	■	■	■	■
	Rear Seal	■	■	■	■
	Rocker Arms	■	■	■	■
	Timing Components	■	■	■	■
Valves	■	■	■	■	
Enhanced 6012	Intake Manifold		■	■	■
	Oil Filter		■	■	■
	Oil Pan and Pick-up Tube		■	■	■
	Valve Cover Gaskets		■	■	■
	Valve Covers		■	■	■
Long Block (6006)	Fuel Injectors (Electronic)			■	■
	Glow Plugs			■	■
	High Pressure Oil Pump and Regulator			■	■
	Sensor - Camshaft Positioning (CMP)			■	■
	Sensor - Engine Oil Temperature (EOT)			■	■
	Sensor - Exhaust Back Pressure (EBP)			■	■
Sensor - Injection Control Pressure (ICP)			■	■	
Vibration Damper			■	■	
Complete (6007)	Adapter, Exhaust Inlet				■
	Engine Heater				■
	Exhaust Manifolds-Left and Right				■
	Fuel Filter Assembly				■
	Fuel Lift Pump **				■
	Sensor Water Temp				■
	Tube, Exhaust Left and Right				■
	Turbocharger Assembly with Pedestal				■
	Water Outlet and Thermostat				■
Water Pump Assembly				■	

NOTE: * Updated 10 bolt intake style cylinder heads

** Included on F-650/F-750 and all F-250/F-350 prior to 98.5MY

ILLUSTRATIONS - 7.3L IDIT



7.3L IDIT : Engines



F-250/F-350 with turbo

6012 Long Block (Stripped) *Model Years 1993-1994*

FORD SERVICE:

F3TZ-6V012-AARM



F-250/F-350 with turbo

6006 Long Block *Model Years 1993-1994*

FORD SERVICE:

F4TZ-6V006-AARM

7.3L IDIT : Bill of Materials

Trim Level	Bill of Materials	6012	6006
Long Block Stripped (6012)	Cam Bearings	■	■
	Camshaft	■	■
	Connecting Rods **	■	■
	Crankshaft	■	■
	Cylinder Block	■	■
	Cylinder Head Assembly **	■	■
	Front Cover	■	■
	Front Seal	■	■
	Lifters	■	■
	Main/Rod Bearings	■	■
	Oil Cooler Assembly *	■	■
	Oil Pump Assembly *	■	■
	Pick-up Tube *	■	■
	Piston Cooling Tubes	■	■
	Pistons/Rings **	■	■
	Push Rods	■	■
	Rear Cover	■	■
	Rear Seal	■	■
	Rocker Arms	■	■
	Timing Components	■	■
Valves	■	■	
Long Block (6006)	Fuel Injectors **		■
	Oil Filter		■
	Oil Pan		■
	Valve Cover & Gaskets		■
	Vibration Damper		■

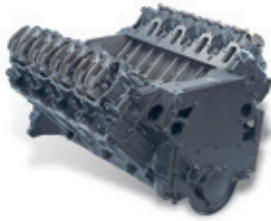
NOTE: * Shipped loose on 6012

** Turbo unique



ILLUSTRATIONS - 6.9L & 7.3L IDI

6.9L & 7.3L IDI : Engines



F-250/F-350 and E Series

6012 Long Block (Stripped) *Model Years 1983-1994*

FORD SERVICE:

- | | |
|-----------------|-----------------|
| XU2Z-6V012-AARM | XU2Z-6V012-CARM |
| XU2Z-6V012-BARM | XU2Z-6V012-DARM |



F-250/F-350 and E Series

6007 Complete *Model Years 1983-1994*

FORD SERVICE:

- | | |
|----------------|----------------|
| XU2Z-6007-AARM | XU2Z-6007-CARM |
| XU2Z-6007-BARM | XU2Z-6007-DARM |
| | XU2Z-6007-EARM |

6.9L & 7.3L IDI : Bill of Materials

Trim Level	Bill of Materials	6012	6007
Long Block Stripped (6012)	Cam Bearings	■	■
	Camshaft	■	■
	Connecting Rods	■	■
	Crankshaft	■	■
	Cylinder Block	■	■
	Lifters	■	■
	Main/Rod Bearings	■	■
	Piston Cooling Tubes	■	■
	Pistons/Rings	■	■
	Timing Components	■	■
	Cylinder Head Assembly	■	■
	Front Cover	■	■
	Front Seal	■	■
	Oil Cooler Assembly *	■	■
	Oil Pump Assembly *	■	■
	Push Rods	■	■
	Rear Cover	■	■
	Rear Seal	■	■
	Rocker Arms	■	■
	Valves	■	■
Complete (6007)	Block Heater		■
	CDR Valve		■
	Exhaust Manifolds		■
	Fuel Filter Assembly		■
	Fuel Filter Bracket		■
	Fuel Injection Pump		■
	Fuel Lift Pump		■
	Fuel Lines		■
	Glow Plugs		■
	Injectors		■
	Intake Manifold		■
	Oil Filter		■
	Oil Pan and Pick-up Tube		■
	Valve Cover & Gaskets		■
	Vibration Damper		■
	Water Outlet and Thermostat		■
Water Pump Assembly		■	

NOTE: * Shipped loose on 6012

ILLUSTRATIONS - ENGINE OVERHAUL KITS

Engine Overhaul Kit: Bill of Materials

Category	Bill of Materials	7.3L	6.0L	6.4L
CYLINDER HEAD	Head Bolts	■	■	■
	Dowel Pins		■	■
	Freeze Plugs		■	■
	Head Gaskets	■	■	■
	Glow Plugs	■	■	■
	Glow Plug Harnesses			■
	Injector O-Rings - Lower		■	■
	Injector O-Rings - Upper		■	■
	Intake Manifold Gaskets		■	■
	Rocker Arm Carrier Gaskets		■	
	Rocker Arm Clips			■
	Thermostat(s)		■	■
	Thermostat Housing Gasket			■
	Under Valve Cover Harness Seals			■
	Valve Cover Gaskets	■	■	■
	Valve Stem Seals	■	■	■
	CRANKCASE	Bedplate Seals		■
Camshaft Bearings		■	■	■
Connecting Rod Bearings		■	■	■
Crankshaft Bearings		■	■	■
Crankshaft Thrust Bearing		■	■	■
Crankshaft Seal - Rear Main		■	■	■
Cylinder Block Freeze Plugs			■	■
Damper Pulley Bolt				■
Engine Cover Gasket - Rear		■	■	■
Oil Cooler		■	■	■
Oil Cooler Gaskets			■	■
Oil Level Tube Seal		■	■	■
Oil Pan Gaskets - Lower		■	■	■
Oil Pan Gaskets - Upper		■	■	■
Oil Pick-Up Tube O-Ring		■	■	■
Pistons		■	■	■
Piston Rings		■	■	■
Wrist Pins			■	■
Wrist Pin Retainers		■	■	
EGR	Cooler Clamps		■	■
	Cooler Coolant Lines		■	■
	Cooler Gaskets		■	■
	Cooler Hose Clamps			■
	Cooler to Valve Tube		■	■
	Valve Gasket		■	■

Category	Bill of Materials	7.3L	6.0L	6.4L
FRONT COVER	Crankshaft Seal - Front	■	■	■
	Engine Cover Gasket / O-Rings - Front	■	■	■
	Oil Pump Assembly	■	■	■
	Water Pump Gasket	■	■	■
HIGH PRESSURE PUMP	Fuel Pump Branch Tubes		■	
	Fuel Pump Gaskets	■	■	■
	Fuel Pump to Rail Tubes			■
	Injector Fuel Tubes			■
	Injector Oil Tubes (Case to Head)		■	
SENSORS	Camshaft Positioning (CMP)		■	■
	Crankshaft Positioning (CKP)		■	■
	Engine Coolant Temperature (ECT)		■	■
	Exhaust Back Pressure			■
	Exhaust Gas Temperature			■
	Fuel Pressure			■
	Injecton Control Pressure (ICP)		■	
	Intake Manifold Air Pressure (MAP)			■
	Intake Manifold Air Temperature (MAT)			■
	Oil Temperature		■	■
	Oil Pressure		■	■
TURBOCHARGER	Exhaust Manifold Gaskets	■	■	■
	Throttle Body Gaskets		■	
	Compressor Gaskets		■	■
	Exhaust Pipe Hardware		■	■
	Oil Line O-Rings		■	
	Oil Return Gasket(s)		■	■
	Oil Supply Line w/ O-Rings			■
	Turbine Gaskets		■	■
MISC.	Engine Oil Filler Cap		■	■
	Filter - Breather			■
	Filter Kit - Engine Oil	■	■	■
	Filter Kit - Fuel		■	■



ILLUSTRATIONS - ENGINE OVERHAUL KITS



6.4L FORD

FORD SERVICE:	8C3Z-6R007-A
SIZE:	Standard Sized Piston & Rings
APPLICATION:	F-250/F-550 2008-2010
FORD SERVICE:	8C3Z-6R007-B
SIZE:	.010 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2008-2010
FORD SERVICE:	8C3Z-6R007-C
SIZE:	.020 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2008-2010
FORD SERVICE:	8C3Z-6R007-D
SIZE:	.030 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2008-2010

6.0L (Light Duty) FORD

FORD SERVICE:	4C3Z-6R007-C
SIZE:	Standard Sized Piston & Rings
APPLICATION:	F-250/F-550 2004-2007 E Series 2004-2010 Excursion 2004-2005
FORD SERVICE:	4C3Z-6R007-A
SIZE:	.010 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2004-2007 E Series 2004-2010 Excursion 2004-2005
FORD SERVICE:	4C3Z-6R007-B
SIZE:	.020 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2004-2007 E Series 2004-2010 Excursion 2004-2005
FORD SERVICE:	3C3Z-6R007-C
SIZE:	Standard Sized Piston & Rings
APPLICATION:	F-250/F-550 2003-2004 Excursion 2003-2004
FORD SERVICE:	3C3Z-6R007-A
SIZE:	.010 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2003-2004 Excursion 2003-2004
FORD SERVICE:	3C3Z-6R007-B
SIZE:	.020 Oversized Piston & Rings
APPLICATION:	F-250/F-550 2003-2004 Excursion 2003-2004

6.0L (Heavy Duty) FORD

FORD SERVICE:	4C4Z-6R007-A
SIZE:	.010 Oversized Piston & Rings
APPLICATION:	F-650/F-750 2004-2007
FORD SERVICE:	4C4Z-6R007-B
SIZE:	.020 Oversized Piston & Rings
APPLICATION:	F-650/F-750 2004-2007

ILLUSTRATIONS - ENGINE OVERHAUL KITS



7.3L DIT		FORD
FORD SERVICE:	2C3Z-6R007-A	
SIZE:	Standard Piston & Rings - 7.3L DIT	
APPLICATION:	F-250/F-550 1994-2003 E Series 1995-2003 Excursion 2000-2003	
FORD SERVICE:	2C3Z-6R007-B	
SIZE:	.010 Oversized Piston & Rings - 7.3L DIT	
APPLICATION:	F-250/F-550 1994-2003 E Series 1995-2003 Excursion 2000-2003	
FORD SERVICE:	2C3Z-6R007-C	
SIZE:	.020 Oversized Piston & Rings - 7.3L DIT	
APPLICATION:	F-250/F-550 1994-2003 E Series 1995-2003 Excursion 2000-2003	
FORD SERVICE:	2C3Z-6R007-D	
SIZE:	.030 Oversized Piston & Rings - 7.3L DIT	
APPLICATION:	F-250/F-550 1994-2003 E Series 1995-2003 Excursion 2000-2003	



ILLUSTRATIONS - ENGINE COMPONENTS

Camshafts

Illustration Not Available

6.7L	FORD
FORD SERVICE: BC3Z-6250-D	
APPLICATION: F-250/F-550 2011-2015	

Illustration Not Available

3.2L (EXHAUST)	FORD
FORD SERVICE: BK3Z-6250-A	
APPLICATION: Transit 2015	



Illustration Not Available

6.4L	FORD
FORD SERVICE: 8C3Z-6250-A	
APPLICATION: F-250/F-550 2008-2010	
NOTE: Use Lifters / Lifter Guides # 8C3Z-6C329-B	

3.2L (INTAKE)	FORD
FORD SERVICE: BK3Z-6250-B	
APPLICATION: Transit 2015	



6.0L	FORD
FORD SERVICE: 4C3Z-6250-AA	
APPLICATION: F-250/F-550 2003-2007	
F-650/F-750 2003-2007	
E Series 2004-2010	
Excursion 2003-2005	
NOTE: Use Lifters / Lifter Guides # 3C3Z-6C329-AA	
FORD SERVICE: 3C3Z-6250-AA	
APPLICATION: F-650/F-750 2003-2004	
NOTE: Use Lifters / Lifter Guides # 3C3Z-6C329-AA	

Connecting Rods


6.7L
FORD
FORD SERVICE: BC3Z-6200-A

APPLICATION: F-250/F-550 2011-2015
 BOM: Connecting Rod Assembly
 Bolts


6.0L/4.5L
FORD
FORD SERVICE: 6E7Z-6200-A

APPLICATION: F-250/F-750 2003-2007
 E Series 2004-2010
 Excursion 2003-2005
 LCF 2006-2009

BOM: Connecting Rod Assembly
 (2) Bolt
 (1) Bearing, Rod Std

CAST ID: 1834675C1

NOTE: Replaces 3C3Z-6200-AARM


6.4L
FORD
FORD SERVICE: 8C3Z-6200-B

APPLICATION: F-250/F-550 2008-2010
 BOM: Connecting Rod Assembly
NOTE: Replaces 8C3Z-6200-A


7.3L DIT
FORD
FORD SERVICE: 1C3Z-6200-AARM

APPLICATION: E Series 2001-2003
 F-650/F-750 2000-2003
 F-250/F-550 2001-2003
 Excursion 2001-2003

BOM: Connecting Rod Assembly



ILLUSTRATIONS - ENGINE COMPONENTS

Connecting Rods (continued)



Illustration Not Available

7.3L DIT	MC
FORD SERVICE:	F4TZ-6V200-CARM
MOTORCRAFT:	PR-4-RM
APPLICATION:	E Series 1995-2000 F-250/F-550 1994-2000 Excursion 2000
BOM:	Connecting Rod Assembly
CAST ID:	1812003C2

3.2L (GRADE H)	FORD
FORD SERVICE:	BB3Z-6200-A
APPLICATION:	Transit 2015

Illustration Not Available



3.2L (GRADE J)	FORD
FORD SERVICE:	BB3Z-6200-B
APPLICATION:	Transit 2015

6.9L/7.3L IDI	MC
FORD SERVICE:	XU2Z-6V200-BARM
MOTORCRAFT:	PR-5-RM
APPLICATION:	F-250/F-350 1983-1994 E Series 1983-1994
BOM:	Connecting Rod Assembly
CAST ID:	1805615C1

Illustration Not Available

3.2L (GRADE I)	FORD
FORD SERVICE:	BB3Z-6200-C
APPLICATION:	Transit 2015

Crankshafts


6.7L
FORD
FORD SERVICE: BC3Z-6303-B

APPLICATION: F-250/F-550 2011-2015

BOM: Crankshaft


6.0L
FORD
FORD SERVICE: 3C3Z-6303-AARM

 APPLICATION: F-250/F-550 2003-2007
 F-650/F-750 2003-2007
 E Series 2004-2010
 Excursion 2003-2005

 BOM: Crankshaft
 (4) Bearing, Upper
 (5) Bearing, Lower
 (1) Bearing, Thrust Instruction Sheet

NOTE: Replaces 5C4Z-6303-AARM

6.4L
FORD
FORD SERVICE: 8C3Z-6303-A

APPLICATION: F-250/F-550 2008-2010

 BOM: Crankshaft
 Main Bearings
 Rear Seal

7.3L DIT (Late Style)
MC
FORD SERVICE: 3C3Z-6V303-AARM
MOTORCRAFT: CRK-382-RM

 APPLICATION: F-250/F-550 1998-2003
 F-650/F-750 2000-2003
 E Series 1998-2003
 Excursion 2000-2003

 BOM: Crankshaft
 Main Bearings
 Rear Seal



ILLUSTRATIONS - ENGINE COMPONENTS

Crankshafts (continued)



7.3L DIT (Early Style)	MC
FORD SERVICE: F4TZ-6V303-BARM	
MOTORCRAFT: CRK-10-RM	
APPLICATION:	F-250/F-350 1994-1998 E Series 1995-1998
BOM:	Crankshaft Main Bearings Rear Seal



4.5L	FORD
FORD SERVICE: 6E7Z-6303-BA	
APPLICATION:	LCF 2006-2009

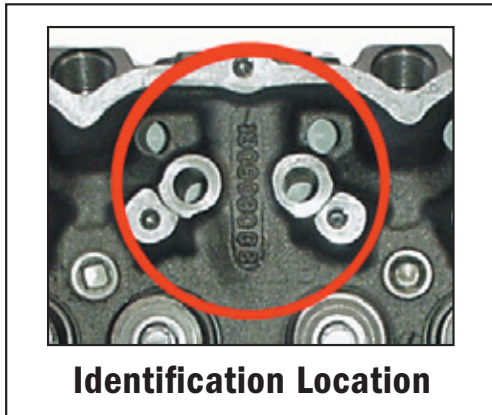


6.9L/7.3L IDI & 7.3L IDIT	MC
FORD SERVICE: F4TZ-6V303-AARM	
MOTORCRAFT: CRK-378-RM	
APPLICATION:	F-250/F-350 1983-1994 E Series 1983-1994
BOM:	Crankshaft Main Bearings Rear Seal

Illustration Not Available

3.2L	FORD
FORD SERVICE: BK3Z-6303-A	
APPLICATION:	Transit 2015

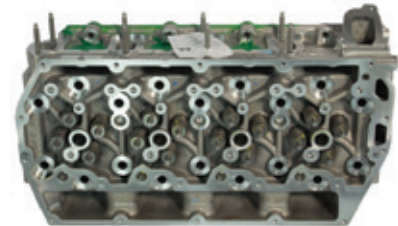
Cylinder Head Kits



6.7L (LEFT HAND)	FORD
FORD SERVICE:	BC3Z-6049-P
APPLICATION:	F-250/F-550 2012-2014 (After 2/1/2012)
BOM:	Head Assembly Exhaust and Intakes Valves
NOTE:	Cylinder Head Gaskets & Bolts sold separately

Illustration Not Available

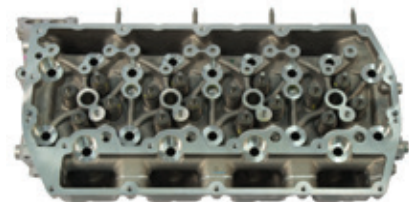
6.7L (LEFT HAND)	FORD
FORD SERVICE:	FC3Z-6049-A
APPLICATION:	F-250/F-550 2015
BOM:	Head Assembly Exhaust and Intake Valves
NOTE:	Cylinder Head Gaskets & Bolts sold separately



6.7L (RIGHT HAND)	FORD
FORD SERVICE:	BC3Z-6049-R
APPLICATION:	F-250/F-550 2011-2012 (Before 2/1/2012)
BOM:	Head Assembly Exhaust and Intakes Valves
NOTE:	Cylinder Head Gaskets & Bolts sold separately



6.7L (RIGHT HAND)	FORD
FORD SERVICE:	FC3Z-6049-B
APPLICATION:	F-250/F-550 2012-2015 (After 2/1/2012)
BOM:	Head Assembly Exhaust and Intakes Valves
NOTE:	Cylinder Head Gaskets & Bolts sold separately Also need FC3Z-00810-A (2) and FC3Z-9A462-A for pickup or DC3Z-9A462-B for chassis cab, for 2012-2014



6.7L (LEFT HAND)	FORD
FORD SERVICE:	BC3Z-6049-S
APPLICATION:	F-250/F-550 2011-2012 (Before 2/1/2012)
BOM:	Head Assembly Exhaust and Intakes Valves
NOTE:	Cylinder Head Gaskets & Bolts sold separately



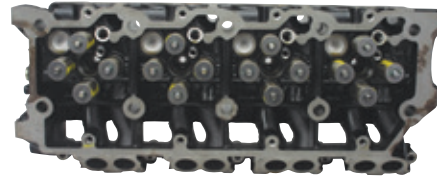
ILLUSTRATIONS - ENGINE COMPONENTS

Cylinder Head Kits (continued)



6.4L	FORD
FORD SERVICE:	8C3Z-6049-BRM

APPLICATION: F-250/F-550 2008-2010
 BOM: Head Assembly
 Head Gasket and Bolts
 Straight 20mm Dowels
 Case To Head Tubes
 CAST ID: 1832135C2
 NOTE: Replaces 8C3Z-6049-BB



6.0L	FORD
FORD SERVICE:	3C3Z-6049-ARM †

APPLICATION: F-250/F-750 2003-2006
 E Series 2004-2006
 Excursion 2003-2005
 BOM: Head Assembly
 Head Gasket and Bolts
 Straight 20mm Dowels
 18mm To 20mm Step Dowels
 CAST ID: 1843080C2
 NOTE: Replaces 3C3Z-6049-AARM,
 3C3Z-6049-AA, 3C3Z-6049-BA,
 6C3Z-6049-C, 3C3Z-6049-CARM &
 3C3Z-6049-DA
 † To ensure proper cylinder head replacement,
 refer to cylinder head kit selection chart
 located on page 138



6.0L	FORD
FORD SERVICE:	6C3Z-6049-DRM

APPLICATION: F-250/F-750 2006-2007
 E Series 2006-2010
 BOM: Head Assembly
 Head Gasket and Bolts
 Straight 20mm Dowels
 18mm To 20mm Step Dowels
 Case To Head Tubes
 CAST ID: 1855613C1
 NOTE: Replaces 6C3Z-6049-A, 6C3Z-6049-AA



7.3L DIT	MC
FORD SERVICE:	F5TZ-6V049-AARM
MOTORCRAFT:	CH-3-RM

APPLICATION: F-250/F-550 1995.5-2003
 E Series 1995.5-2003
 Excursion 2000-2003
 F-650/F-750 2000-2003
 BOM: Head Assembly
 Exhaust Valves
 Intake Valves
 Injector Sleeves
 Valve Retainers
 Valve Seals
 Valve Springs
 CAST ID: 1825113C1
 NOTE: 10-Bolt Inlet Cover

Cylinder Head Kits (continued)



7.3L DIT **MC**

FORD SERVICE: F4TZ-6V049-BARM

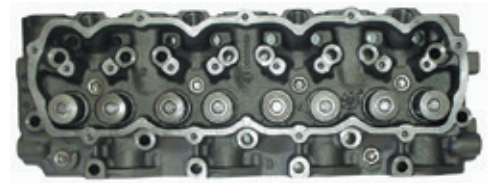
MOTORCRAFT: CH-2-RM

APPLICATION: F-250/F-350 1994-1995.5
E Series 1995-1995.5

BOM: Head Assembly
Exhaust Valves
Intake Valves
Injector Sleeves
Valve Retainers
Valve Seals
Valve Springs

CAST ID: 1818303C2

NOTE: 8-Bolt Inlet Cover



7.3L IDI **MC**

FORD SERVICE: XU2Z-6V049-DARM

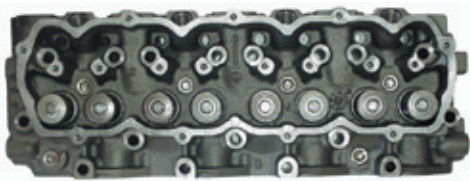
MOTORCRAFT: CH-12-RM

APPLICATION: F-250/F-350 1988-1994
E Series 1988-1994

BOM: Head Assembly
Exhaust Valves
Intake Valves
Valve Retainers
Valve Seals
Valve Springs

CAST ID: 1809030C3

NOTE: 7.3L IDI and IDIT have identical casting numbers



7.3L IDIT **MC**

FORD SERVICE: F4TZ-6V049-AARM

MOTORCRAFT: CH-103-RM

APPLICATION: F-250/F-350 1993-1994

BOM: Head Assembly
Exhaust Valves
Intake Valves
Valve Retainers
Valve Seals
Valve Springs

CAST ID: 1809030C3

NOTE: 7.3L IDI and IDIT have identical casting numbers



6.9L IDI **MC**

FORD SERVICE: XU2Z-6V049-CARM

MOTORCRAFT: CH-11-RM

APPLICATION: F-250/F-350 1984-1987
E Series 1984-1987

BOM: Head Assembly
Exhaust Valves
Intake Valves
Valve Retainers
Valve Seals
Valve Springs

CAST ID: 1805855C1

FORD SERVICE: XU2Z-6V049-AARM

MOTORCRAFT: CH-4-RM

APPLICATION: F-250/F-350 1983
E Series 1983

BOM: Head Assembly
Exhaust Valves
Intake Valves
Valve Retainers
Valve Seals
Valve Springs

CAST ID: 1805288C1



ILLUSTRATIONS - ENGINE COMPONENTS

Cylinder Head Kits (continued)



4.5L		FORD
FORD SERVICE: 7E7Z-6049-C		
APPLICATION:	LCF 2006-2009	
BOM:	Head Assembly Head Gasket and Bolts Straight 20mm Dowels 18mm To 20mm Step Dowels Case To Head Tubes	
CAST ID:	1850354C1	
NOTE:	Replaces 6E7Z-6049-CA, 7E7Z-6049-A, 7E7Z-6049-B	

Illustration Not Available

4.5L		FORD
FORD SERVICE: 6E7Z-6049-J		
APPLICATION:	LCF 2006	
BOM:	Head Assembly Head Gasket and Bolts Rocker Arm Carrier Rocker Gasket Injector Clamps Injector Bolts and Retainers Carrier Bolt	
CAST ID:	1844172C3 *	
NOTE:	Replaces 6E7Z-6V049-AA, 6E7Z-6049-BA, 6E7Z-6V049-F, 6E7Z-6V049-H * Original Production Cast ID Number	

Illustration Not Available

3.2L		FORD
FORD SERVICE: BK3Z-6049-A		
APPLICATION:	Transit 2015	

EGR Coolers



6.7L		FORD
FORD SERVICE: BC3Z-9V425-A		
APPLICATION:	F-250/F-550 2011-2015	
NOTE:	2011-2014 use gasket BC3Z-9P455-B 2015 use gasket FC3Z-9P455-A	



6.4L		FORD
FORD SERVICE: 8C3Z-9F464-F		
APPLICATION:	F-250/F-550 2008-2010	
BOM:	Cooler Assy, EGR #1 (Qty 1) Screw, Drive Type U (Qty 2) Nut, 1/4-28 UNF Lock (Qty 2)	
NOTE:	Horizontal Mtg. (EGR Cooler # 1) Replaces 8C3Z-9F464-E	



6.4L		FORD
FORD SERVICE: 8C3Z-9P456-C		
APPLICATION:	F-250/F-550 2008-2010	
BOM:	Cooler, EGR 2 (Qty 1) Nut, 1/4-28 UNF Lock (Qty 3)	
NOTE:	Vertical Mtg. (EGR Cooler # 2) Replaces 8C3Z-9P456-A	

ILLUSTRATIONS - ENGINE COMPONENTS

EGR Coolers (continued)



6.0L **FORD**
FORD SERVICE: 4C3Z-9P456-AJ

- APPLICATION: F-250/F-550 2004-2007
 F-650/F-750 2004-2007
 E Series 2004-2010
 Excursion 2004-2005
- BOM: Cooler, EGR (Qty 1)
 Gasket, Cooler Gas Inlet (Qty 1)
 Coupling Assy, EGR Coolant Inlet (Qty 1)
 Seal, Front Cover O-Ring (Qty 1)
 Gasket, EGR Cooler To Manifold (Qty 1)
 O-Ring #210 (Qty 1)
 Gasket, Turbo Oil Inlet (Qty 1)
 O-Ring #210 (Qty 2)
 Bolt, Flange Head M8x30 (Qty 3)
 O-Ring #206 (Qty 1)
 Bolt, Hex Flg M6x20 (Qty 1)
 Seal, O-Ring (Qty 1)



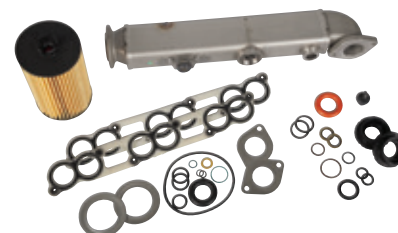
6.0L **FORD**
FORD SERVICE: 3C3Z-9P456-B

- APPLICATION: F-250/F-550 2003-2004
 F-650/F-750 2003-2004
 Excursion 2003-2004
- BOM: Cooler, EGR (Qty 1)
 Gasket, Cooler Gas Inlet (Qty 1)
 Coupling Assy, EGR Coolant Inlet (Qty 1)
 Seal, Front Cover O-Ring (Qty 1)
 Gasket, EGR Cooler To Manifold (Qty 1)
 O-Ring #210 (Qty 1)
 Gasket, Turbo Oil Inlet (Qty 1)
 O-Ring #210 (Qty 2)
 Bolt, Flange Head M8x30 (Qty 3)
 O-Ring #206 (Qty 1)
 Bolt, Hex Flg M6x20 (Qty 1)



4.5L **FORD**
FORD SERVICE: 8E7Z-9P456-A

- APPLICATION: LCF 2006-2009
- BOM: Cooler, EGR (Qty 1)
 Kit, Intake Manifold Gasket (Qty 1)
 Bolt Assy, EGR Cooler Mtg (Qty 1)
 Gasket, EGR Cooler To Manifold (Qty 1)
 Gasket, Exhaust (Qty 1)
 O-Ring #210 (Qty 1)



4.5L **FORD**
FORD SERVICE: 6E7Z-9P456-A

- APPLICATION: LCF 2006
- BOM: Cooler, EGR (Qty 1)
 Kit, Intake Manifold Gasket (Qty 1)
 Bolt Assy, EGR Cooler Mounting (Qty 1)
 Gasket, EGR Cooler To Manifold (Qty 1)
 Gasket, Cooler Gas Inlet (Qty 1)
 O-Ring #210 (Qty 1)
 O-Ring Size 315 (Qty 1)
 Seal, EGR Coolant (Qty 1)

Illustration Not Available

3.2L **FORD**
FORD SERVICE: CK4Z-9U433-A

- APPLICATION: Transit 2015



ILLUSTRATIONS - ENGINE COMPONENTS

EGR Valves

Illustration Not Available

6.7L	MC
FORD SERVICE:	BC3Z-9D475-C
MOTORCRAFT:	CX-2404
APPLICATION:	F-350/F-550 2011-2015
NOTE:	Narrow Frame - Chassis Cab



6.0L	MC
FORD SERVICE:	5C3Z-9F452-ARM
MOTORCRAFT:	CX-2466-RM
APPLICATION:	F-250/F-550 2005-2007 E Series 2005-2010 Excursion 2005
NOTE:	Replaces 5C3Z-9F452-AA/CX-2020

Illustration Not Available

6.7L	MC
FORD SERVICE:	BC3Z-9D475-D
MOTORCRAFT:	CX-2405
APPLICATION:	F-250/F-450 2011-2015
NOTE:	Wide Frame - Pickup Chassis



6.0L	MC
FORD SERVICE:	4C3Z-9F452-ARM
MOTORCRAFT:	CX-2467-RM
APPLICATION:	F-250/F-550 2003-2004 F-650/F-750 2003-2004 E Series 2004 Excursion 2003-2004
NOTE:	Replaces 4C3Z-9F452-A/CX-2056



6.4L	MC
FORD SERVICE:	8C3Z-9D475-D
MOTORCRAFT:	CX-2366
APPLICATION:	F-250/F-550 2008-2010
NOTE:	Replaces 8C3Z-9D475-B/CX-2174



6.0L	MC
FORD SERVICE:	5C4Z-9F452-AA
MOTORCRAFT:	CX-2049
APPLICATION:	F-650/F-750 2004-2007

EGR Valves (continued)



4.5L **FORD**
FORD SERVICE: 7E7Z-9D475-A
 APPLICATION: | LCF 2008-2009



4.5L **MC**
FORD SERVICE: 6E7Z-9D475-AA
MOTORCRAFT: CX-2045
 APPLICATION: | LCF 2006-2007

Illustration Not Available

3.2L **FORD**
FORD SERVICE: BK2Z-9D475-A
 APPLICATION: | Transit 2015

Electronic Control Modules



6.0L **FORD**
FORD SERVICE: 5C4Z-12A650-B
 APPLICATION: | F-650/F-750 2003-2007
 LCF 2006-2007
 BOM: ECM
 CAST ID: 1839053C#
NOTE: Replaces 4C4Z-12A650-AA, 5C4Z-12A650-AA



4.5L **FORD**
FORD SERVICE: 8E7Z-12A650-C
 APPLICATION: | LCF 2008-2009
 BOM: ECM
NOTE: Replaces 8E7Z-12A650-B, 8E7Z-12A650-AB



ILLUSTRATIONS - ENGINE COMPONENTS

Fuel Injection Control Modules



6.0L (FICM - Pre-Programmed)		FORD
FORD SERVICE:	4C3Z-12B599-CRM	
APPLICATION:	F-250/F-550 2003-2004 Excursion 2003-2004	
FORD SERVICE:	4C3Z-12B599-DRM	
APPLICATION:	F-250/F-550 2004 Excursion 2004-2005	
FORD SERVICE:	4C3Z-12B599-ERM	
APPLICATION:	F-250/F-550 2005-2007 Excursion 2005 E Series 2004-2010	

4.5L/6.0L (FICM - Complete)		FORD
FORD SERVICE:	4C3Z-12B599-ABRM	
APPLICATION:	F-250/F-750 2003-2007 E Series 2003-2010 Excursion 2003-2005 LCF 2006-2007	
BOM:	Fuel Injection Control Module (FICM) (4) Bushing, Vib Isolator (8) Grommet, Vib Isolator	
CAST ID:	1845117C2, 1837127C#	
NOTE:	Replaces 3C3Z-12B599-AARM, 4C3Z-12B599-AARM	



6.0L (FICM - Half Shell)		FORD
FORD SERVICE:	4C3Z-12B599-BARM	
APPLICATION:	F-250/F-750 2003-2007 Excursion 2003-2005 E Series 2004-2010	

NOTE: See page 139 for information on choosing the FICM version that's best for your situation.

ILLUSTRATIONS - ENGINE COMPONENTS

Direct Injection (DI) Fuel Injectors

Illustration Not Available



6.7L **MC**

FORD SERVICE: FC3Z-9H529-A

MOTORCRAFT: CN-6019

APPLICATION: F-250/F-550 2015

BOM: Fuel Injector
Fuel Supply Tube
Bolt

NOTE: For use on cylinders 1, 2, 7 & 8

FORD SERVICE: FC3Z-9H529-B

MOTORCRAFT: CN-6020

APPLICATION: F-250/F-550 2015

BOM: Fuel Injector
Fuel Supply Tube
Bolt

NOTE: For use on cylinders 3, 4, 5 & 6



6.7L **MC**

FORD SERVICE: BC3Z-9H529-A

MOTORCRAFT: CN-5022

APPLICATION: F-250/F-550 2011-2014

BOM: Fuel Injector
Fuel Supply Tube
Bolt

NOTE: For use on cylinders 1, 2, 7 & 8

FORD SERVICE: BC3Z-9H529-B

MOTORCRAFT: CN-5023

APPLICATION: F-250/F-550 2011-2014

BOM: Fuel Injector
Fuel Supply Tube
Bolt

NOTE: For use on cylinders 3, 4, 5 & 6

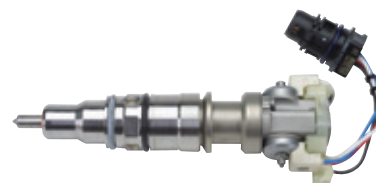
6.4L **MC**

FORD SERVICE: 8C3Z-9E527-DRM

MOTORCRAFT: CN-6017-RM

APPLICATION: F-250/F-550 2008-2010

BOM: Fuel Injector
Fuel Supply Tube



4.5L/6.0L **MC**

FORD SERVICE: 4C3Z-9E527-BRM

MOTORCRAFT: CN-5019-RM

APPLICATION: F-250/F-750 2004-2007
E Series 2004-2010
Excursion 2004-2005
LCF 2006-2009

BOM: Fuel Injector
Fuel Injector Assembly

Connector Side



Look for 2004 identifier numbers on connector side of injector:
- 1844751C2

NOTE: Replaces 4C3Z-9E527-AA / CN-5015

6.0L **MC**

FORD SERVICE: 3C3Z-9E527-ECRM

MOTORCRAFT: CN-5020-RM

APPLICATION: F-250/F-750 2003-2004
Excursion 2003-2004

BOM: Fuel Injector
Fuel Injector Assembly

Connector Side



Look for 2003 identifier numbers on connector side of injector:
- 1845879C91
- 1843481C94
- 1843481C95

NOTE: Replaces 3C3Z-9E527-ABRM,
3C3Z-9E527-AE, 3C3Z-9E527-EARM,
& 3C3Z-9E527-EBRM / CN-5014-RM



ILLUSTRATIONS - ENGINE COMPONENTS

Direct Injection (DI) Fuel Injectors (continued)



7.3L DIT Identification Location

The original injector part number and letter code can be found etched on top of the injector solenoid.



7.3L DIT	MC
FORD SERVICE:	5C3Z-9VE527-ARM
MOTORCRAFT:	CMR-7-RM

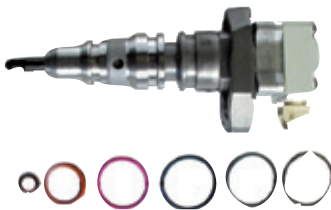
APPLICATION: F-250/F-550 1999.5-2003
 F-650/F-750 2000-2002
 E Series 1999.5-2003
 Excursion 2000-2003

BOM: Fuel Injector
 Fuel Injector Assembly
 (1) Steel Split Ring
 (1) Large Square Back-up Ring
 (1) Large Thick O-Ring
 (1) Smaller Middle O-Ring
 (1) Small Lower O-Ring
 (1) Small Copper Washer
 Directions

CAST ID: 5010148R91, 1833639C1 or 1833640C1

LETTER CODE: AE

NOTE: Cackle Fix used only in #8 cylinder,
 TSB 03-21-39
 Replaces XC3Z-9E527-AARM



7.3L DIT	MC
FORD SERVICE:	5C3Z-9VE527-BRM
MOTORCRAFT:	CMR-8-RM

APPLICATION: F-250/F-550 1999.5-2003
 F-650/F-750 2000-2003
 Excursion 2000-2003
 E Series 1999.5-2003

BOM: Fuel Injector
 Fuel Injector Assembly
 (1) Steel Split Ring
 (1) Large Square Back-up Ring
 (1) Large Thick O-Ring
 (1) Smaller Middle O-Ring
 (1) Small Lower O-Ring
 (1) Small Copper Washer
 Directions

CAST ID: 5010149R91, 1831551C1 or 1831489C1

LETTER CODE: AD

NOTE: Replaces F81Z-9E527-CRM

7.3L DIT	MC
FORD SERVICE:	F61Z-9VE527-BRM
MOTORCRAFT:	CMR-1-RM

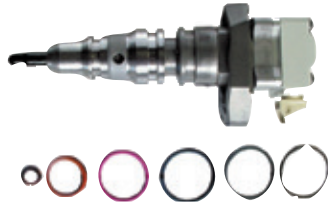
APPLICATION: F-250/F-350 1998-1999.5
 E Series 1997-1999.5

BOM: Fuel Injector
 Fuel Injector Assembly
 (1) Steel Split Ring
 (1) Large Square Back-up Ring
 (1) Large Thick O-Ring
 (1) Smaller Middle O-Ring
 (1) Small Lower O-Ring
 (1) Small Copper Washer
 Directions

CAST ID: 1822803C1 or 1825125C1

LETTER CODE: AB

Direct Injection (DI) Fuel Injectors (continued)



7.3L DIT MC

FORD SERVICE: F61Z-9VE527-ERM

MOTORCRAFT: CMR-2-RM

APPLICATION: F-250/F-350 1998-1999.5
E Series 1997-1999.5

BOM: Fuel Injector
Fuel Injector Assembly
(1) Steel Split Ring
(1) Large Square Back-up Ring
(1) Large Thick O-Ring
(1) Smaller Middle O-Ring
(1) Small Lower O-Ring
(1) Small Copper Washer
Directions

CAST ID: 1833641C1

NOTE: Cackle Fix used only in #8 cylinder TSB 03-21-39

FORD SERVICE: F4TZ-9VE527-AARM

MOTORCRAFT: FI-2-RM

APPLICATION: F-250/F-350 1994-1997
E Series 1995-1996

BOM: Fuel Injector
Fuel Injector Assembly
(1) Steel Split Ring
(1) Large Square Back-up Ring
(1) Large Thick O-Ring
(1) Smaller Middle O-Ring
(1) Small Lower O-Ring
(1) Small Copper Washer
Directions

CAST ID: 1816187C3 or 1821836C2

LETTER CODE: AA

Illustration Not Available

3.2L MC

FORD SERVICE: CK4Z-9E527-A

MOTORCRAFT: CN-6018

APPLICATION: Transit 2015

Indirect Injection (IDI) Fuel Injectors

IDENTIFICATION LOCATION

LETTER CODE



Note: To identify the correct injector for your engine application, use the letter code stamped on the side of the injector (see illustration).



7.3L IDIT MC

FORD SERVICE: 2C3Z-9VE527-ARM

MOTORCRAFT: CMR-3-RM

APPLICATION: F-250/F-350 1993-1994

BOM: Fuel Injector Assembly

LETTER CODE: G

7.3L IDI MC

FORD SERVICE: 2C3Z-9VE527-DRM

MOTORCRAFT: CMR-4-RM

APPLICATION: F-250/F-350 1992.5-1994
E Series 1992.5-1994

BOM: Fuel Injector Assembly

LETTER CODE: E

7.3L IDI MC

FORD SERVICE: 2C3Z-9VE527-ERM

MOTORCRAFT: CMR-5-RM

APPLICATION: F-250/F-350 1988-1992
E Series 1988-1992

BOM: Fuel Injector Assembly

LETTER CODE: C & D

6.9L / 7.3L IDI MC

FORD SERVICE: 2C3Z-9VE527-FRM

MOTORCRAFT: CMR-6-RM

APPLICATION: F-250/F-350 1984-1992
E Series 1984-1992

BOM: Fuel Injector Assembly

LETTER CODE: B & BB



ILLUSTRATIONS - ENGINE COMPONENTS

Fuel Injector Seal Kits

Illustration Not Available

6.7L	MC
FORD SERVICE: BC3Z-9229-A	
MOTORCRAFT: CM-5191	

APPLICATION: F-250/F-550 2011-2015
NOTE: For cylinders 1, 2, 7 & 8



6.0L/4.5L	MC
FORD SERVICE: 3C3Z-9229-AA	
MOTORCRAFT: CM-5055	

APPLICATION: F-250/F-550 2003-2007
 F-650/F-750 2003-2007
 Excursion 2003-2005
 E Series 2004-2010
 LCF 2006-2009

BOM: Combustion Gasket
 Electrical Connector O-Ring
 Lower Injector O-Ring
 Upper Injector O-Ring
 Injector Inlet D-Ring
 Injector Inlet Snap Ring
 Injector Inlet Ferrule

Illustration Not Available

6.7L	MC
FORD SERVICE: BC3Z-9229-B	
MOTORCRAFT: CM-5192	

APPLICATION: F-250/F-550 2011-2015
NOTE: For cylinders 3, 4, 5 & 6



7.3L DIT	MC
FORD SERVICE: XC3Z-9229-AB	
MOTORCRAFT: CM-5010	

APPLICATION: F-250/F-550 1994-2003
 F-650/F-750 2000-2003
 Excursion 2000-2003
 E Series 1995-2003

BOM: Steel Split Ring
 Large Square Back-up Ring
 Large Thick O-Ring
 Smaller Middle O-Ring
 Small Lower O-Ring
 Small Copper Washer
 Directions



6.4L	FORD
FORD SERVICE: 8C3Z-9229-A	

APPLICATION: F-250/F-550 2008-2010

BOM: Combustion Gasket
 Lower Injector O-Ring
 Rail to Injector Fuel Tube

Illustration Not Available

7.3L/6.9L IDI	MC
FORD SERVICE: E6TZ-9229-AB	
MOTORCRAFT: CM-5002	

APPLICATION: F-250/F-350 1983-1994
 E Series 1983-1994

BOM: (16) Injector O-Ring

NOTE: Includes IDIT engines

ILLUSTRATIONS - ENGINE COMPONENTS

High Pressure Injection Oil Pumps / Fuel Pumps (Direct Injection)

Illustration Not Available



6.7L	FORD
FORD SERVICE: FC3Z-9A543-A	
APPLICATION:	F-250/F-550 2015
BOM:	Pump Assembly Mounting Gasket



6.0L	FORD
FORD SERVICE: 5C3Z-9A543-ARM	
APPLICATION:	F-250/F-550 2005-2007 Excursion 2005 E-Series 2005-2010
BOM:	Pump Assembly Seal O-Ring
CAST ID:	5858R
NOTE:	Replaces 5C4Z-9A543-A, 5C4Z-9A543-B, 5C3Z-9A543-C



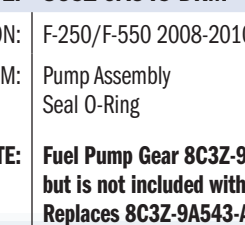
6.7L	FORD
FORD SERVICE: BC3Z-9A543-A	
APPLICATION:	F-250/F-550 2011-2014
BOM:	Pump Assembly Mounting Gasket



6.0L	FORD
FORD SERVICE: 5C4Z-9A543-ERM	
APPLICATION:	F-650/F-750 2005-2007
BOM:	High Pressure Injection Oil Pump High Pressure Pump Assembly O-Rings and Seals
NOTE:	Replaces 5C4Z-9A543-C, 5C4Z-9A543-D



6.4L	FORD
FORD SERVICE: 8C3Z-9A543-DRM	
APPLICATION:	F-250/F-550 2008-2010
BOM:	Pump Assembly Seal O-Ring
NOTE:	Fuel Pump Gear 8C3Z-9F589-A is pictured, but is not included with pump. Replaces 8C3Z-9A543-A, 8C3Z-9A543-B





ILLUSTRATIONS - ENGINE COMPONENTS

High Pressure Injection Oil Pumps / Fuel Pumps (continued)



6.0L **FORD**

FORD SERVICE: 4C3Z-9A543-AARM

APPLICATION: F-250/F-550 2004
Excursion 2004
E Series 2004

BOM: Pump Assembly
Seal #018
Seal #207
Seal O-Ring

CAST ID: 1057842H



7.3L DIT **FORD**

FORD SERVICE: F81Z-9A543-CRM

APPLICATION: F-250/F-550 1995.5-2003
F-650/F-750 2000-2003
E Series 1995.5-2003
Excursion 2000-2003

BOM: Pump Assembly
Flange
Gasket

7.3L DIT **MC**

FORD SERVICE: 5C3Z-9VA543-BRM

MOTORCRAFT: HPP-4-RM

APPLICATION: F-250/F-550 1998.5-1999.5
E Series 1998.5-1999.5

BOM: Pump Assembly
Flange
Gasket

NOTE: Replaces F81Z-9A543-BRM



6.0L **FORD**

FORD SERVICE: 3C3Z-9A543-AARM

APPLICATION: F-250/F-550 2003-2004
F-650/F-750 2003-2004
Excursion 2003-2004

BOM: Pump Assembly
Seal #018
Seal #207
Seal O-Ring

CAST ID: 828C9#

ILLUSTRATIONS - ENGINE COMPONENTS

High Pressure Injection Oil Pumps / Fuel Pumps (continued)

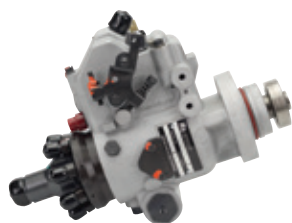


7.3L DIT		MC
FORD SERVICE: F6TZ-9VA543-ARM		
MOTORCRAFT: HPP-1-RM		
APPLICATION:	F-250/F-350 1996-1998.5 E Series 1996-1998.5	
BOM:	Pump Assembly Flange Gasket	
FORD SERVICE: F4TZ-9VA543-AARM		
MOTORCRAFT: OP-1-RM		
APPLICATION:	F-250/F-350 1994-1996 E Series 1995-1996	
BOM:	Pump Assembly Flange Gasket IPR valve	



4.5L		FORD
FORD SERVICE: 8E7Z-9A543-CRM		
APPLICATION:	LCF 2008-2009	
BOM:	High Pressure Injection Oil Pump High Pressure Pump Assembly O-Rings and Seals	
NOTE:	Replaces 8E7Z-9A543-AA, 8E7Z-9A543-B	
FORD SERVICE: 6E7Z-9A543-BRM		
APPLICATION:	LCF 2006-2007	
BOM:	Pump Assembly Seal O-Ring	
NOTE:	Replaces 6E7Z-9A543-AA, 8E7Z-9A543-A	

Illustration Not Available



IDENTIFICATION LOCATION

3.2L		FORD
FORD SERVICE: BK3Z-9A543-A		
APPLICATION:	Transit 2015	

7.3L/6.9L IDI		FORD
FORD SERVICE: F2TZ-9A543-A		
APPLICATION:	F-250/F-350 1992.5-1994 E Series 1992.5-1994	
BOM:	Pump	
CAST ID:	DB2-5013	



ILLUSTRATIONS - ENGINE COMPONENTS

Injection Pressure Regulator (IPR) Valves



6.0L/4.5L	MC
FORD SERVICE: 5C3Z-9C968-CA	
MOTORCRAFT: CM-5126	
APPLICATION:	F-250/F-550 2005-2007 F-650/F-750 2005-2007 Excursion 2005 E Series 2005-2010 LCF 2006-2009



7.3L DIT	MC
FORD SERVICE: 2C3Z-9C968-BA	
MOTORCRAFT: CM-5112	
APPLICATION:	F-250/F-550 1996-1998.5 E Series 1996-1998.5



6.0L	MC
FORD SERVICE: 3C3Z-9C968-AA	
MOTORCRAFT: CM-5054	
APPLICATION:	F-250/F-550 2003-2004 F-650/F-750 2003-2004 Excursion 2003-2004 E Series 2004



7.3L DIT	MC
FORD SERVICE: F81Z-9C968-AB	
MOTORCRAFT: CM-5013	
APPLICATION:	F-250/F-550 1994-1996, 1998.5-2003 F-650/F-750 2000-2003 Excursion 2000-2003 E Series 1995-1996, 1998.5-2004

Fuel Pressure Regulator

Illustration Not Available

6.7L	MC
FORD SERVICE: BC3Z-9C968-A	
MOTORCRAFT: CM-5185	
APPLICATION:	F-250/F-550 2011-2015

ILLUSTRATIONS - ENGINE COMPONENTS

Oil Cooler Kits



6.7L **FORD**

FORD SERVICE: BC3Z-6A642-B

APPLICATION: F-250/F-550 2011-2015



6.9L/7.3L IDI & IDIT **MC**

FORD SERVICE: XU2Z-6VA642-AARM

MOTORCRAFT: OC-1-RM

APPLICATION: F-250/F-350 1983-1994
E Series 1983-1994

BOM: Oil Cooler Body
Oil Cooler Assembly
(2) Thick O-Rings
(2) Thin O-Rings
Directions

CAST ID: 1816626C1

NOTE: Only the cooler body is included and not the oil cooler headers



6.4L **FORD**

FORD SERVICE: 8C3Z-6A642-A

APPLICATION: F-250/F-550 2008-2010
BOM: Oil Cooler Assembly with Cover



6.0L **FORD**

FORD SERVICE: 3C3Z-6A642-CA

APPLICATION: F-250/F-550 2003-2007
F-650/F-750 2003-2007
Excursion 2003-2005
E Series 2004-2010
BOM: (1) Coolant Inlet Gasket
(1) EGR Coolant Supply Cover Seal
(1) Oil Cooler
(1) Reservoir Cover Gasket
(1) Oil Filter Mount Gasket
(1) O-Ring (Threaded Insert, Orange)
(1) O-Ring Seal, Size 241
(1) O-Ring, Size 112
(2) O-Ring, Size 218
(2) O-Ring, Size 317
(2) O-Ring, Size 319
(1) Pump Inlet Strainer
(1) Instruction Sheet

Illustration Not Available

3.2L **FORD**

FORD SERVICE: BK3Z-6881-A

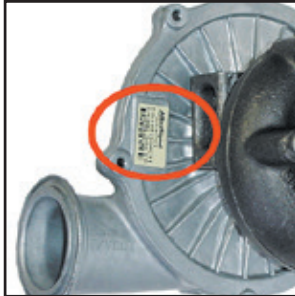
APPLICATION: Transit 2015

Turbochargers

IDENTIFICATION LOCATIONS



On the compressor housing.



On the backing plate.



6.7L	FORD
FORD SERVICE:	BC3Z-6K682-B
APPLICATION:	F-350/F-550 2011-2015
BOM:	Turbocharger Assembly Actuator Wastegate Mounting Hardware
NOTE:	Narrow Frame - Chassis Cab

Illustration Not Available

6.7L	FORD
FORD SERVICE:	FC3Z-6K682-A
APPLICATION:	F-250/F-450 2015
BOM:	Turbocharger Assembly Actuator Wastegate Mounting Hardware
NOTE:	Wide Frame (Pickup)



6.4L (Low Pressure)	FORD
FORD SERVICE:	8C3Z-6K682-AARM
APPLICATION:	F-250/F-550 2008-2010
BOM:	Turbocharger Assembly (LP)



6.7L	FORD
FORD SERVICE:	BC3Z-6K682-A
APPLICATION:	F-250/F-450 2011-2014
BOM:	Turbocharger Assembly Actuator Wastegate Mounting Hardware
NOTE:	Wide Frame - Pickup Chassis



6.4L (High Pressure)	FORD
FORD SERVICE:	8C3Z-6K682-BARM
APPLICATION:	F-250/F-550 2008-2010
BOM:	Turbocharger Assembly (HP)

Turbochargers (continued)



6.4L (Dual Stage) **FORD**
FORD SERVICE: 8C3Z-6K682-CRM

APPLICATION: F-250/F-550 2008-2010
 BOM: Low Pressure Turbocharger
 High Pressure Turbocharger
 Gaskets
 Oil Feed Line
 Drain Tube



6.0L **FORD**
FORD SERVICE: 5C3Z-6K682-CCRM

APPLICATION: F-250/F-550 2005-2007
 E Series 2005-2010
 Excursion 2005
 BOM: Turbocharger Assembly
 Mounting Kit
 Heat Shield
 (2) Bolt Heat Shield
NOTE: Replaces 5C3Z-6K682-AA, 5C3Z-6K682-BA, 5C3Z-6K682-CA, 5C3Z-6K682-DA, 5C3Z-6K682-A & 5C3Z-6K682-CARM. Solenoid valve is pictured but is sold separately.



6.0L **FORD**
FORD SERVICE: 5C4Z-6K682-BRM

APPLICATION: F-650/F-750 2005-2007
 BOM: Turbocharger Assembly
 Turbocharger Mounting Kit
 Heat Shield
 (2) Bolt Heat Shield
NOTE: Replaces 5C4Z-6K682-AA, 5C4Z-6K682-BA



6.0L **FORD**
FORD SERVICE: 4C4Z-6K682-ARM

APPLICATION: F-650/F-750 2003-2004
 BOM: Turbocharger Assembly
 Mounting Kit
 Heat Shield
 (2) Bolt Heat Shield
 CAST ID: 1837985C9#
NOTE: Replaces 4C4Z-6K682-AARM & 4C4Z-6K682-A



ILLUSTRATIONS - ENGINE COMPONENTS

Turbochargers (continued)



6.0L **FORD**
FORD SERVICE: 4C3Z-6K682-CDRM

APPLICATION: F-250/F-550, Excursion, E Series 2004

BOM: Turbocharger Assembly
 Mounting Kit
 Heat Shield
 (2) Bolt Heat Shield

CAST ID: 1843761C93

NOTE: 13 blades on turbine wheel (see inset).
 Replaces 4C3Z-6K682-AARM,
 4C3Z-6K682-BA, 4C3Z-6K682-ARM,
 4C3Z-6K682-CBRM & 4C3Z-6K682-CCRM
 Solenoid valve is pictured but is
 sold separately.

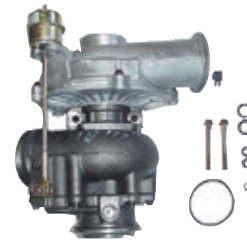
7.3L DIT **FORD**
FORD SERVICE: XC2Z-6K682-AARM

APPLICATION: E Series 1999.5-2003

BOM: Turbocharger Assembly
 (1) Larger Thick O-Rings
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 (1) Small Thin O-Rings
 (1) Smaller Thin O-Rings
 (2) M10-1.5 X 80mm
 (1) Clip
 (1) Small Snap Ring/Clip

CAST ID: 1831458Cal/710134-0002

NOTE: EBP Gate, Large Base; No Wastegate
 included. Wastegate Mount on
 Compressor side



6.0L **FORD**
FORD SERVICE: 3C3Z-6K682-CCRM

APPLICATION: F-250/F-550
 Excursion 2003-2004

BOM: Turbocharger Assembly
 Mounting Kit
 Heat Shield
 (3) Bolt Heat Shield

CAST ID: 1837984C9#

NOTE: 10 blades on turbine wheel.
 Replaces 3C3Z-6K682-AARM,
 3C3Z-6K682-BARM & 3C3Z-6K682-CBRM
 Solenoid valve is pictured but is
 sold separately.

7.3L DIT **FORD**
FORD SERVICE: F81Z-6K682-BARM

APPLICATION: F-250/F-350 w/EBP Valve 1999.5-2003
 Excursion w/EBP Valve 2000-2003

BOM: Turbocharger Assembly
 (2) Larger Thick O-Rings
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 (1) Small Thin O-Rings
 (1) Smaller Thin O-Rings
 (2) M10-1.5 X 80mm
 (1) Clip
 (1) Small Snap Ring/Clip

CAST ID: 1831457C91/702014-0009

NOTE: Includes Wastegate, EBP Valve,
 and Large Base

NOTE: EBP = Exhaust Back Pressure

ILLUSTRATIONS - ENGINE COMPONENTS

Turbochargers (continued)



7.3L DIT **FORD**

FORD SERVICE: YC3Z-6K682-AARM

APPLICATION: F-650/F-750 2000-2003

- BOM: Turbocharger Assembly
 (1) Larger Thick O-Ring
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 (1) Small Thin O-Ring
 (1) Smaller Thin O-Ring
 (2) M10-1.5 X 80mm
 (1) Orange Gasket
 (1) Clip
 (1) Small Snap Ring/Clip

CAST ID: 1833545C91/466785-0003



7.3L DIT **MC**

FORD SERVICE: 5C3Z-6V682-BRM

MOTORCRAFT: TC-4-RM

APPLICATION: E Series 1998.5-1999.5

- BOM: Turbocharger Assembly
 (7) M8-1.25 X 20mm
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 Orange Gasket
 (1) Clip
 (1) Small Snap Ring/Clip

CAST ID: 991967C91/471131-0006

NOTE: No Wastegate included w/o EBP Gate.
 Replaces F8UZ-6K682-AARM



7.3L DIT **FORD**

FORD SERVICE: F81Z-6K682-CARM

APPLICATION: F-250/F-350 w/o EBP Valve 1999.5

- BOM: Turbocharger Assembly
 (2) Larger Thick O-Rings
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 (1) Small Thin O-Rings
 (1) Smaller Thin O-Rings
 (2) M10-1.5 X 80mm
 (1) Clip
 (1) Small Snap Ring/Clip

CAST ID: 1831660C91/710134-0009

NOTE: Includes Wastegate and
 Large Base w/o EBP Valve



7.3L DIT **MC**

FORD SERVICE: 5C3Z-6V682-ARM

MOTORCRAFT: TC-3-RM

APPLICATION: F-250/F-550 1998.5-1999.5

- BOM: Turbocharger Assembly
 (2) Large Thick O-Rings
 (2) Small Thick O-Rings
 (1) Orange Gasket
 (7) Mi-1.25 X 20mm
 (1) Clip

CAST ID: 991966C91/471128-0009

NOTE: Includes Wastegate and
 Large Base w/o EBP Valve.
 Replaces F81Z-6K682-AARM

NOTE: EBP = Exhaust Back Pressure



ILLUSTRATIONS - ENGINE COMPONENTS

Turbochargers (continued)



7.3L DIT	MC
FORD SERVICE:	F4TZ-6VK682-CARM
MOTORCRAFT:	TC-2-RM

APPLICATION: F-250/F-350 1994-1998.5
E Series 1994-1998.5

BOM: Turbocharger Assembly
(1) Large Thick O-Rings
(1) Small Thick O-Rings
(1) Large Thin O-Rings
(2) M6-1.0 X 12mm
(11) M8-1.25 X 20mm
(1) Large Thick O-Rings
(1) Small Thick O-Rings
(1) M6-1.0 X 12mm
(3) M8-1.25 X 20mm
(1) Exhaust Outlet Gasket
(4) M8-1.25 X 50mm
(2) M8-1.25 X Nuts
(1) Orange Gasket
(1) Large Thick O-Rings
(1) Small Thick O-Rings

CAST ID: 991934Cal/468485-0004



7.3L IDIT	MC
FORD SERVICE:	F4TZ-6VK682-BARM
MOTORCRAFT:	TC-1-RM

APPLICATION: F Series 1993-1994

BOM: Turbocharger Assembly
(1) Gasket, Exhaust

CAST ID: 991934Cal/468485-0004



4.5L	FORD
FORD SERVICE:	8E7Z-6K682-A
APPLICATION:	LCF 2008-2009
BOM:	Dual Turbocharger Assembly Mounting Kit
NOTE:	Replaces 8E7Z-6K682-AA



4.5L	FORD
FORD SERVICE:	6E7Z-6K682-A
APPLICATION:	LCF 2006-2007
BOM:	Dual Turbocharger Assembly Mounting Kit
NOTE:	Replaces 6E7Z-6K682-AA, 6E7Z-6K682-AB

Illustration Not Available

3.2L	FORD
FORD SERVICE:	BK3Z-6K682-A
APPLICATION:	Transit 2015

NOTE: EBP = Exhaust Back Pressure

ILLUSTRATIONS - ENGINE COMPONENTS



Turbocharger, Actuators

Illustration Not Available

6.7L	FORD
FORD SERVICE: FC3Z-6F089-A	
APPLICATION:	F-250/F-450 2015
NOTE:	Wide Frame (Pickup)

Illustration Not Available

6.7L	FORD
FORD SERVICE: BC3Z-6F089-A	
APPLICATION:	F-250/F-450 2011-2014 F-350/F-550 2011-2015



6.4L	FORD
FORD SERVICE: 8C3Z-9J559-ARM	
APPLICATION:	F-250/F-550 2008-2010



6.0L	FORD
FORD SERVICE: 5C3Z-9F089-BA	
APPLICATION:	F-250/F-550 2003-2007 F-650/F-750 2003-2007 Excursion 2003-2005 E Series 2004-2010

Turbocharger, Center Housing Rotating Assembly (CHRA) Kits



6.0L	FORD
FORD SERVICE: 5C3Z-9G489-ACRM	
APPLICATION:	F-250/F-550 2005-2007 E Series 2005-2010 Excursion 2005
BOM:	Center Housing Rotating Assembly Turbocharger Mounting Kit Instructions
NOTE:	Replaces 5C3Z-9G489-AARM

FORD SERVICE: 4C3Z-9G489-ACRM	
APPLICATION:	F-250/F-550 2004 E Series 2004 Excursion 2004
BOM:	Center Housing Rotating Assembly Turbocharger Mounting Kit Instructions
NOTE:	Replaces 4C3Z-9G489-AARM



ILLUSTRATIONS - ENGINE COMPONENTS

Turbocharger, Center Housing Rotating Assembly (CHRA) Kits (continued)

Clamp Version



6.0L **FORD**
FORD SERVICE: 3C3Z-9G489-ABRM

APPLICATION: Excursion 2003-2004
F-250/F-550 2003-2004

BOM: Center Housing Rotating Assembly
Turbocharger Mounting Kit
Instructions

NOTE: **Compressor Housing Clamp Version**
Replaces 3C3Z-9G489-AARM

Bolt Version



6.0L **FORD**
FORD SERVICE: 3C3Z-9G489-BBRM

APPLICATION: Excursion 2003-2004
F-250/F-550 2003-2004

BOM: Center Housing Rotating Assembly
Turbocharger Mounting Kit
Instructions

NOTE: **Compressor Housing Bolt Version**
Replaces 3C3Z-9G489-BARM

Turbocharger, Unison Rings



6.0L **FORD**
FORD SERVICE: 3C3Z-6C885-A

APPLICATION: F-250/F-550 2003-2007
Excursion 2003-2005
E Series 2004-2010



6.0L **FORD**
FORD SERVICE: 4C4Z-6C885-A

APPLICATION: F-650/F-750 2003-2007

ILLUSTRATIONS - ENGINE COMPONENTS



Turbocharger Engine Back Pressure (EBP) Valves



7.3L DIT **FORD**

FORD SERVICE: 2C3Z-6N696-AA

APPLICATION: F-250/F-550 1999.5-2003
Excursion 2000-2003

BOM: EBP Valve
Seal and Bolt Kit



7.3L DIT **FORD**

FORD SERVICE: 2C2Z-6N696-AA

APPLICATION: E Series 1999.5-2003

BOM: EBP Valve
Seal and Bolt Kit



7.3L DIT **FORD**

FORD SERVICE: F81Z-6N696-AA

APPLICATION: F-250/F-550 1998.5-1999.5

BOM: EBP Valve
Seal Kit
EBP Clip

NOTE: EBP = Exhaust Back Pressure

Turbocharger Engine Back Pressure Valve (EBPV) Solenoids



7.3L **FORD**

FORD SERVICE: F81Z-6C673-BA

APPLICATION: F-250/F-550 1998.5-2003
F-650/F-750 2000-2003
Excursion 2000-2003
E Series 1998.5-2003

BOM: EBPV Solenoid
Bracket Kit

NOTE: Base solenoid is located on the turbocharger pedestal.



7.3L/4.5L DIT **FORD**

FORD SERVICE: F81Z-6C673-AA

APPLICATION: F-250/F-550 1998.5-2003
F-650/F-750 2000-2003
Excursion 2000-2003
E Series 1998.5-2003
LCF 2006 - 2009

BOM: EBPV Solenoid
Bracket
Hold Down Bolt

NOTE: Top solenoid is located on top of turbocharger next to air heater on 7.3L.



7.3L DIT **FORD**

FORD SERVICE: F51Z-6C673-A

APPLICATION: F-250/F-550 1994-1998.5
E Series 1995-1998.5

BOM: EBPV Solenoid
Bracket
Hold Down Bolt

NOTE: Single solenoid located on turbocharger pedestal.



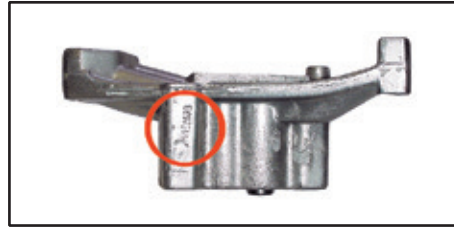
ILLUSTRATIONS - ENGINE COMPONENTS

Turbocharger Pedestals

IDENTIFICATION LOCATIONS

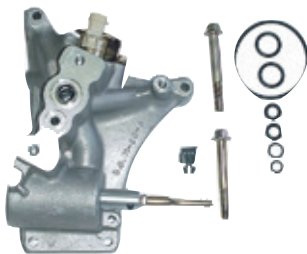


with EBP



no EBP

Note: Only 7.3L DIT turbochargers require a turbo pedestal.



7.3L DIT **FORD**

FORD SERVICE: F81Z-6N639-CARM

APPLICATION: F-250/F-550 1999.5-2003
E Series 1999.5-2003
Excursion 2000-2003
w/EBP Valve

BOM: Pedestal Assembly
(2) M10-1.5 X 80mm
(1) Large Thicker O-Ring
(2) Large Thick O-Rings
(2) Smaller Thick O-Rings
(1) Small Thin O-Rings
(1) Smaller Thin O-Ring
(1) Small Snap Ring/Clip
(1) Clip
(1) Turbine Gasket

NOTE: Taller height; EBP Actuator included

7.3L DIT **FORD**

FORD SERVICE: YC3Z-6N639-AARM

APPLICATION: F-650/F-750 2000-2003

BOM: Pedestal Assembly
(1) Seal Turbo Pressure
(1) Seal Turbo Drain
(1) Seal Compressor Outlet
(1) Seal Exhaust Inlet

CAST ID: 1833545C91

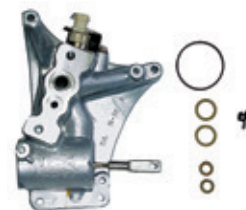
NOTE: EBP Actuator included

ILLUSTRATIONS - ENGINE COMPONENTS

Turbocharger Pedestals (continued)



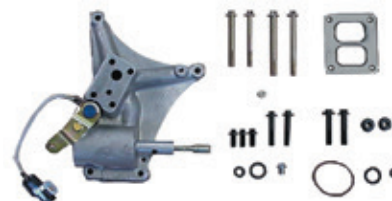
7.3L DIT		FORD
FORD SERVICE: F81Z-6N639-DARM		
APPLICATION:	F-250/F-550 1999.5 E Series 1999.5 w/o EBP Valve	
BOM:	Pedestal Assembly (2) M10-1.5 X 80mm (1) Larger Thick O-Ring (2) Large Thick O-Rings (2) Small Thick O-Rings (1) Small Thin O-Ring (1) Smaller Thin O-Ring (1) Small Snap Ring/Clip (1) Clip	
CAST ID:	183166Cal/702670-5002	
NOTE:	Taller height; w/o EBP device	



7.3L DIT		MC
FORD SERVICE: 5C3Z-6V639-ARM		
MOTORCRAFT: PTC-3-RM		
APPLICATION:	F-250/F-550 1998.5-1999.5 E Series 1998.5-1999.5 w/EBP Valve	
BOM:	Pedestal Assembly Orange Gasket (2) Large Thick O-Rings (2) Small Thick O-Rings Clip Turbine Gasket	
NOTE:	Shorter height; w/ EBP device Replaces: F81Z-6N639-AARM	



7.3L DIT		MC
FORD SERVICE: 5C3Z-6V639-BRM		
MOTORCRAFT: PTC-5-RM		
APPLICATION:	F-250/F-550 1998.5-1999.5 w/o EBP Valve	
BOM:	Pedestal Assembly (1) Orange Gasket (2) Large Thick O-Rings (2) Small Thick O-Rings	
NOTE:	Taller height No EBP Actuator included Replaces: F81Z-6N639-BARM	

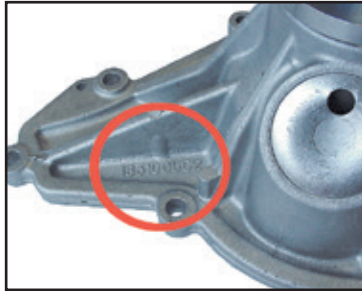


7.3L DIT		MC
FORD SERVICE: F4TZ-6VN639-AARM		
MOTORCRAFT: PTC-2-RM		
APPLICATION:	F-250/F-350 1994-1998.5 E Series 1995-1998.5 w/EBP Valve	
BOM:	Pedestal Assembly (2) M8-1.25 X 100mm (2) M8-1.25 X 85mm (2) M8-1.25 X 50mm (2) M8-1.25 X 20mm (1) M6-1.00 X 12mm (2) M8-1.25 X 50mm (1) M6-1.00 Nut (2) M10-1.00 Nuts (1) Large Brown O-Rings (2) Small Thick O-Rings (2) Smaller Thick O-Rings (1) Turbine Gasket	
CAST ID:	1833545C91/468492-9001	
NOTE:	EBP Actuator included	

NOTE: EBP = Exhaust Back Pressure

Water Pumps

IDENTIFICATION LOCATIONS



1U2Z-8V501-CA
2C3Z-8V501-BA
F81Z-8501-FA



YC3Z-8501-CA



XU2Z-8501-EA



6.7L (Primary)	MC
FORD SERVICE: BC3Z-8501-A	
MOTORCRAFT: PW-502	
APPLICATION:	F-250/F-550 2011-2015
BOM:	Pump Assembly Pulley Gasket



6.7L (Secondary - Remote)	MC
FORD SERVICE: BC3Z-8501-C	
MOTORCRAFT: PW-504	
APPLICATION:	F-250/F-550 2011-2015
BOM:	Pump Assembly Pulley Gasket
NOTE:	Low Temp Cooling System w/ Single Alternator



6.7L (Secondary - Remote)	MC
FORD SERVICE: BC3Z-8501-B	
MOTORCRAFT: PW-503	
APPLICATION:	F-250/F-550 2011-2015
BOM:	Pump Assembly Pulley Gasket
NOTE:	Low Temp Cooling System w/ Dual HD Alternators



6.4L	MC
FORD SERVICE: 8C3Z-8501-B	
MOTORCRAFT: PW-482	
APPLICATION:	F-250/F-550 2008-2010
BOM:	Pump Assembly Seal O-Ring

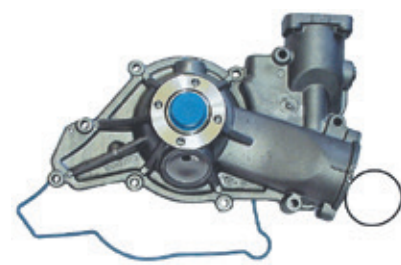
ILLUSTRATIONS - ENGINE COMPONENTS

Water Pumps (continued)



6.0L	MC
FORD SERVICE: 5C4Z-8501-AA	
MOTORCRAFT: PW-450	
APPLICATION:	F-650/F-750 2003-2007
BOM:	Pump Assembly Seal O-Ring
NOTE:	Cast Steel Replaces Reman 5C4Z-8501-AARM, 4C4Z-8501-AARM; New 4C4Z-8501-AA, PW-432

6.0L	MC
FORD SERVICE: 3C3Z-8501-A	
MOTORCRAFT: PW-480	
APPLICATION:	F-250/F-550 2003-2004 Excursion 2003-2004
BOM:	Pump Assembly Seal O-Ring
NOTE:	Replaces Reman 3C3Z-8501-ABRM



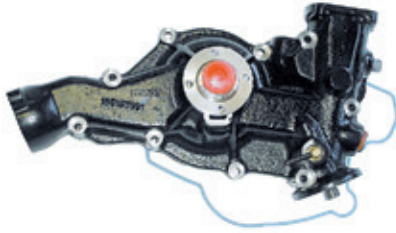
6.0L/4.5L	MC
FORD SERVICE: 4C3Z-8501-AC	
MOTORCRAFT: PW-491	
APPLICATION:	F-250/F-550 2004-2007 Excursion 2004-2005 E Series 2004-2010 LCF 2006-2009
BOM:	Pump Assembly Seal O-Ring
CAST ID:	wp0000283751/spn10528
NOTE:	Replaces Reman 4C3Z-8501-ABRM

7.3L DIT	MC
FORD SERVICE: F81Z-8501-FA	
MOTORCRAFT: PW-455	
APPLICATION:	F-250/F-550 1998.5-2003 E Series 1998.5-2003 Excursion 2000-2003
BOM:	Pump Assembly Mounting Gasket Inlet O-Ring Gasket
CAST ID:	1831005C22
NOTE:	Die-Cast Aluminum w/o Elbow Deep Well Thermostat Housing New Weephole Style Replaces Reman F81Z-8501-ARM



ILLUSTRATIONS - ENGINE COMPONENTS

Water Pumps (continued)



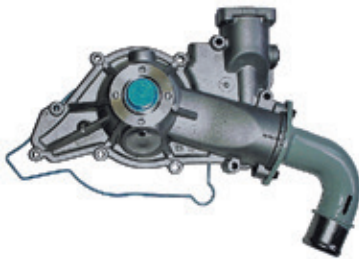
7.3L DIT	MC
FORD SERVICE:	YC3Z-8501-CA
MOTORCRAFT:	PW-456

APPLICATION: F-650/F-750 2000-2003
 BOM: Pump Assembly
 Mounting Gasket
 CAST ID: 1831576C1
NOTE: Cast Iron with Spin-on type Filter Head
 Replaces Reman YC3Z-8501-AARM



7.3L DIT	MC
FORD SERVICE:	1U2Z-8V501-CA
MOTORCRAFT:	PWR-2

APPLICATION: F-250/F-350 1994-1996
 E Series 1994-1996
 with one-piece Inlet Tube
 BOM: Pump Assembly
 Mounting Gasket
 (3) M8X110mm
 (4) M8X12mm
 CAST ID: 1822823C1 or 1818182C3
NOTE: Cast Aluminum with Cast Elbow, or Aluminum
 Pump, Small Bearing, with Two-Piece Inlet
 Tube Old Weep Hole Style
 Replaces F5TZ-8501-CRM (1994) Aluminum
 Pump with Two-Piece Inlet Tube and
 F4TZ-8V501-AARM Reman Water Pumps



7.3L DIT	MC
FORD SERVICE:	2C3Z-8V501-BA
MOTORCRAFT:	PWR-3

APPLICATION: F-250/F-550 1996-1998.5
 E Series 1996-1998.5
 with one or two piece Inlet Tube
 BOM: Pump Assembly
 Mounting Gasket
 CAST ID: 1823423C2
 1823611C2
NOTE: Die-Cast Aluminum with a Steel Elbow
 Deep Well Thermostat Housing.
 Replaces Reman F6TZ-8V501-AARM
 and F7TZ-8501-CRM



6.9L IDI / 7.3L IDI & IDIT	MC
FORD SERVICE:	XU2Z-8501-EA
MOTORCRAFT:	PW-454

APPLICATION: F-250/F-350 1983-1994
 E Series 1983-1994
 BOM: Pump Assembly
 Mounting Gasket
 (2) Bolts 5/16-18 X 1.5
 CAST ID: EI500
NOTE: Cast Iron
 Replaces Reman XU2Z-8V501-AARM

Illustration Not Available

3.2L	MC
FORD SERVICE:	BK3Z-8501-B
MOTORCRAFT:	PW-560

APPLICATION: Transit 2015

ILLUSTRATIONS - SENSORS

Camshaft Position Sensors (CMP)

Illustration Not Available



6.7L	MC
FORD SERVICE: BC3Z-12K073-A	
MOTORCRAFT: DU-92	
APPLICATION:	F-250/F-550 2011-2015

7.3L DIT	FORD
FORD SERVICE: F7TZ-12K073-B	
APPLICATION:	F-250/F-550 1997-2003 F-650/F-750 2000-2003 E Series 1997-2003 Excursion 2000-2003
NOTE:	Replaces F7TZ-12K073-A



6.4L/6.0L	MC
FORD SERVICE: 8C3Z-12K073-A	
MOTORCRAFT: DU-88	
APPLICATION:	F-250/F-550 2003-2010 Excursion 2003-2005 F-650/F-750 2003-2007 E Series 2004-2010
NOTE:	Replaces 3C3Z-12K073-AA



7.3L DIT	MC
FORD SERVICE: F4TZ-12K073-C	
MOTORCRAFT: DU-87	
APPLICATION:	F-250/F-550, 1994-1996 E Series 1994-1996
NOTE:	Replaces 4C4Z-12K073-AB

Illustration Not Available

3.2L	FORD
FORD SERVICE: 6C1Z-6B288-A	
APPLICATION:	Transit 2015



ILLUSTRATIONS - SENSORS

Crankshaft Position Sensors

Illustration Not Available

6.7L	MC
FORD SERVICE: BC3Z-6C315-A	
MOTORCRAFT: DY-1148	
APPLICATION: F-250/F-550 2011-2015	



6.4L/6.0L	MC
FORD SERVICE: 3C3Z-6C315-AA	
MOTORCRAFT: DY-985	
APPLICATION: F-250/F-550 2003-2010 F-650/F-750 2003-2007 E Series 2004-2010 Excursion 2003-2005	

Illustration Not Available

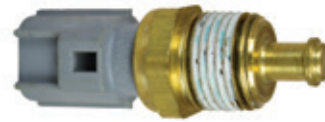
3.2L	MC
FORD SERVICE: BK2Z-6C315-A	
MOTORCRAFT: DY-1279	
APPLICATION: Transit 2015	

EGR Pressure Sensors



6.7L	MC
FORD SERVICE: BC3Z-9J460-C	
MOTORCRAFT: DPFE-20	
APPLICATION: F-250/F-550 2011-2015	

Engine Coolant Temperature Sensors



6.7L	MC
FORD SERVICE: 3F1Z-12A648-A	
MOTORCRAFT: DY-1144	
APPLICATION: F-250/F-550 2011-2015	

Illustration Not Available

3.2L	MC
FORD SERVICE: 7M5Z-12A648-B	
MOTORCRAFT: DY-1194	
APPLICATION: Transit 2015	

ILLUSTRATIONS - SENSORS



Engine Oil Pressure Sender/Sensors

Engine Oil Temperature Sensors (EOT)



6.7L	MC
FORD SERVICE: 6U5Z-9278-D	
MOTORCRAFT: SW-6357	
APPLICATION: F-250/F-550 2011-2015	



6.7L	MC
FORD SERVICE: 3F1Z-12A648-A	
MOTORCRAFT: DY-1144	
APPLICATION: F-250/F-550 2011-2015	



6.4L/6.0L/7.3L DIT	MC
FORD SERVICE: F81Z-9278-AA	
MOTORCRAFT: SW-5267	
APPLICATION: F-250/F-550 1994-2010 Excursion 2000-2005 F-650/F-750 2000-2007 E Series 1995-2010	



6.4L/6.0L	MC
FORD SERVICE: 3C3Z-10884-AA	
MOTORCRAFT: SW-6052	
APPLICATION: F-250/F-550 2004-2010 Excursion 2004-2005 F-650/F-750 2003-2006 E Series 2004-2010	

Illustration Not Available

3.2L	FORD
FORD SERVICE: 3S7Z-9278-A	
APPLICATION: Transit 2015	



7.3L DIT	FORD
FORD SERVICE: F5AZ-12A648-AB	
APPLICATION: F-250/F-550 1994-2003 F-650/F-750 2000-2003 Excursion 2000-2003 E Series 1995-2003	



ILLUSTRATIONS - SENSORS

Exhaust Back Pressure Sensors (EBP)

Illustration Not Available

6.7L **MC**

FORD SERVICE: DC3Z-9J460-D

MOTORCRAFT: DPFE-24

APPLICATION: F-250/F-450 2013-2015

NOTE: Wide (Pickup) Rear



6.7L (Front) **MC**

FORD SERVICE: BC3Z-9J460-D

MOTORCRAFT: DPFE-21

APPLICATION: F-250/F-450 2011-2015

NOTE: Located in DPF (Wide Frame)

Illustration Not Available

6.7L **MC**

FORD SERVICE: DC3Z-9J460-E

MOTORCRAFT: DPFE-25

APPLICATION: F-350/F-550 2013-2015

NOTE: Narrow Frame (Chassis Cab) Rear - Crew/Super Cab



6.4L **MC**

FORD SERVICE: 8C3Z-9J460-A

MOTORCRAFT: DPFE-8

APPLICATION: F-250/F-550 2008-2010

Illustration Not Available

6.7L **MC**

FORD SERVICE: DC3Z-9J460-F

MOTORCRAFT: DPFE-26

APPLICATION: F-350/F-550 2013-2015

NOTE: Narrow Frame (Chassis Cab) Rear - Regular Cab



6.0L **MC**

FORD SERVICE: 5C3Z-9J460-B

MOTORCRAFT: DPFE-6

APPLICATION: F-250/F-550 2005-2007
Excursion 2005
F-650/F-750 2003-2007
E Series 2005-2010



6.7L (Front) **MC**

FORD SERVICE: BC3Z-9J460-E

MOTORCRAFT: DPFE-22

APPLICATION: F-350/F-550 2011-2015

NOTE: Located in DPF (Narrow Frame)



6.0L/7.3L DIT **MC**

FORD SERVICE: 4C3Z-9J460-A

MOTORCRAFT: DPFE-3

APPLICATION: F-250/F-550 1995-2004
F-650/F-750 2000-2003
E Series 1995-2004
Excursion 2000-2004

ILLUSTRATIONS - SENSORS



Exhaust Back Pressure Sensors (EBP) (continued)



4.5L	MC
FORD SERVICE: 7E7Z-9J460-AA	
MOTORCRAFT: DPFE-7	
APPLICATION: LCF 2006-2009	

Injection Control Pressure Sensors (ICP)



6.0L	FORD
FORD SERVICE: 4C3Z-9F838-A	
APPLICATION: F-250/F-550 2003-2007 F-650/F-750 2003-2007 E Series 2004-2010 Excursion 2003-2005	
NOTE: Replaces 4C3Z-9F838-AB	

Fuel Injection Control Sensors



6.7L	FORD
FORD SERVICE: BC3Z-9F838-A	
APPLICATION: F-250/F-550 2011-2015	



6.0L	FORD
FORD SERVICE: 3C3Z-9F838-EA	
APPLICATION: F-250/F-550 2003-2004 Excursion 2003-2004	

Fuel Rail Pressure Sensors



6.4L	FORD
FORD SERVICE: 8C3Z-9G756-A	
APPLICATION: F-250/F-550 2008-2010	



7.3L DIT	FORD
FORD SERVICE: F6TZ-9F838-A	
APPLICATION: F-250/F-550 1999-2003 F-650/F-750 2000-2003 E Series 1995-2003 Excursion 2000-2003	



7.3L DIT	FORD
FORD SERVICE: F4TZ-9F838-A	
APPLICATION: F-250/F-350 1994-1998.5	



ILLUSTRATIONS - SENSORS

Intake Air Temperature Sensors



6.7L	MC
FORD SERVICE: 4R8Z-12A697-A	
MOTORCRAFT: DY-1146	
APPLICATION: F-250/F-550 2015	

Illustration Not Available

3.2L	FORD
FORD SERVICE: 9C1Z-12A697-C	
APPLICATION: Transit 2015	

Manifold Air Temperature Sensors



6.4L	MC
FORD SERVICE: 8C3Z-12A697-B	
MOTORCRAFT: DY-1112	
APPLICATION: F-250/F-550 2008-2010	



6.0L	MC
FORD SERVICE: 3C3Z-12A697-AA	
MOTORCRAFT: DY-984	
APPLICATION: F-250/F-550 2003-2007 Excursion 2003-2005 F-650/F-750 2003-2007 E Series 2004-2010	

Water Temperature Sensors



6.4L / 6.0L	MC
FORD SERVICE: 3C3Z-10884-AA	
MOTORCRAFT: SW-6052	
APPLICATION: F-250/F-550 2004-2010 Excursion 2004-2005 F-650/F-750 2003-2007 E Series 2004-2010	



7.3L DIT	MC
FORD SERVICE: 4C4Z-10884-AA	
MOTORCRAFT: SW-6079	
APPLICATION: F-250/F-550 1994-2003 F-650/F-750 2000-2003 Excursion 2000-2003 E Series 1995-2003	

ILLUSTRATIONS - MAINTENANCE

Diesel Emissions Fluid (DEF)



6.7L/3.2L

MC

MOTORCRAFT: PM-27-G

APPLICATION: F-250/F-550 2011-2015
Transit 2015

NOTE: **1 Gallon**
1 Nozzle per bottle



6.7L/3.2L

MC

MOTORCRAFT: PM-27-D

APPLICATION: F-250/F-550 2011-2015
Transit 2015

NOTE: **55 Gallon Drum**



6.7L/3.2L

MC

MOTORCRAFT: PM-27-J

APPLICATION: F-250/F-550 2011-2015
Transit 2015

NOTE: **2.5 Gallons**
1 Nozzle per bottle



6.7L/3.2L

MC

MOTORCRAFT: PM-27-T

APPLICATION: F-250/F-550 2011-2015
Transit 2015

NOTE: **275 Gallon Tote**



ILLUSTRATIONS - MAINTENANCE

Air Filters



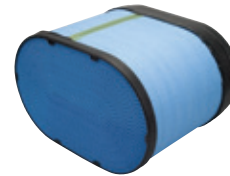
6.7L (Primary)	MC
FORD SERVICE: BC3Z-9601-A	
MOTORCRAFT: FA-1902	
APPLICATION: F-250/F-550 2011-2015	



6.0L	MC
FORD SERVICE: 4C3Z-9601-AA	
MOTORCRAFT: FA-1778	
APPLICATION: F-250/F-550 2003-2007 Excursion 2003-2007	



6.7L (Pre Filter)	MC
FORD SERVICE: BC3Z-9601-D	
MOTORCRAFT: FA-1909	
APPLICATION: F-250/F-550 2011-2015	
NOTE: Replaces BC3Z-9601-C	



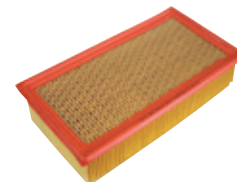
6.0L	MC
FORD SERVICE: 4C4Z-9601-AA	
MOTORCRAFT: FA-1753	
APPLICATION: F-650/F-750 2003-2007	



6.4L	MC
FORD SERVICE: 7C3Z-9601-B	
MOTORCRAFT: FA-1886	
APPLICATION: F-250/F-550 2008-2010	



6.0L	MC
FORD SERVICE: 6C2Z-9601-A	
MOTORCRAFT: FA-1804	
APPLICATION: E Series 2004-2010	



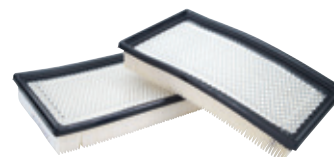
7.3L DIT	MC
FORD SERVICE: 2U2Z-9601-AA	
MOTORCRAFT: FA-1750	
APPLICATION: F-250/F-550 1995.5-2003 Excursion 2000-2003	

ILLUSTRATIONS - MAINTENANCE

Air Filters (continued)



7.3L DIT	MC
FORD SERVICE: F81Z-9601-AB	
MOTORCRAFT: FA-1675	
APPLICATION:	F-250/F-550 1999



7.3L DIT	MC
FORD SERVICE: F5UZ-9601-A	
MOTORCRAFT: FA-1618	
APPLICATION:	E Series 1995-2003
NOTE:	Requires 2



7.3L DIT	MC
FORD SERVICE: F5TZ-9601-A	
MOTORCRAFT: FA-1617	
APPLICATION:	F-250/F-550 1994-1998.5

Illustration Not Available

7.3L IDI	MC
FORD SERVICE: F1UZ-9601-A	
MOTORCRAFT: FA-1079	
APPLICATION:	E Series 1992-1994



7.3L DIT	MC
FORD SERVICE: F3HZ-9601-DC	
MOTORCRAFT: FA-1738	
APPLICATION:	F-650/F-750 2000-2003



7.3L IDI & IDIT/6.9L IDI	MC
FORD SERVICE: E7TZ-9601-A	
MOTORCRAFT: FA-1057	
APPLICATION:	F Series 1983-1994 E Series 1983-1991



ILLUSTRATIONS - MAINTENANCE

Air Filters (continued)



7.3L DIT	MC
FORD SERVICE: 2U2Z-9K635-AA	
MOTORCRAFT: FA-1759	

APPLICATION: F-250/F-550 1999-2003

BOM: Air Filter Element
Filter housing
Ambient Air Tube

NOTE: Owners of vehicles built prior to 12/7/1998 with fender air intake systems will need to purchase clean air hose XC3Z-9B659-AA



7.3L DIT	MC
FORD SERVICE: 2U2Z-9601-BA	
MOTORCRAFT: FA-1757	

APPLICATION: F-250/F-550 1999-2003



4.5L	MC
FORD SERVICE: 6E7Z-9601-AA	
MOTORCRAFT: FA-1779	

APPLICATION: LCF 2006-2009

Illustration Not Available

3.2L	MC
FORD SERVICE: CK4Z-9601-A	
MOTORCRAFT: FA-1916	

APPLICATION: Transit 2015

Illustration Not Available

3.2L (PRE-FILTER/SNOW)	MC
FORD SERVICE: CK4Z-9601-C	
MOTORCRAFT: FA-1921	

APPLICATION: Transit 2015

ILLUSTRATIONS - MAINTENANCE

Breather Filters



6.4L	MC
FORD SERVICE: 8C3Z-6A665-A	
MOTORCRAFT: EC-773	

APPLICATION: F-250/F-550 2008-2010
 BOM: Breather Canister w/O-Ring
NOTE: Does not include Oil Filler Cap



7.3L DIT	FORD
FORD SERVICE: F4TZ-6A665-A	

APPLICATION: F-250/F-550 1994-2003
 F-650/F-750 2000-2003
 Excursion 2000-2003
 E Series 1995-2003
 BOM: Breather Housing Assembly



6.0L	MC
FORD SERVICE: 4C3Z-6A665-AC	
MOTORCRAFT: EC-772	

APPLICATION: F-250/F-550 2003-2007
 Excursion 2003-2005
 E Series 2004-2010
 BOM: Breather Housing Assembly
 (4) Breather Face Seals



ILLUSTRATIONS - MAINTENANCE

Fuel Filters



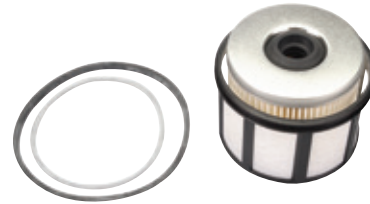
6.7L	MC
FORD SERVICE: BC3Z-9N184-B	
MOTORCRAFT: FD-4615	
APPLICATION: F-250/F-550 2011-2015	
NOTE: Kit contains engine and frame filters	



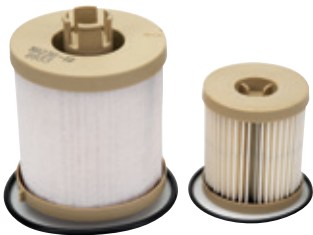
6.0L	MC
FORD SERVICE: 4C2Z-9N184-BA	
MOTORCRAFT: FD-4606	
APPLICATION: E Series 2004-2010	
NOTE: Kit contains engine and frame filters	



6.4L	MC
FORD SERVICE: 8C3Z-9N184-C	
MOTORCRAFT: FD-4617	
APPLICATION: F-250/F-550 2008-2010	
NOTE: Replaces 8C3Z-9N184-A/FD-4609. Kit contains engine and frame filters.	



6.0L/7.3L DIT	MC
FORD SERVICE: F81Z-9N184-AA	
MOTORCRAFT: FD-4596	
APPLICATION: F-250/F-550 1998.5-2003 Excursion 2000-2003 F-650/F-750 2000-2007 E Series 1998.5-2004	



4.5L/6.0L	MC
FORD SERVICE: 3C3Z-9N184-CB	
MOTORCRAFT: FD-4616	
APPLICATION: F-250/F-550 2003-2007 Excursion 2003-2005 LCF 2006-2009	
NOTE: Replaces 3C3Z-9N184-CA/FD-4604 (6.0L), 6E7Z-9155-BB/FG-1095 (4.5L). Kit contains engine and frame filters.	



7.3L DIT	MC
FORD SERVICE: F4TZ-9N184-A	
MOTORCRAFT: FD-4595	
APPLICATION: F-250/F-550 1994-1997 E Series 1995-1997	

ILLUSTRATIONS - MAINTENANCE



Fuel Filters (continued)

Oil Filter Caps



7.3L IDI & IDIT	MC
FORD SERVICE: F2TZ-9N184-A	
MOTORCRAFT: FD-3375	

APPLICATION: F-250/F-350 1988-1994
E Series 1988-1994



6.4L/ 6.0L/ 4.5L	MC
FORD SERVICE: 3C3Z-6766-CA	
MOTORCRAFT: EC-781	

APPLICATION: F-250/F-550 2008-2010
F-250/F-550 2003-2007
F-650/F-750 2003-2007
Excursion 2003-2005
LCF 2006-2009



6.9L IDI	MC
FORD SERVICE: E3TZ-9155-A	
MOTORCRAFT: FD-811	

APPLICATION: F-250/F-350 1983-1987
E Series 1983-1987



6.0L	MC
FORD SERVICE: 4C2Z-6766-BA	
MOTORCRAFT: EC-767	

APPLICATION: E Series 2004-2010

Illustration Not Available

3.2L	MC
FORD SERVICE: CK4Z-9155-B	
MOTORCRAFT: FG-1140	

APPLICATION: Transit 2015



ILLUSTRATIONS - MAINTENANCE

Oil Filters



6.7L	MC
FORD SERVICE: BC3Z-6731-B	
MOTORCRAFT: FL-2051S	
APPLICATION: F-250/F-550 2011-2015	



7.3L IDI & IDIT/6.9L IDI	MC
FORD SERVICE: E3TZ-6731-A	
MOTORCRAFT: FL-784	
APPLICATION: F-250/F-350 1983-1994 E Series 1983-1994	



6.4L/6.0L	MC
FORD SERVICE: 3C3Z-6731-AA	
MOTORCRAFT: FL-2016	
APPLICATION: F-250/F-550 2003-2010 F-650/F-750 2003-2007 E Series 2004-2010 Excursion 2003-2005	



4.5L	MC
FORD SERVICE: 6E7Z-6731-D	
MOTORCRAFT: FL-2029	
APPLICATION: LCF 2006-2009	



7.3L DIT	MC
FORD SERVICE: F4TZ-6731-A	
MOTORCRAFT: FL-1995	
APPLICATION: F-250/F-550 1994-2003 F-650/F-750 2000-2003 E Series 1995-2003 Excursion 2000-2003	



3.2L	MC
FORD SERVICE: AA5Z-6714-A	
MOTORCRAFT: FL-500S	
APPLICATION: Transit 2015	

Glow Plugs

Illustration Not Available

6.7L

MC

FORD SERVICE: BC3Z-12A342-C

MOTORCRAFT: ZD-18

APPLICATION: F-250/F-550 2012-2015 (After 2/1/2012)



6.7L

MC

FORD SERVICE: BC3Z-12A342-B

MOTORCRAFT: ZD-17

APPLICATION: F-250/F-550 2011-2012 (Before 2/1/2012)



6.4L

MC

FORD SERVICE: 8C3Z-12A342-A

MOTORCRAFT: ZD-15

APPLICATION: F-250/F-550 2008-2010



4.5L/6.0L

MC

FORD SERVICE: 4C3Z-12A342-AA

MOTORCRAFT: ZD-13

APPLICATION: F-250/F-550 2004-2007
Excursion 2004-2005
E Series 2004-2010
F-650/F-750 2004-2007
LCF 2006-2009



6.0L

MC

FORD SERVICE: 3C3Z-12A342-AA

MOTORCRAFT: ZD-12

APPLICATION: F-250/F-550 2003
F-650/F-750 2003-2004
Excursion 2003



7.3L DIT

MC

FORD SERVICE: F4TZ-12A342-BA

MOTORCRAFT: ZD-11

APPLICATION: F-250/F-550 1994-2003
F-650/F-750 2000-2003
E Series 1995-2003
Excursion 2000-2003



7.3L IDI & IDIT

MC

FORD SERVICE: F2TZ-12A342-A

MOTORCRAFT: ZD-9

APPLICATION: F-250/F-350 1983-1994
E Series 1983-1994

NOTE: Bullet type



6.9L IDI

MC

FORD SERVICE: E5TZ-12A342-B

MOTORCRAFT: ZD-1A

APPLICATION: F-250/F-350 1983-1986
E Series 1983-1986

NOTE: Spade type

Illustration Not Available

3.2L

MC

FORD SERVICE: CK4Z-12A342-A

MOTORCRAFT: ZD-19

APPLICATION: Transit 2015



ILLUSTRATIONS - MAINTENANCE

Glow Plug Control Unit/Relays

Illustration Not Available

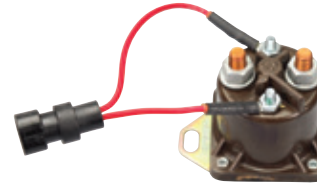
6.7L	MC
FORD SERVICE: FC3Z-12B533-A	
MOTORCRAFT: DY-1297	
APPLICATION: F-250/F-550 2015	



7.3L DIT	MC
FORD SERVICE: F81Z-12B533-AC	
MOTORCRAFT: DY-861	
APPLICATION: F-250/F-550 1997-2003 F-650/F-750 2000-2002 E Series 1997-2003	

Illustration Not Available

6.7L	MC
FORD SERVICE: BC3Z-12B533-B	
MOTORCRAFT: DY-1261	
APPLICATION: F-250/F-550 2011-2014	



7.3L DIT	MC
FORD SERVICE: F7TZ-12B533-CA	
MOTORCRAFT: DY-860	
APPLICATION: F-250/F-550 1994-1996 E Series 1995-1996	



4.5L/6.0L	MC
FORD SERVICE: 4C4Z-12B533-AA	
MOTORCRAFT: DY-989	
APPLICATION: F-650/F-750 2003-2007 LCF 2006-2008	



6.9L/7.3L IDI & IDIT	MC
FORD SERVICE: E7TZ-12B533-A	
MOTORCRAFT: DY-1128	
APPLICATION: F-250/F-350 1983-1994 E Series 1983-1994	
NOTE: Replaces F0TZ-12B533-A / DY-1023	



Illustration Not Available

6.4L/6.0L/7.3L DIT	MC
FORD SERVICE: YC3Z-12B533-AA	
MOTORCRAFT: DY-876	
APPLICATION: F-250/F-550 2003-2010 E Series 2004-2010 Excursion 2000-2005	

3.2L DIT	MC
FORD SERVICE: CK4Z-12B533-A	
MOTORCRAFT: DY-1276	
APPLICATION: Transit 2015	

Heater, Air Intake



7.3L DIT

FORD

FORD SERVICE: F81Z-9N424-BA

APPLICATION: F-250/F-550 1999.5-2003
Excursion 2000-2003



4.5L

MC

FORD SERVICE: 6E7Z-12A342-AA

MOTORCRAFT: ZD-14

APPLICATION: LCF 2006-2009

Thermostats

Illustration Not Available

6.7L

MC

FORD SERVICE: BC3Z-8575-D

MOTORCRAFT: RT-1231

APPLICATION: F-250/F-550 2011-2015

NOTE: Engine Mounted

Illustration Not Available

6.7L

MC

FORD SERVICE: BC3Z-8575-B

MOTORCRAFT: RT-1206

APPLICATION: F-250/F-550 2011-2015

NOTE: Right Hand
Mounted in Low Temp Radiator

Illustration Not Available

6.7L

MC

FORD SERVICE: BC3Z-8575-C

MOTORCRAFT: RT-1207

APPLICATION: F-250/F-550 2011-2015

NOTE: Left Hand
Mounted in Low Temp Radiator



6.4L

MC

FORD SERVICE: 8C3Z-8575-D

MOTORCRAFT: RT-1212

APPLICATION: F-250/F-550 2008-2010

NOTE: Replaces 8C3Z-8575-B/RT-1192



ILLUSTRATIONS - MAINTENANCE

Thermostats (continued)



6.0L	MC
FORD SERVICE: 3C3Z-8575-AA	
MOTORCRAFT: RT-1169	

APPLICATION: F-250/F-550 2003-2007
E Series 2004-2010
Excursion 2003-2005



7.3L DIT	MC
FORD SERVICE: F6TZ-8575-EA	
MOTORCRAFT: RT-1201	

APPLICATION: F-250/F-550 1996-2003
E Series 1996-2003
Excursion 2000-2003

NOTE: Replaces F6TZ-8575-AA / RT-1125
F6TZ-8575-BA / RT-1197



6.0L	MC
FORD SERVICE: 4C4Z-8575-AA	
MOTORCRAFT: RT-1173	

APPLICATION: F-650/F-750 2003-2007



7.3L DIT	MC
FORD SERVICE: F4TZ-8575-CB	
MOTORCRAFT: RT-1203	

APPLICATION: F-250/F-550 1994-1995
E Series 1995

NOTE: Replaces F4TZ-8575-A / RT-1093
F4TZ-8575-CA / RT-1199

Thermostats (continued)

Water Drain Valve



7.3L DIT	MC
FORD SERVICE: YC3Z-8575-AC	
MOTORCRAFT: RT-1202	
APPLICATION:	F-650/F-750 2000-2003
NOTE:	Replaces YC3Z-8575-AA / RT-1151 YC3Z-8575-AB / RT-1198

7.3L DIT	FORD
FORD SERVICE: F81Z-9A153-AA	
APPLICATION:	F-250/F-550 1998.5-2003 Excursion 2000-2003 E Series 1998.5-2003



6.9L/7.3L IDI/IDIT	MC
FORD SERVICE: E5TZ-8575-C	
MOTORCRAFT: RT-1049	
APPLICATION:	F Series, E Series 1983-1994



4.5L	MC
FORD SERVICE: 6E7Z-8575-A	
MOTORCRAFT: RT-1183	
APPLICATION:	LCF 2006-2009



ILLUSTRATIONS - MAINTENANCE

Fuel Additives



All	MC
PART:	ANTI-GEL & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-23-ASU (US) PM-23-BSU (CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	6 fl. oz. (Single Shot) Each single shot treats up to 35 U.S. gallons of diesel fuel



All	MC
PART:	CETANE BOOSTER & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-22-ASU (US) PM-22-BSU (CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	6 fl. oz. (Single Shot) Each single shot treats up to 35 U.S. gallons of diesel fuel



All	MC
PART:	ANTI-GEL & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-23-A (US) PM-23-B (CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	20 fl. oz. Each 20 oz treats 125 U.S. gallons of diesel fuel



All	MC
PART:	CETANE BOOSTER & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-22-A (US) PM-22-B (CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	20 fl. oz. Each 20 oz treats 125 U.S. gallons of diesel fuel



All	MC
PART:	ANTI-GEL & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-23-GAL (US & CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	1 gal. (US & Canada) Each gallon treats 1,000 U.S. gallons of diesel fuel



All	MC
PART:	CETANE BOOSTER & PERFORMANCE IMPROVER
MOTORCRAFT:	PM-22-GAL (US & CANADA)
APPLICATION:	All Diesel Vehicles
NOTE:	1 gal. (US & Canada) Each gallon treats 1,000 U.S. gallons of diesel fuel

CROSS REFERENCE

Cross Reference Index	110-122
Cast ID Number	110-111
Connector ID Number	111
Engine ID Number	112-122



CROSS REFERENCE

Cast ID Number				
Cast ID	Ford Service #	MC Part #	Part Type	Engine
1057842H	4C3Z-9A543-AARM	--	HIGH PRESSURE INJECTION OIL PUMP	6.0L
1805288C1	XU2Z-6V049-AARM	CH-4-RM	CYLINDER HEAD KIT	6.9L IDI
1805615C1	XU2Z-6V200-BARM	PR-5-RM	CONNECTING ROD	6.9L & 7.3L IDI
1805855C1	XU2Z-6V049-CARM	CH-11-RM	CYLINDER HEAD KIT	6.9L IDI
1809030C3 ♦	F4TZ-6V049-AARM	CH-103-RM	CYLINDER HEAD KIT	7.3L IDIT
1809030C3 ♦	XU2Z-6V049-DARM	CH-12-RM	CYLINDER HEAD KIT	7.3L IDI
1812003C2	F4TZ-6V200-CARM	PR-4-RM	CONNECTING ROD	7.3L DIT
1816187C3	F4TZ-9VE527-AARM	FI-2-RM	FUEL INJECTOR	7.3L DIT
1816626C1	XU2Z-6VA642-AARM	OC-1-RM	OIL COOLER	6.9L & 7.3L IDI / IDIT
18181823C3	1U2Z-8V501-CA	PWR-2	WATER PUMP	7.3L DIT
1818303C2	F4TZ-6V049-BARM	CH-2-RM	CYLINDER HEAD KIT	7.3L DIT
1821329C91	F4TZ-6VK682-BARM	TC-1-RM	TURBOCHARGER	7.3L IDIT
1821836C2	F4TZ-9VE527-AARM	FI-2-RM	FUEL INJECTOR	7.3L DIT
1822803C1	F61Z-9VE527-BRM	CMR-1-RM	FUEL INJECTOR	7.3L DIT
1822823C1	1U2Z-8V501-CA	PWR-2	WATER PUMP	7.3L DIT
1823423C2	2C3Z-8V501-BA	PWR-3	WATER PUMP	7.3L DIT
1823611C2	2C3Z-8V501-BA	PWR-3	WATER PUMP	7.3L DIT
1825113C1	F5TZ-6V049-AARM	CH-3-RM	CYLINDER HEAD KIT	7.3L DIT
1825125C1	F61Z-9VE527-BRM	CMR-1-RM	FUEL INJECTOR	7.3L DIT
1831005C2	F81Z-8501-FA	PW-455	WATER PUMP	7.3L DIT
1831457C91	F81Z-6K682-BARM	--	TURBOCHARGER	7.3L DIT
1831457C91/702014-0009	F81Z-6K682-BARM	--	TURBOCHARGER	7.3L DIT
1831458C91	XC2Z-6K682-AARM	--	TURBOCHARGER	7.3L DIT
1831458CAL/710134-0002	XC2Z-6K682-AARM	--	TURBOCHARGER	7.3L DIT
1831489C1	5C3Z-9VE527-BRM	CMR-8-RM	FUEL INJECTOR	7.3L DIT
1831551C1	5C3Z-9VE527-BRM	CMR-8-RM	FUEL INJECTOR	7.3L DIT
1831576C1	YC3Z-8501-CA	PW-456	WATER PUMP	7.3L DIT
1831660C91	F81Z-6K682-CARM	--	TURBOCHARGER	7.3L DIT
1831660C91/710134-0009	F81Z-6K682-CARM	--	TURBOCHARGER	7.3L DIT
183166CAL/702670-5002	F81Z-6N639-DARM	--	TURBOCHARGER PEDESTAL	7.3L DIT
1832135C2	8C3Z-6049-BB	--	CYLINDER HEAD KIT	6.4L
1833545C91	YC3Z-6K682-AARM	--	TURBOCHARGER	7.3L DIT
1833545C91	YC3Z-6N639-AARM	--	TURBOCHARGER PEDESTAL	7.3L DIT
1833545C91/466785-0003	YC3Z-6K682-AARM	--	TURBOCHARGER	7.3L DIT
1833545C91/468492-9001	F4TZ-6VN639-AARM	PTC-2-RM	TURBOCHARGER PEDESTAL	7.3L DIT
1833639C1	5C3Z-9VE527-ARM	CMR-7-RM	FUEL INJECTOR	7.3L DIT
1833640C1	5C3Z-9VE527-ARM	CMR-7-RM	FUEL INJECTOR	7.3L DIT
1833641C1	F61Z-9VE527-ERM	CMR-2-RM	FUEL INJECTOR	7.3L DIT
1834675C1	6E7Z-6200-A	--	CONNECTING ROD	6.0L & 4.5L
1837127C#	4C3Z-12B599-ABRM	--	FUEL INJECTION CONTROL MODULE (FICM)	6.0L
1837984C9#	3C3Z-6K682-CCRM	--	TURBOCHARGER	6.0L
1837985C9#	4C4Z-6K682-ARM	--	TURBOCHARGER	6.0L
1839053C#	5C4Z-12A650-B	--	ELECTRONIC CONTROL MODULE (ECM)	6.0L
1843080C2	3C3Z-6049-ARM †	--	CYLINDER HEAD KIT	6.0L

NOTE: ♦ 7.3L IDI and IDIT Cylinder Head Kits have identical casting numbers - Refer to the application section to identify proper kit.

CROSS REFERENCE



Cast ID Number				
Cast ID	Ford Service #	MC Part #	Part Type	Engine
1843761C93	4C3Z-6K682-CDRM	--	TURBOCHARGER	6.0L
1844172C3 *	6E7Z-6049-J	--	CYLINDER HEAD KIT	4.5L
1845117C2	4C3Z-12B599-ABRM	--	FUEL INJECTION CONTROL MODULE (FICM)	6.0L
1855613C1	6C3Z-6049-DRM	--	CYLINDER HEAD KIT	6.0L
5858R	5C4Z-9A543-ERM	--	HIGH PRESSURE INJECTION OIL PUMP	6.0L
828C9#	3C3Z-9A543-AARM	--	HIGH PRESSURE INJECTION OIL PUMP	6.0L
991934CAL/468485-0004	F4TZ-6VK682-CARM	TC-2-RM	TURBOCHARGER	7.3L DIT
991966C91	5C3Z-6V682-ARM	TC-3-RM	TURBOCHARGER	7.3L DIT
991966C91/471128-0009	5C3Z-6V682-ARM	TC-3-RM	TURBOCHARGER	7.3L DIT
991967C91	5C3Z-6V682-BRM	TC-4-RM	TURBOCHARGER	7.3L DIT
991967C91/471131-0006	5C3Z-6V682-BRM	TC-4-RM	TURBOCHARGER	7.3L DIT
B	2C3Z-9VE527-FRM	CMR-6-RM	FUEL INJECTOR	7.3L IDI
BB	2C3Z-9VE527-FRM	CMR-6-RM	FUEL INJECTOR	7.3L IDI
C	2C3Z-9VE527-ERM	CMR-5-RM	FUEL INJECTOR	7.3L IDI
D	2C3Z-9VE527-ERM	CMR-5-RM	FUEL INJECTOR	7.3L IDI
DB2-4746	E7TZ-9A543-A ★	--	FUEL INJECTION PUMP	6.9L IDI
DB2-4812	E9TZ-9A543-C ★	--	FUEL INJECTION PUMP	7.3L IDI
DB2-5013	F2TZ-9A543-A	--	FUEL INJECTION PUMP	7.3L IDI
DB2-5028	F2TZ-9A543-C ★	--	FUEL INJECTION PUMP	7.3L IDI
DB2-5069	F3TZ-9A543-A ★	--	FUEL INJECTION PUMP	7.3L IDIT
DB2-5070	F3TZ-9A543-B ★	--	FUEL INJECTION PUMP	7.3L IDIT
E	2C3Z-9VE527-DRM	CMR-4-RM	FUEL INJECTOR	7.3L IDI
EI 500	XU2Z-8501-EA	PW-454	WATER PUMP	6.9L & 7.3L IDI / IDIT
G	2C3Z-9VE527-ARM	CMR-3-RM	FUEL INJECTOR	7.3L IDIT
WP0000283751/SPN10528	4C3Z-8501-AC	PW-491	WATER PUMP	6.0L

Connector ID Number				
Connector ID Number	Ford Service #	MC Part #	Part Type	Engine
1843481C94	3C3Z-9E527-ECRM	CN-5020-RM	Fuel Injector	6.0L
1843481C95	3C3Z-9E527-ECRM	CN-5020-RM	Fuel Injector	6.0L
1844751C2	4C3Z-9E527-BRM	CN-5019-RM	Fuel Injector	6.0L & 4.5L
1845879C91	3C3Z-9E527-ECRM	CN-5020-RM	Fuel Injector	6.0L

NOTE: To find the location of the Connector ID Number see page 67.

* Original Production Cast ID Number

† To ensure proper cylinder head replacement, refer to cylinder head kit selection chart located on page 138.

★ While Supplies Last



CROSS REFERENCE

Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
1E 006 AA	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
1E 006 AA	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
1E 007 AA	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
1E 007 AA	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
1E 008 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
1E 008 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
1E 008 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
1E 008 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
1E 008 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
1E 008 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
1E 009 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
1E 009 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
1E 009 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
2E 006 AA	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
2E 006 AA	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
2E 007 AA	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
2E 007 AA	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
2E 008 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
2E 008 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
2E 008 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
2E 008 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
2E 008 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
2E 008 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
3G 041 CC - CE	3C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
3G 041 CC - CE	3C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
3G 041 CC - CE	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
4G 041 EB	4C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
4G 041 EB	4C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
4G 041 EB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
5G 001 AA	F4TZ-6V007-FARM	ENGINE, COMPLETE	7.3L DIT
5G 001 AA	F4TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
5G 001 AA	F4TZ-6V012-AARM	ENGINE, LONG BLOCK (STRIPPED)	7.3L DIT
5G 001 BA	F5TZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
5G 001 BA	F4TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
5G 001 BA	F4TZ-6V012-AARM	ENGINE, LONG BLOCK (STRIPPED)	7.3L DIT
5G 002 AA	F5TZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
5G 002 AA	F4TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
5G 002 AA	F4TZ-6V012-AARM	ENGINE, LONG BLOCK (STRIPPED)	7.3L DIT
5G 004 AA	F5UZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
5G 004 AA	F5TZ-6V006-AARM	ENGINE, LONG BLOCK	7.3L DIT
5G 004 AA	F5UZ-6V012-AARM	ENGINE, LONG BLOCK (STRIPPED)	7.3L DIT
5G 041 CB	5C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
5G 041 CB	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
5G 041 CB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
5G 041 GC	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
5G 041 GC	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
5G 041 GC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 001 AA	6E7Z-6007-FRM	ENGINE, COMPLETE	4.5L
6G 041 AA	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
6G 041 AA	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 AA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L

CROSS REFERENCE



Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
6G 041 AB	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
6G 041 AB	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 AB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 041 AC	6C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
6G 041 AC	6C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 AC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 041 BA	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
6G 041 BA	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 BA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 041 BB	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
6G 041 BB	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 BB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 041 BC	6C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
6G 041 BC	6C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 041 BC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 042 CA	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
6G 042 CA	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 CA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 042 CB	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
6G 042 CB	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 CB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 042 CC	6C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
6G 042 CC	6C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 CC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 042 DA	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
6G 042 DA	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 DA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 042 DB	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
6G 042 DB	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 DB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 042 DC	6C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
6G 042 DC	6C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
6G 042 DC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 046 AA	5C2Z-6007-BARM	ENGINE, COMPLETE	6.0L
6G 046 AA	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 046 AA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 046 AC	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
6G 046 AC	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 046 AC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 046 AD	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
6G 046 AD	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 046 AD	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
6G 046 BA	5C2Z-6007-BARM	ENGINE, COMPLETE	6.0L
6G 046 BA	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 046 BA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
6G 046 BC	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
6G 046 BC	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
6G 046 BC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
7E 004 AA	F7UZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
7E 004 AA	F7UZ-6V006-AARM	ENGINE, LONG BLOCK	7.3L DIT



CROSS REFERENCE

Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
8G 041 BB	8C3Z-9A543-B	ENGINE, COMPLETE	6.4L
8G 041 BB	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 041 BB	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 041 BC	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
8G 041 BC	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 041 BC	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 041 DB	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
8G 041 DB	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 041 DB	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 041 DC	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
8G 041 DC	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 041 DC	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 042 AB	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
8G 042 AB	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 042 AB	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 042 AC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
8G 042 AC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 042 AC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 042 CB	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
8G 042 CB	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 042 CB	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 042 CC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
8G 042 CC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 042 CC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 042 EC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
8G 042 EC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8G 042 EC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
8G 046 AA	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
8G 046 AA	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
8G 046 AA	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
8G 046 AB	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
8G 046 AB	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
8G 046 AB	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
8G 046 BA	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
8G 046 BA	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
8G 046 BA	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
8G 046 BB	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
8G 046 BB	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
8G 046 BB	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
8M 041 AA	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
8M 041 AA	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
8M 041 AA	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 041 BA	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 BA	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 BA	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 041 BB	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 BB	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 BB	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 041 BC	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 BC	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 BC	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L

CROSS REFERENCE



Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
9G 041 DA	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 DA	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 DA	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 041 DB	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 DB	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 DB	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 041 DC	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9G 041 DC	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 041 DC	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 AA	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 AA	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 AA	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 AB	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 AB	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 AB	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 AC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 AC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 AC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 CA	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 CA	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 CA	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 CB	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 CB	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 CB	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 CC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 CC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 CC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 EA	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 EA	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 EA	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 EB	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 EB	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 EB	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 042 EC	8C3Z-6007-AARM	ENGINE, COMPLETE	6.4L
9G 042 EC	8C3Z-6012-ARM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9G 042 EC	8C3Z-6009-AARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L
9G 046 AB	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
9G 046 AB	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
9G 046 AB	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
9G 046 AC	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
9G 046 AC	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
9G 046 AC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
9G 046 BB	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
9G 046 BB	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
9G 046 BB	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
9G 046 BC	6C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
9G 046 BC	6C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
9G 046 BC	6C3Z-6009-ARM	ENGINE, SHORT BLOCK	6.0L
9M 041 AA	8C3Z-6007-BARM	ENGINE, COMPLETE	6.4L
9M 041 AA	8C3Z-6012-BRM	ENGINE, LONG BLOCK (STRIPPED)	6.4L
9M 041 AA	8C3Z-6009-BARM	ENGINE, SHORT BLOCK (ENHANCED)	6.4L



CROSS REFERENCE

Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
AE 001 AA - AD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
AE 001 AA - AD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
AE 001 AA - AD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
AE 002 AA - AD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
AE 002 AA - AD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
AE 002 AA - AD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
AE 004 AA - AD	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
AE 004 AA - AD	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 001 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 001 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 001 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 001 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 001 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 001 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 001 AC	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 001 AC	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 001 AC	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 002 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 002 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 002 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 002 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 002 BA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 002 BA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 002 BA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 002 BB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
BE 002 BB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 002 BB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
BE 004 AA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
BE 004 AA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
BE 004 AB	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
BE 004 AB	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 001 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 001 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 001 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
CE 002 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
CE 002 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 002 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 002 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
CE 002 BA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 002 BA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 002 BA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
CE 004 AA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
CE 004 AA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 006 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 006 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 006 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT

CROSS REFERENCE



Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
CE 009 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 009 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 009 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
CE 009 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
CE 009 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
CE 009 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
DE 004 AA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
DE 004 AA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
DE 006 AA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
DE 006 AA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
DG 041 BA - BC	3C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
DG 041 BA - BC	3C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
DG 041 BA - BC	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
DG 041 BE	3C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
DG 041 BE	3C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
DG 041 BE	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
DG 042 AC - AE	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
DG 042 AC - AE	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
DG 042 AC - AE	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
DG 042 AG	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
DG 042 AG	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
DG 042 AG	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
DG 044 AA - AC	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
DG 044 AA - AC	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
DG 044 AA - AC	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
DG 044 AE	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
DG 044 AE	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
DG 044 AE	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
EG 041 AA	4C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
EG 041 AA	4C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
EG 041 AA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
EG 042 AB - CB	4C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
EG 042 AB - CB	4C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
EG 042 AB - CB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
EG 044 DB	4C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
EG 044 DB	4C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
EG 044 DB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
EG 046 AC	4C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
EG 046 AC	4C2Z-6006-EARM	ENGINE, LONG BLOCK	6.0L
EG 046 AC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 042 DB	5C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
FG 042 DB	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
FG 042 DB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 042 RB	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
FG 042 RB	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
FG 042 RB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 042 RC	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
FG 042 RC	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
FG 042 RC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L



CROSS REFERENCE

Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
FG 044 AC	5C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
FG 044 AC	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
FG 044 AC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 044 TC	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
FG 044 TC	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
FG 044 TC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 046 AA	5C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
FG 046 AA	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
FG 046 AA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
FG 046 BB	5C2Z-6007-BARM	ENGINE, COMPLETE	6.0L
FG 046 BB	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
FG 046 BB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
HE 001 AA	F7TZ-6V007-BARM	ENGINE, COMPLETE	7.3L DIT
HE 001 AA	F7TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
HE 001 AA	F7TZ-6V012-ABRM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
HE 002 AA	F7TZ-6V007-BARM	ENGINE, COMPLETE	7.3L DIT
HE 002 AA	F7TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
HE 002 AA	F7TZ-6V012-ABRM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 001 CA - CL	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
JE 001 CA - CL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 001 CA - CL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 001 CN	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
JE 001 CN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 001 CN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 001 DA - DL	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
JE 001 DA - DL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 001 DA - DL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 001 DN	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
JE 001 DN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 001 DN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 002 CA - CL	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
JE 002 CA - CL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 002 CA - CL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 002 CN	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
JE 002 CN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 002 CN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 002 DA -DL	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
JE 002 DA -DL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 002 DA -DL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 002 DN	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
JE 002 DN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
JE 002 DN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
JE 004 AA	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
JE 004 AA	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
JE 004 BD	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
JE 004 BD	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
JE 004 BE	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
JE 004 BE	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
KE 001 AA	XC3Z-6007-BARM	ENGINE, COMPLETE	7.3L DIT
KE 001 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
KE 001 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT

CROSS REFERENCE



Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
KE 001 BA - BD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
KE 001 BA - BD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
KE 001 BA - BD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
KE 002 AA	XC3Z-6007-BARM	ENGINE, COMPLETE	7.3L DIT
KE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
KE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
KE 002 BA - BD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
KE 002 BA - BD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
KE 002 BA - BD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
KE 004 AA - AD	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
KE 004 AA - AD	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
LE 001 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
LE 001 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
LE 001 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
LE 002 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
LE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
LE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
OE 006 AB	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
OE 006 AB	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
OE 006 AE	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
OE 006 AE	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
OE 007 AC	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
OE 007 AC	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
OE 007 AD	1C3Z-6007-HARM	ENGINE, COMPLETE	7.3L DIT
OE 007 AD	1C3Z-6006-DARM	ENGINE, LONG BLOCK	7.3L DIT
OE 008 AA - AE	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
OE 008 AA - AE	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
OE 008 AA - AE	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
OE 009 AA - AC	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
OE 009 AA - AC	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
OE 009 AA - AC	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 001 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 001 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 001 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 001 AC	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 001 AC	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 001 AC	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 001 AD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 001 AD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 001 AD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 002 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 002 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 002 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 002 AC	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 002 AC	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 002 AC	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 002 AD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
SE 002 AD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
SE 002 AD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
SE 004 AA - AD	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
SE 004 AA - AD	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT



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Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
TE 001 AA - AC	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
TE 001 AA - AC	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
TE 001 AA - AC	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
TE 002 AA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
TE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
TE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
TE 002 AB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
TE 002 AB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
TE 002 AB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
TE 004 AA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
TE 004 AA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
TE 004 AB	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
TE 004 AB	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
UE 001 AA	F7TZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
UE 001 AA	F7TZ-6V006-CARM	ENGINE, LONG BLOCK	7.3L DIT
UE 001 AA	F7TZ-6V012-ABRM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
UE 001 CA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
UE 001 CA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
UE 001 CA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
UE 002 AA	F7TZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
UE 002 AA	F7TZ-6V006-CARM	ENGINE, LONG BLOCK	7.3L DIT
UE 002 AA	F7TZ-6V012-ABRM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
UE 002 CA	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
UE 002 CA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
UE 002 CA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
UE 002 CB	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
UE 002 CB	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
UE 002 CB	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
UE 004 AA	F7UZ-6V007-AARM	ENGINE, COMPLETE	7.3L DIT
UE 004 AA	F7UZ-6V006-AARM	ENGINE, LONG BLOCK	7.3L DIT
UE 004 CA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
UE 004 CA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
WE 001 CA - CL	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
WE 001 CA - CL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 001 CA - CL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 001 CN	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
WE 001 CN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 001 CN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 001 DA - DL	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
WE 001 DA - DL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 001 DA - DL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 001 DN	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
WE 001 DN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 001 DN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 002 CA - CL	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
WE 002 CA - CL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 002 CA - CL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 002 CN	5C3Z-6V007-CRM	ENGINE, COMPLETE	7.3L DIT
WE 002 CN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 002 CN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT

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Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
WE 002 DA - DL	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
WE 002 DA - DL	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 002 DA - DL	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 002 DN	5C3Z-6V007-BRM	ENGINE, COMPLETE	7.3L DIT
WE 002 DN	5C3Z-6V006-CRM	ENGINE, LONG BLOCK	7.3L DIT
WE 002 DN	F81Z-6V012-CARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
WE 004 AA	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
WE 004 AA	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
WE 004 BD	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
WE 004 BD	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
WE 004 BE	5C3Z-6V007-ARM	ENGINE, COMPLETE	7.3L DIT
WE 004 BE	5C3Z-6V006-DRM	ENGINE, LONG BLOCK	7.3L DIT
WE 004 CA	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
WE 004 CA	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
WG 041 DB - DD	3C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
WG 041 DB - DD	3C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
WG 041 DB - DD	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
WG 041 DF	3C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
WG 041 DF	3C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
WG 041 DF	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
WG 042 EE - EG	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
WG 042 EE - EG	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
WG 042 EE - EG	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
WG 042 EJ	3C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
WG 042 EJ	3C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
WG 042 EJ	3C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
XE 001 AA	XC3Z-6007-BARM	ENGINE, COMPLETE	7.3L DIT
XE 001 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
XE 001 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
XE 001 BA - BD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
XE 001 BA - BD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
XE 001 BA - BD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
XE 002 AA	XC3Z-6007-BARM	ENGINE, COMPLETE	7.3L DIT
XE 002 AA	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
XE 002 AA	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
XE 002 BA - BD	XC3Z-6007-CARM	ENGINE, COMPLETE	7.3L DIT
XE 002 BA - BD	XC3Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
XE 002 BA - BD	XC3Z-6V012-BARM	ENGINE, LONG BLOCK (ENHANCED-STRIPPED)	7.3L DIT
XE 004 AA - AD	XC2Z-6007-AARM	ENGINE, COMPLETE	7.3L DIT
XE 004 AA - AD	XC2Z-6006-AARM	ENGINE, LONG BLOCK	7.3L DIT
XG 041 BB	4C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
XG 041 BB	4C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
XG 041 BB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
XG 042 AC	4C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
XG 042 AC	4C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
XG 042 AC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
XG 046 AC	4C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
XG 046 AC	4C2Z-6006-EARM	ENGINE, LONG BLOCK	6.0L
XG 046 AC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L



CROSS REFERENCE

Engine ID Number			
Engine ID Number (Tag #)	Ford Service #	Part Type	Engine
YG 041 BF	5C3Z-6007-AARM	ENGINE, COMPLETE	6.0L
YG 041 BF	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
YG 041 BF	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 041 FC	5C3Z-6007-CARM	ENGINE, COMPLETE	6.0L
YG 041 FC	5C3Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
YG 041 FC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 042 EB	5C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
YG 042 EB	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
YG 042 EB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 042 SB - SC	5C3Z-6007-DARM	ENGINE, COMPLETE	6.0L
YG 042 SB - SC	5C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
YG 042 SB - SC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
XG 042 XB	4C3Z-6007-BARM	ENGINE, COMPLETE	6.0L
XG 042 XB	4C3Z-6006-BARM	ENGINE, LONG BLOCK	6.0L
XG 042 XB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 046 AA	5C2Z-6007-AARM	ENGINE, COMPLETE	6.0L
YG 046 AA	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
YG 046 AA	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 046 CB	5C2Z-6007-BARM	ENGINE, COMPLETE	6.0L
YG 046 CB	5C2Z-6006-AARM	ENGINE, LONG BLOCK	6.0L
YG 046 CB	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 048 UC	5C3Z-6007-EARM	ENGINE, COMPLETE	6.0L
YG 048 UC	5C3Z-6006-EARM	ENGINE, LONG BLOCK	6.0L
YG 048 UC	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
YG 048 UD	5C3Z-6007-FARM	ENGINE, COMPLETE	6.0L
YG 048 UD	5C3Z-6006-EARM	ENGINE, LONG BLOCK	6.0L
YG 048 UD	5C3Z-6009-AARM	ENGINE, SHORT BLOCK	6.0L
ZE 001 AA	F6TZ-6V007-BARM	ENGINE, COMPLETE	7.3L DIT
ZE 001 AA	F6TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
ZE 002 AA	F6TZ-6V007-BARM	ENGINE, COMPLETE	7.3L DIT
ZE 002 AA	F6TZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT
ZE 004 AA	F6UZ-6V007-BARM	ENGINE, COMPLETE	7.3L DIT
ZE 004 AA	F6UZ-6V006-BARM	ENGINE, LONG BLOCK	7.3L DIT

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APPENDIX - REMANUFACTURED DIESEL ENGINES

6.4L, 6.0L & 7.3L

Genuine Ford Remanufactured Diesel Engine Benefits



6.4L Power Stroke® Diesel



6.0L Power Stroke® Diesel



7.3L DIT Power Stroke® Diesel

Remanufacturing:

- State of the art bore spray welding procedure found only on Ford Remanufactured diesel engines (6.0L & 6.4L only) results in standard size cylinder bores in brand new condition.
- Cylinder bores are diamond plateau honed to OEM specifications.
- Cylinder heads are new or remanufactured.
- Remanufactured crankcase: *Inspected for cavitation.*
- Crankshaft remanufacturing includes Magnafluxing.
- Turbocharger remanufactured to OEM specifications.
- Remanufactured injectors tested with OEM equipment.
- High pressure oil pump remanufactured to OEM specifications.
- Camshaft remanufacturing assures lift, contour, finish and size meet OEM specifications.

Ford remanufactured diesel engines also include 100% of these new component parts:

- | | |
|--|-----------------------|
| ■ Bearings | ■ Premium Glow Plugs |
| ■ Coolant Heater | ■ Seals |
| ■ Core Plugs | ■ Sensors |
| ■ Gaskets | ■ Thermostat |
| ■ Lube Oil Cooler:
<i>Not Cleaned or Re-Cored</i> | ■ Valve Cover Gaskets |
| ■ Pistons | ■ Valve Guide Inserts |
| ■ Piston Rings | ■ Water Pump |

Genuine Ford Remanufactured Diesel Engine Benefits (continued)

Key Features and Benefits

This page describes the many advantages of Ford remanufactured diesel engines and components. Keep this manual as a ready reference for dealer parts counter and service advisor personnel to be prepared to answer the most frequently asked questions about these products.

Why should your customer purchase a genuine Ford Remanufactured Diesel Engine?









Ford remanufactured diesel engines are the only engines authorized by Ford Motor Company. Ford Motor Company engineering has rigorously tested and approved each remanufacturing process to insure compliance to Original Equipment standards. Long term durability testing has proven that Ford remanufactured engines will provide customers the service and reliability they demand.

Every remanufactured diesel engine is tested on state of the art equipment to assure the same performance and durability as when the engine was new.

- All 6006 and 6007 trim levels are dynamometer-run and evaluated at normal operating temperatures at a wide range of RPMs
- Dynamometer Test results are printed and included with each 6006 and 6007 remanufactured engine shipment
- All 6009, and 6012 trim levels are 100% evaluated on computer-controlled testers, which simulate vehicle conditions to deliver a trouble-free engine

Please consult your nearest Ford or Lincoln Parts Department for specific warranty details.

Ford vs. Aftermarket Diesel Engines

Benefits	Ford	Aftermarket
Access to proprietary Ford Engineering blueprint data for true OEM remanufacturing specs		 No access to proprietary blueprint documents. Solution: Reverse-engineer a Ford Power Stroke engine.
All OEM replacement parts		 Parts replaced may be any brand or quality selected by Aftermarket.
Comprehensive two-year / unlimited mile warranty coverage on all engine components		 <p>Only 1-year coverage on:</p> <ul style="list-style-type: none"> · Electronic fuel injectors · Hydraulic high pressure pumps · Turbochargers · Water pumps · Sensors · Sending units · Belts and hoses <p>Excludes coverage on:</p> <ul style="list-style-type: none"> · Oil, antifreeze, fluids or other substances · Towing charges <p><small>*Aftermarket Source: AD-E06-86-56904 3/1/12</small></p>
No-Risk Core Return Credit (no deductions for condition of core)		 <p>The Aftermarket "Hassle Free" core policy could cost you hundreds of dollars!</p> <p>"Full core deposit will be refunded if there are no visible holes or cracks in the exterior of your engine core."*</p> <p><small>*Aftermarket Source: AD-E06-86-56940 3/1/12</small></p>

May vary by specific aftermarket supplier.



APPENDIX - REMANUFACTURED DIESEL ENGINES

U.S. Limited Warranty Statement Ford Remanufactured Diesel Engines

Ford Motor Company, The American Road, Dearborn, MI 48121 ("Ford") provides the following Limited Warranty on Ford Remanufactured Diesel Engines to Ford and Lincoln Dealers (each being a "Dealer") or general Installers (each being an "Installer"). This Limited Warranty provides that Ford will credit the Dealer or Installer for repairing or replacing, at Ford's option, any Ford Remanufactured Diesel Engine sold by Ford that is found to be defective in factory-supplied material or workmanship subject to the following terms, conditions and limitations:

Retail Customers: To obtain warranty service, please return your vehicle to any Ford and Lincoln Dealership or return to the Installer who originally installed the Ford Diesel Engine Assembly in your vehicle. Please have your original dated receipt for installation date verification.

Complete Diesel Engine (6007/6V007) and Long Block (6006/6V006) Assemblies

- 24 months from warranty start date (unlimited miles). Ford will cover 100% of all parts and labor at approved warranty reimbursement rates
- If installed by a Dealer, reasonable towing charges (up to 35 miles or to the nearest Dealer) are covered only if the vehicle is not covered under another towing insurance coverage

Diesel Engine Stripped Long Blocks (6012/6V012) and Short Blocks (6009/6V009)

- 12 months from warranty start date (unlimited miles). Ford will cover 100% of all parts and labor at approved warranty reimbursement rates
- If installed by a Dealer, reasonable towing charges (up to 35 miles or to the nearest Dealer) are covered only if the vehicle is not covered under another towing insurance coverage

Warranty Start Date

- Dealer installed: The date of installation.
- Sold over the counter:
 - To a retail purchaser: The date of sale.
 - To a fleet, general installer or wholesaler: The date the part or accessory is installed (could be later than the date of sale).

Limitations to the Warranty

- The following limitation applies to the products covered by this Limited Warranty charges are covered if Ford remanufactured diesel engines are installed by Dealer and not reimbursable for Ford remanufactured diesel engines sold over the counter by a Dealer or Installer.

How to obtain Limited Warranty coverage for Ford Remanufactured Diesel Engines sold over-the-counter by a Dealer or Installer:

This statement applies to over-the-counter customers of a Dealer or Installer, such as a retail customer or fleet customer.

The Dealer or Installer can claim both parts and labor under the Limited Warranty if the retail customer, at his/her option:

- Returns the vehicle to the Installer (from which the assembly or component was purchased) or to any Dealer for repairs, or
- Returns the Ford Remanufactured Diesel Engine to the Installer (from which the assembly or component was purchased) or to any Dealer for repairs

NOTES:

- All independent repair facilities (IRF) and customers must call the Powertrain Assistance Center at 800-392-7946 for prior authorization before removing or replacing Ford Remanufactured Diesel Engine assemblies under Service Part Warranty."
- The original Installer or any Dealer (even though that particular Dealer was not the original purchaser/seller of the product) may claim under this Limited Warranty
- In order for the Dealer or Installer to claim under the Limited Warranty, the Dealer, Installer or customer (whether original customer or subsequent transferee) must provide the original owner's repair order or sales slip when repairs are requested
- Only new Ford Original Equipment or Ford authorized remanufactured parts or assemblies may be used to complete covered warranty repairs
- Installer labor reimbursement is calculated using Ford Labor Times Standard hours multiplied by the selling dealership's warranty labor rate, or the Installer's actual labor total, whichever is less
- Diagnostic steps taken to determine cause of warrantied concern with diagnostic results must be clearly documented on Installer repair order. (Warranty parts and labor reimbursement requests must be supported by diagnostic labor steps and test results)
- All parts replaced under warranty must be returned to your selling Dealer

THIS LIMITED WARRANTY DOES NOT COVER FORD REMANUFACTURED DIESEL ENGINES THAT FAIL DUE TO ABUSE, MISUSE, NEGLIGENCE, ALTERATION, ACCIDENT, RACING, THE USE OF NON-FORD PARTS, LACK OF PROPER MAINTENANCE, OR THAT ARE INSTALLED IN VEHICLES OTHER THAN THOSE LISTED IN FORD AUTHORIZED CATALOGS.

THIS LIMITED WARRANTY DOES NOT COVER PARTS WHICH ARE REPLACED AS PART OF NORMAL MAINTENANCE.

THIS LIMITED WARRANTY DOES NOT COVER REPEAT REPAIRS PERFORMED AS A RESULT OF A MISDIAGNOSIS OR IMPROPER PRIOR REPAIR.

TO THE EXTENT ALLOWED BY LAW, LOSS OF TIME, INCONVENIENCE, LOSS OF THE USE OF THE VEHICLE, COMMERCIAL LOSS, AND INCIDENTAL AND

CONSEQUENTIAL DAMAGES ARE NOT COVERED.

THERE IS NO OTHER EXPRESS OR IMPLIED WARRANTY ON THESE FORD REMANUFACTURED DIESEL ENGINES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS IS LIMITED TO THE DURATION OF THIS WRITTEN LIMITED WARRANTY

Warranty Reimbursement For Ford Remanufactured Diesel Engines Sold Over-The-Counter

Dealership actions required for assemblies that were sold Over-The-Counter and replaced/installed at a dealership

- Effective with repairs dated August 1, 2005, and later when an assembly that was sold OTC is brought to a Ford or Lincoln dealership for assembly replacement, dealers not on Reduced Warranty Requirements must obtain prior approval before replacing Ford Remanufactured Diesel Engines under OTC Service Part Warranty.
- Dealers can obtain prior approval by completing the Powertrain Approval form via the Professional Technician Society (PTS) website OR by contacting the Technical Hotline at (800) 826-4694 and selecting option #2 "Engine and Transmission Exchange Prior Approval".
- Reduced Warranty Requirement dealers are exempt from this requirement for REPLACEMENTS DONE IN THE DEALERSHIP for one year, but will be subject to review for inclusion in the Prior Approval process at the end of one year.

Dealer Reimbursement

- In order for a Dealer or Installer to claim under the Limited Warranty, the Dealer, Installer or customer (whether original customer or subsequent transferee) must provide the original owners repair order or sales slip that includes the VIN of the service vehicle, the current mileage of the service vehicle, the serial number of the part being replaced, and the labor amount charged for the replacement.
- Engine assemblies and components found defective before installation on the vehicle or before sale over-the-counter are to be returned for credit to your selling Ford Authorized Distributor for Powertrain Products.
- Dealers will be reimbursed for parts and labor (if applicable) at warranty rates.
- Reasonable removal and reinstallation labor is reimbursed when prior authorization is obtained.
- Vehicle towing required as a result of the failure of an assembly or part sold over-the-counter is not covered.

Dealership actions required for replacement of assemblies sold Over-The-Counter but NOT repaired/installed at a dealership.

- Ensure the OTC customer completes the Assembly Replacement Worksheet and calls the Powertrain Assistance Center (800-392-7946) for an authorization number when requesting replacement of an assembly.

DO NOT GIVE REPLACEMENT ASSEMBLIES WITHOUT THE POWERTRAIN ASSISTANCE CENTER AUTHORIZATION NUMBER.

For over-the-counter sales, the selling dealer is responsible for submitting a warranty claim on behalf of the over-the-counter customer, and reimbursing the customer for the repair.

Customer (retail and/or independent installer) actions required for Warranty Reimbursement for assemblies sold Over-The-Counter

- The over-the-counter customer (retail customer, fleet customer, or general installer) can, at their option:
 - 1) Return the vehicle to the Dealer from which the assembly was purchased for repairs during regular business hours for repair by the Dealer, or
 - 2) Return the defective Ford remanufactured diesel engine to the Dealer (from which the assembly was purchased) during regular business hours for repair by the Dealer, or
 - 3) Obtain replacement parts or assembly from the Dealer that sold the Ford remanufactured engine to complete repairs using labor supplied by the over-the-counter customer.

NOTE:

It is recommended that the over-the-counter customer call the dealer to discuss possible diagnostic procedures that should be taken before removal of the assembly.

IMPORTANT:

Effective with repairs dated August 1, 2005 and later, all independent repair facilities (IRF) and customers installing OTC diesel engines must call the Powertrain Assistance Center at 800-392-7946 for prior authorization before removing or replacing Ford Remanufactured Diesel Engine assemblies under OTC Service Part Warranty.

- The over-the-counter customer (whether original customer or subsequent transferee) must present a copy of the original sales receipt for the Ford remanufactured diesel engine.
- Labor reimbursed to the over-the-counter customer will be calculated based on the standard hours listed in the Ford Service Labor Time Standards Manual multiplied by the Dealer's (from which the engine assembly or component was purchased) approved warranty labor rate in effect on the date of repair, or the over-the-counter customer's actual labor amount, whichever is less.
- Vehicle towing required as a result of the failure of an assembly or part sold over-the-counter is not covered.
- Except as noted in the prior statements, all provisions and procedures outlined in the Warranty and Policy Manual apply to Ford remanufactured diesel engines installed or sold over-the-counter by Dealers.



APPENDIX - REMANUFACTURED DIESEL ENGINES

Ford of Canada Limited Warranty Statement

LIMITED WARRANTY STATEMENT FOR DEALER INSTALLED AND OVER THE COUNTER NEW OR REMANUFACTURED FORD OR MOTORCRAFT® DIESEL ENGINE COMPONENT OR DIESEL ENGINE ASSEMBLY

Dealer Installed: The dealer warrants to the original retail "Purchaser" that it will repair or replace any part of any new or remanufactured Ford or Motorcraft® diesel engine component or diesel engine assembly installed by the Dealer for the Purchaser that is found to be defective in material or workmanship.

Over the Counter: The dealer warrants to the original retail or fleet purchaser or to a wholesale purchaser for subsequent reselling (the "Purchaser") that it will repair or replace any part of any new or remanufactured Ford or Motorcraft® diesel engine component or diesel engine assembly sold by the Dealer to the Purchaser that is found to be defective in material or workmanship.

Any new or remanufactured Ford or Motorcraft® diesel engine found to be defective in factory supplied material or workmanship is subject to the following terms, conditions and limitations:

Complete Diesel Engine (6007, 6V007/CALGB) and Sealed Long Block Diesel Engine (6006, 6V006/SLGB):

- 24 months coverage from warranty start date (unlimited distance). Ford will cover 100% of all parts and labour.
- If installed by a Ford or Ford Lincoln Dealer, towing charges are covered to the nearest Dealer.

Unsealed Long Block Diesel Engine (6V012, LGB) and Short Block Diesel Engine (6009/6V009):

- 12 months coverage from warranty start date (unlimited distance). Ford will cover 100% of all parts and labour.
- If installed by a Ford or Ford Lincoln Dealer, towing charges are covered to the nearest Dealer.

Any new or Remanufactured Ford or Motorcraft® diesel engine component found to be defective in factory supplied material or workmanship is subject to the following terms, conditions and limitations:

- **Dealer Installed**
 - Parts and labour covered for 24 months from warranty start date (unlimited distance). Ford will cover 100% of all parts and labour.
 - Towing charges are covered to the nearest Dealer.
- **Over the Counter Retail:**
 - Parts only coverage for 24 months from warranty start date (unlimited distance). Ford will cover 100% of all parts.
- **Over the Counter Wholesale:**
 - Parts and labour covered for 24 months from warranty start date (unlimited distance) for a fleet or installer capable of professional workmanship. Ford will cover 100% of all parts and labour to a maximum of \$150.00 (except in the Province of Quebec, no maximum labour and towing is covered).

This statement applies to over-the-counter new or remanufactured Ford or Motorcraft® diesel engine assembly customers of a Dealer or Installer, such as a retail customer or fleet customer. The Dealer or Installer can claim both parts and labour (if applicable) under the Limited Warranty if the retail customer, at his/her option:

- Returns the vehicle to the Installer (from which the new or remanufactured Ford or Motorcraft® diesel engine assembly was purchased) or to any Dealer for repairs, or
- Returns the new or remanufactured Ford or Motorcraft® diesel engine assembly to the Installer (from which the new or remanufactured Ford or Motorcraft® diesel engine assembly was purchased) or to any Dealer for repairs
- The original Installer or any Dealer (even though that particular

Dealer was not the original purchaser/seller of the product) may take advantage of this Limited Warranty.

- *Installer labour reimbursement (if applicable) is calculated using Ford Labour Times Standard hours multiplied by the selling Dealership's warranty labour rate, or the Installer's actual labour total, whichever is less.*
- *Diagnostic steps taken to determine cause of warranted concern with diagnostic results must be clearly documented on Installer repair order. (Warranty parts and labour reimbursement (if applicable) requests must be supported by diagnostic labour steps and test results).*

To retain the safety and dependability built into this product, it is essential that your new or remanufactured Ford or Motorcraft® diesel engine assembly receives the scheduled maintenance at the recommended intervals contained in your vehicle Owner's Manual/Maintenance Schedule guide.

Conditions applicable to the diesel component and diesel engine assembly warranty*

- Warranty start date is the date of dealer installation. For over the counter it is the date of retail purchase or date of installation of independent repair facility and fleet purchases
- Copy of original owner's repair order or sales slip
- For a service part replacement or repair under warranty, the part receives the balance of the original part warranty and does not start over
- The dealer will retain the defective parts/assemblies covered by warranty
- Transferability: In the Province of Quebec, all of the warranties herein are transferable. Outside of the Province of Quebec warranty is not transferable
- The purchaser must return to a Ford or Ford Lincoln dealer for repair or replacement services
- When the subject part or assembly is no longer serviced (or stocked) by Ford, the dealer reserves the right to refund the money originally paid by the Purchaser for the particular parts or assembly and related labour. Any balance of warranty coverage is void

WARRANTY LIMITATIONS TO NEW OR REMANUFACTURED FORD OR MOTORCRAFT® DIESEL ENGINE COMPONENT OR DIESEL ENGINE ASSEMBLY:

THIS WARRANTY DOES NOT COVER NEW OR REMANUFACTURED FORD OR MOTORCRAFT® DIESEL ENGINES OR DIESEL ENGINE COMPONENTS THAT FAIL DUE TO ABUSE, MISUSE, NEGLIGENCE, ALTERATION, ACCIDENT OR RACING OR WHICH HAVE BEEN IMPROPERLY LUBRICATED OR REPAIRED, IMPROPERLY INSTALLED, OR USED IN APPLICATIONS FOR WHICH THEY WERE EITHER NOT DESIGNED, OR FUNCTIONALLY INTENDED, OR NOT APPROVED BY FORD MOTOR COMPANY OF CANADA LIMITED OR ARE CLEANED, ADJUSTED OR REPLACED AS A PART OF NORMAL MAINTENANCE OR FAILURES CAUSED BY NON-FORD PARTS. IN THE PROVINCE OF QUEBEC, NONE OF THE FOLLOWING LIMITATIONS AND EXCLUSIONS WILL EXCLUDE OR RESTRICT THE WARRANTY PROVIDED FOR IN SECTIONS 37 AND 38 OF THE QUEBEC CONSUMER PROTECTION ACT. TO THE EXTENT ALLOWED BY LAW, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE VEHICLE, COMMERCIAL LOSS, OR SPECIAL OR CONSEQUENTIAL DAMAGES ARE NOT COVERED. THERE IS NO OTHER EXPRESS WARRANTY, AGREEMENT OR REPRESENTATION ON FORD SUPPLIED REPLACEMENT PARTS AND ACCESSORIES. ANY IMPLIED WARRANTY OR CONDITION AS TO MERCHANTABILITY OR FITNESS IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

*THIS WARRANTY DOES NOT PRECLUDE THE OPERATION OF ANY APPLICABLE PROVINCIAL STATUTE, WHICH IN CERTAIN CIRCUMSTANCES MAY NOT ALLOW SOME OF THE LIMITATIONS AND EXCLUSIONS DESCRIBED IN THIS WRITTEN WARRANTY.

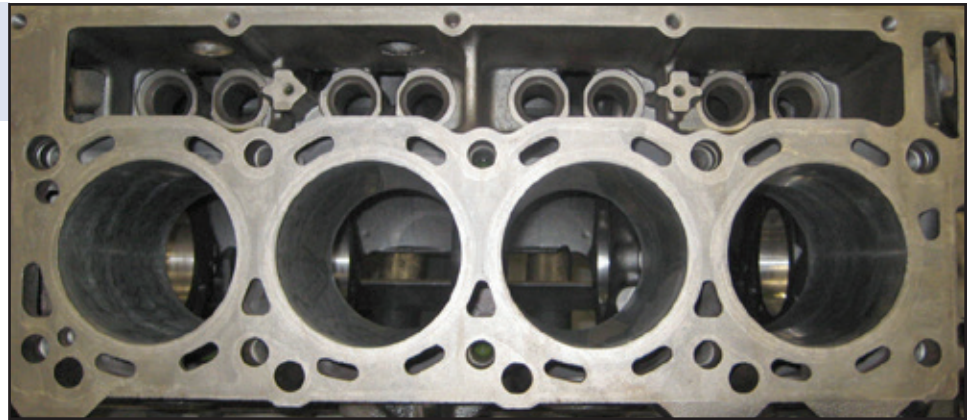
Acceptable Appearance of Remanufactured Short Block Engine Head Gasket Sealing Surfaces

Crankcases on Ford Power Stroke Diesel remanufactured engines are completely reconditioned to OEM standards. All standards for the head gasket sealing surface are meticulously maintained by the remanufacturing center including: surface finish, flatness and cleanliness.

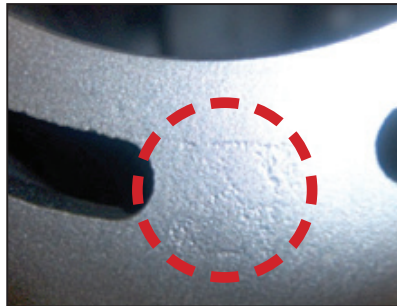
The head faces on remanufactured short block engines may show witness marks from the originally installed head gasket. This is completely normal. In addition, the head face may show signs of pitting in areas where the original head gasket did not cover the head face. This is also acceptable and creates no issues in head gasket sealing or engine durability.

The included photos show some examples of normal, non-troubling, head face conditions that may be seen in remanufactured crankcases.

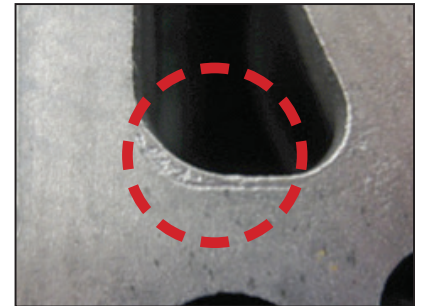
Head face showing witness marks of original head gasket.



Detail of head face showing pitting in "dead port" area of head gasket.



Detail of head face showing some pitting in area where head gasket shape does not conform to crankcase port shape.



Another detail of head face showing pitting in a different area where head gasket shape does not conform to crankcase port shape.



APPENDIX - REMANUFACTURED DIESEL ENGINES

Diesel Engine Core Return Guidelines

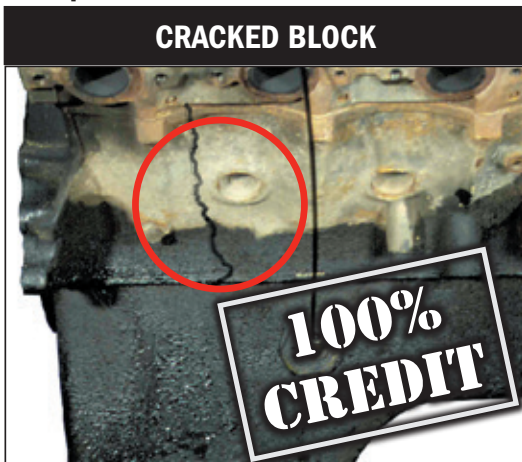


Ford remanufactured engines are packaged in returnable protective containers to ensure the greatest degree of product protection. It is equally important that the returned core be given the same protection. Such attention contributes to the overall effort of providing high-quality, competitively priced products.

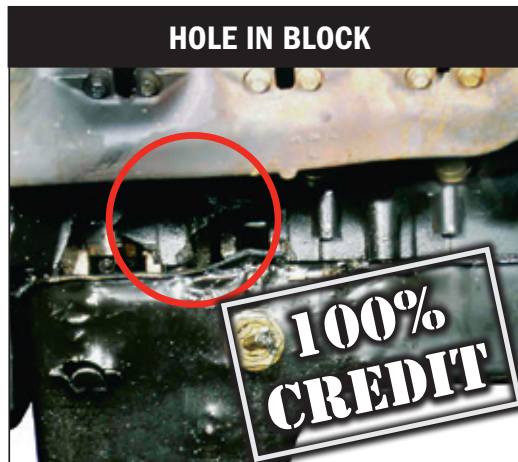
To receive 100% credit for your returned diesel engine core, please make sure the following steps are taken prior to return:

- 1 Cores must be returned in original dunnage. Re-use the plastic bag in base of returnable containers to avoid residual oil spills.
- 2 Cores must be drained of all fluids (oil and coolant) prior to being inserted into original dunnage.
- 3 Cores must be fully assembled and as complete as the replacing engine:
 - No loose parts in dunnage.
 - No missing parts, e.g., turbocharger should not be missing on a 6007 DIT engine.
 - Must be "like for like", e.g., if you purchased a 6.0L 6007 engine, you must return a core for a 6.0L 6007 engine.
- 4 Securely tighten web straps so core sits firmly on base.

Example:



Example:



No Risk Core Policy

If your core meets the eligibility requirements (listed in steps 1-4), your core will be accepted for return and 100% credit will be given. No core credit deductions will be assessed for the quality of the returned engine core.

Extend the Life of your Engine! Diesel Engine Overhaul Kits

If your engine block and other major external components are in good condition, an overhaul kit is for you. These Original Equipment (OE) engine overhaul kits deliver an affordable alternative to purchasing an aftermarket rebuilt or used engine.

KITS AVAILABLE FOR 6.4L, 6.0L, 7.3L AND 6.9L ENGINES

COMPETITIVE ADVANTAGES

- 100% new genuine OE parts ensure quality
- Proprietary engineering enhancements
- Complete bill of materials helps you begin with confidence, knowing you have all the parts you need
- OE instruction sheets for specific part installations
- New oil cooler included, resulting in higher-quality repair
- Nationwide Warranty Coverage (See reverse)



6.4L DIT Overhaul Kit Shown

6.4L POWER STROKE DIESEL ENGINE OVERHAUL KIT

111 unique part numbers and 359 total kit pieces

Upgraded Components Extend Service Life

- **Connecting Rod Bearings**
 - Machined chamfering
- **Crankshaft Bearings**
 - Improved bearing overlay
- **Engine Sensors**
 - More robust design
- **Exhaust Flange Gaskets**
 - Thicker material to improve load distribution and sealing
- **Front Crankshaft Seal**
 - One-piece design helps prevent leaks
- **High Pressure Pump Gasket**
 - Enhanced shielding to help prevent wire chafing
- **Low Pressure Oil Pump**
 - Redesigned assembly reduces engine noise
- **Oil Cooler & Water Pump Gaskets**
 - Improved compound helps prevent deterioration and leaks
- **Thermostat**
 - Redesigned bypass plate helps prevent damage at high-rpms

Additional New Genuine OE Parts

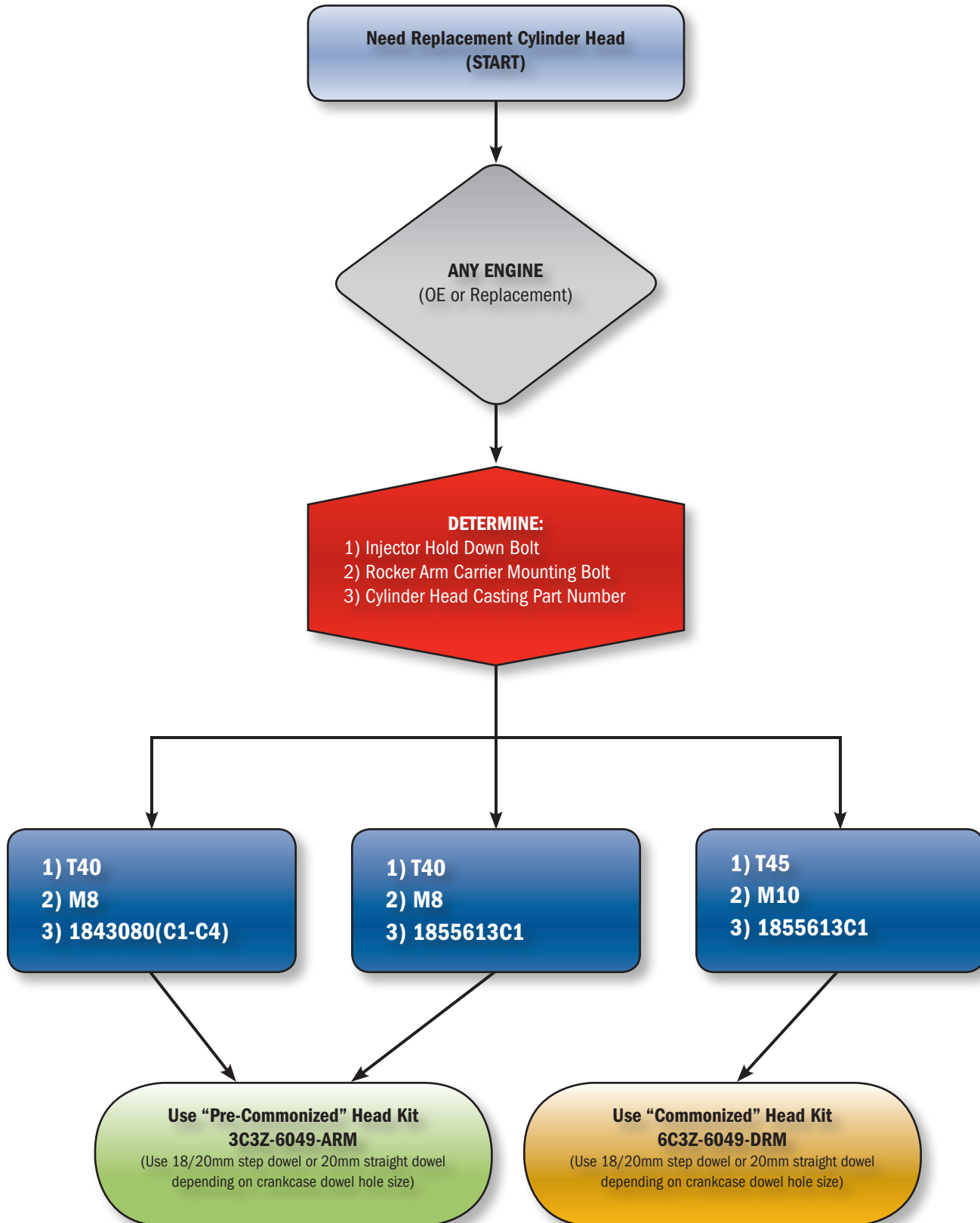
- **Pistons, Pins, and Rings**
- **Oil Cooler**
- **Glow Plugs & Harnesses**
- **EGR Cooler Hoses & Clamps**
- **Cylinder Head Gaskets & Bolts**
- **Crankcase Breather**
- **Turbocharger Oil Feed Line**
- **Oil and Fuel Filters**
- **High Pressure Pump Tubes**
- **Fuel Injector Tubes**
- **All required Bearings**
- **All required Gaskets & Installation Hardware**

*See overhaul kit section (pages 51-53) for Bill of Materials comparisons & applications



APPENDIX - ENGINE COMPONENTS

6.0L Replacement Cylinder Head Kit Selection



Save Time, Effort and Money with a Pre-Programmed FICM.

What is a FICM?

The Fuel Injection Control Module (FICM) sends an electrical impulse to the injector, to deliver the correct amount of fuel to the engine cylinder at the precise moment it's needed. It's vitally important to the engine's performance and fuel economy.

Ford Genuine Parts offers Fleets and Installers three outstanding choices when it comes to FICM replacement.



Pre-programmed FICM

When every moment of downtime matters, busy shops will reach for a Pre-programmed FICM. It's perfect for field repairs because there's no need to tow the vehicle, transport programming equipment to the repair site or perform any programming back at the shop. Just swap the unit and the engine is back in service.

Half-Shell FICM

When the FICM DC-to-DC voltage converter requires replacement, a cost-effective solution is to replace only that component. This half-shell repair costs less and does not require unit reprogramming, assuming that the vehicle has the latest software updates from Ford Motor Company. This option is an effective repair solution in over 90% of FICM replacement situations. To determine if a half-shell repair is the solution, see Ford Technical Service Bulletin TSB 10-12-06, found in the Ford Technical Resource Center (see your local Ford dealership for details).

Full, Field-Programmable FICM

Some F-650/F-750 and LCF applications require a full, field-programmable FICM repair. In those instances, the technician custom-programs the unit to the subject vehicle using a scan tool programming function.

All three versions of Ford FICMs feature proprietary engineering enhancements available only from Genuine Ford Parts. Choose the version that's best for your situation to minimize downtime and repair expense while maximizing durability and performance.



APPENDIX - ENGINE COMPONENTS

Choose Genuine Ford Remanufactured FICMs

Aftermarket Units Can't Compare

Only Genuine Ford Remanufactured Fuel Injection Control Modules (FICMs) feature proprietary engineering enhancements.

Product engineering and remanufacturing processes are continuously improved to minimize downtime and repair expense while maximizing durability and performance.

Product Features:

- New, re-engineered resistors feature robust “shock absorber” electrical leads to resist solder cracking due to vibration
- Vacuum-checked, gasketed cover resists leaks
- Unpainted aluminum housing releases heat to protect internal components

Process Improvements:

- Updated circuit board torque procedure enhances service life
- Improved tooling for precise unit assembly
- Enhanced end-of-line quality checks and thermal testing

Factory Engineered. Factory Backed.

Genuine Ford Remanufactured FICMs are backed by a comprehensive Service Part Warranty. Parts and labor* are covered for two years and unlimited miles with no commercial exceptions, so you can install with confidence!

Now with Two-Year / Unlimited Miles Warranty

- Including Labor*
- No Commercial Exceptions!

*Labor may have a limit. See your seller for a copy of the limited warranty.

Available in three configurations to provide a version that's best for your situation.

1. Pre-Programmed FICM



2. Half-Shell FICM



3. Field-Programmable FICM



For videos and additional information on FICMs and other components, scan the QR code with your mobile device.



Choose Genuine Ford Remanufactured FICMs

Aftermarket “Reman” Units Don’t Measure Up

When time is money, installing aftermarket FICMs can be risky. Some rebuilders employ the “find and fix” solution, simply re-soldering the most common component failure. Then the FICMs are reboxed and sold as “remanufactured”. Ford’s remanufacturing process provides the specific competitive advantages shown below.

Genuine Ford FICM Competitive Advantages			
<h3>Power Supply Board Resistors</h3>		<h3>Vibration Resistance</h3>	
Competitor	Genuine Ford	Competitor	Genuine Ford
<p>Old Resistor PC Board</p> <p>Reused resistors result in crack-prone electrical leads.</p>	<p>NEW Resistor PC Board</p> <p>New, re-engineered resistors feature robust “shock-absorber” electrical leads.</p>	<p>Hot-melt glue drizzled over resistors can lock in damaging heat.</p>	<p>Resistors with “shock-absorber” electrical leads eliminate need for hot-melt glue.</p>
Ford engineers address the cause of the failure, not the symptom.		Vibration resistance is engineered into the resistors, not added on.	
<h3>Soldering Techniques</h3>		<h3>FICM Housing Finish</h3>	
Competitor	Genuine Ford	Competitor	Genuine Ford
<p>Cold Solder Joint PC Board</p> <p>“Cold” solder joints may be present, resulting in poor electrical contact, cracking and component failure.</p>	<p>Correct Solder Filleting PC Board</p> <p>Correct solder filleting of re-engineered Genuine Ford resistor leads ensure proper electrical contact and resist cracking.</p>	<p>A painted FICM housing traps heat and can promote water leaks.</p>	<p>Ford leaves its housings unfinished to help radiate heat.</p>
Resists cracking from supply board.		Radiates heat and resists leaks.	

**When time and money count,
choose Genuine Ford Remanufactured FICMs**



APPENDIX - ENGINE COMPONENTS

6.0L Power Stroke® Diesel Injector – Achieve Optimal Performance

The 6.0L Power Stroke Diesel Engine utilizes a hydraulic injection system where high pressure engine oil is used to compress diesel fuel. The fuel injector is used to precisely control the delivery of the fuel into the combustion chamber. Following appropriate maintenance intervals and using the proper Motorcraft Original Equipment parts will ensure optimal injector durability.

Normal and Special Operating Conditions:

Customers use Power Stroke Diesel engines for a variety of applications, creating a need for two distinct maintenance interval schedules. The first schedule, called “Normal Operating Conditions”, applies to most personal use vehicles. The second schedule, called “Special Operating Conditions”, applies to many commercial use applications, including:

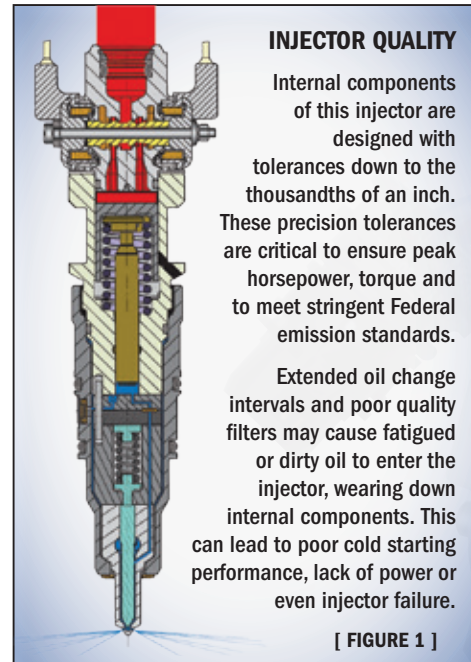
- Frequent or extended idling
 - Over 10 minutes per hour
- Frequent low speed operation
 - Sustained heavy traffic less than 25 MPH (40 KM/H)
 - One hour of idle time, is equal to approximately 25 miles (40 km) of driving
- If vehicle is operated in sustained ambient temperatures below -10°F (-23°C) or above 100°F (38°C)
- Operating in severe dust or off-road conditions
- Towing a trailer over 1,000 miles (1,600 km)
- Sustained, high speed driving at Gross Vehicle Weight Rating (maximum loaded weight for vehicle operation)
- Use of any Biodiesel
 - B5 is the maximum allowable blend to be used in a 6.0L Power Stroke® Diesel

Oil Change Intervals:

Under Normal Operating Conditions, oil and filter changes are specified every 7,500 miles (12,000 km). If the Special Operating Conditions schedule applies to your vehicle, oil and oil filter changes should be performed every 5,000 miles (8,000 km), three months or 200 hours of operation (whichever occurs first). For engines that experience high idle times, maintenance intervals should be based on engine hours as opposed to mileage (F-Series trucks built after 2004 are all equipped with hour meters).

Fuel System Maintenance Intervals:

Fuel filters are specified to be replaced at every other oil change. Under Special Operating Conditions, both fuel filters should be replaced every 10,000 miles (16,000 km), six months or 400 engine hours (whichever occurs first). Following the appropriate maintenance intervals will help ensure adequate fuel pressure. Figure 1 shows that diesel fuel acts not only as a lubricant for the injector, but also as a cushion, preventing metal on metal contact of the internal components. If adequate fuel pressure is not attained, the internal components can wear down, and lead to injector misfires or injector failure.

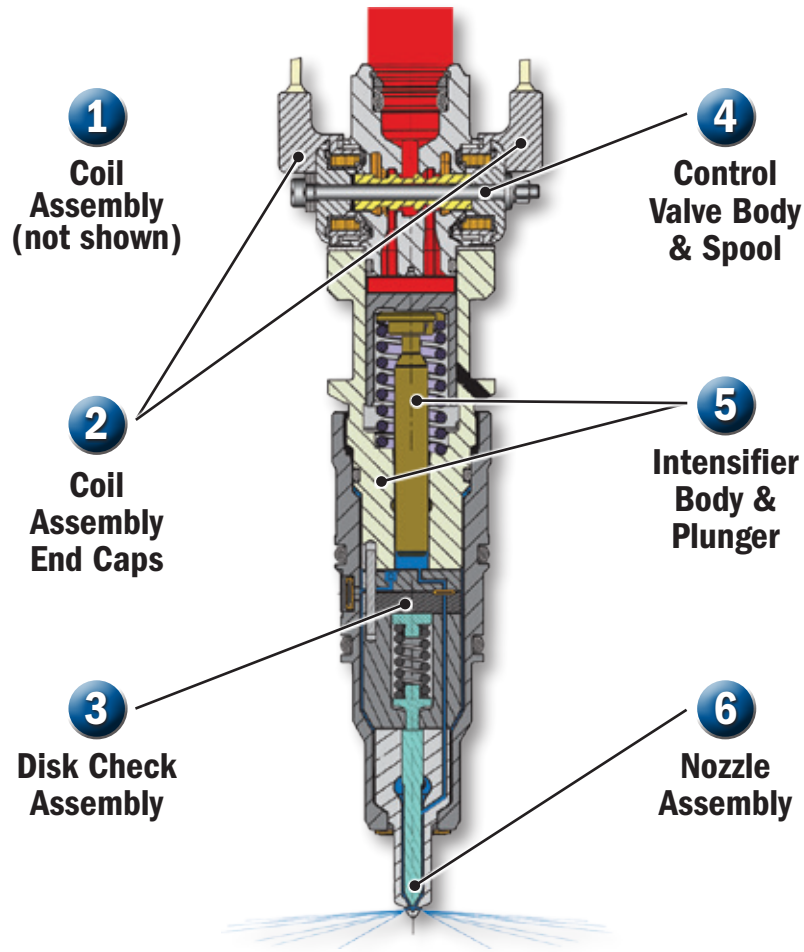


Bottom Line:

Proper maintenance of the 6.0L oil and fuel systems will ensure optimal injector durability. Clean oil is necessary to protect the precise internal components, while adequate base fuel pressure lubricates and cushions the injectors. Based on your driving habits, maintenance should be performed according to the Normal or Special Operating Conditions schedule. High idle times should be monitored and maintenance should be performed every 200 engine hours. Following the recommended maintenance intervals and using Genuine Motorcraft filters will allow the fuel injectors to provide the power and performance that Power Stroke Diesel owners demand.



Motorcraft Remanufactured Injector Competitive Advantages



	Injector Component	Motorcraft	Competition	Motorcraft Benefit
1	Coil Assembly	New	Used	New coil assembly prevents wire fatigue and poor starting
2	Coil Assembly End Caps	New	Used	Vented slot prevents “stiction” and ensures smooth engine performance in cold start conditions
3	Disk Check Assembly	High pressure sealing surfaces are refinished to OE specifications	Does not refinish or laps sealing surface, which can create leakage paths.	Maintaining less than 2 microns of flatness assures injector long life, high mileage and performance
4	Control Valve Body & Spool	New spools	Used spools	Optimal injector operation
5	Intensifier Body & Plunger	Precision match honed New plungers	Used plungers	Greater durability and reliability
6	Nozzle Assembly	100% flow tested	Not flow tested	Flow testing ensures proper injector performance and emissions

All Motorcraft fuel injector remanufactured components are tested on the same equipment as new components

GENUINE POWER. GENUINE PERFORMANCE. GENUINE PARTS.



APPENDIX - MAINTENANCE

Stay Cool Under Pressure – Maintain your Cooling System

Diesel fuel combustion creates substantially more heat than gasoline combustion. That makes it critical to properly maintain your cooling system, to help prevent overheating of vital engine components and help protect internal engine passages from rust, corrosion and electrolysis damage. Your Power Stroke Diesel's cooling system tackles:

Three Big Cooling Jobs – Engine, Exhaust & Oil



Engine Cooling

Engine coolant absorbs excess heat from the engine to help prevent overheating. Heat is released as the coolant is circulated through the radiator at a flow rate of over 100 gallons per minute (6.0L, 6.4L & 6.7L engines).

Exhaust Cooling

The Exhaust Gas Recirculation (EGR) Cooler uses engine coolant to reduce exhaust gas temperature by as much as 700 degrees F. Cooled gas then recirculates into the engine to control emissions (6.0L, 6.4L & 6.7L engines).

Oil Cooling

The oil cooler helps prevent engine oil overheating and breakdown by transferring oil heat into the coolant, which returns to the radiator for cooling (6.0L, 6.4L & 6.7L engines).



GENUINE **POWER.** GENUINE **PERFORMANCE.** GENUINE **PARTS.**

Keep It All Original

Original Equipment Advantages

Genuine Ford and Motorcraft replacement parts are the only parts Ford Motor Company recommends for your Power Stroke Diesel.

Motorcraft Coolants

Motorcraft Coolants provide the required additives at the proper levels to help protect your Power Stroke Diesel engine from cooling passage corrosion, oil cooler or EGR cooler clogging and cylinder wall cavitation.



EGR Cooler

The Genuine Ford EGR Cooler's high efficiency tube-and-fin design cools exhaust gases more effectively than aftermarket tube-in-tube designs. This reduces thermal stress on cylinder head gaskets and intake/exhaust valves, resulting in longer component life.



Oil Cooler

The Genuine Ford Oil Cooler helps to ensure proper cooling and flow rates. Tests show that the Genuine Ford cooler is more than twice as durable as some aftermarket products.



2-Years/Unlimited Nationwide Warranty

Risks of Using Aftermarket Components

Aftermarket Coolant

- The wrong coolant or mixing coolant types can result in sludging, corrosion, overheating, cavitation and loss of performance
- Aftermarket coolants may not have the correct additives to protect your Power Stroke Diesel engine
- Protect your engine – and your warranty – with fresh Motorcraft Coolant. See the guide on page 147 to find the correct coolant type designated specifically for your Power Stroke Diesel engine

Aftermarket EGR Coolers & Delete Kits

- Can increase emissions, degrade head gaskets, overheat valves and violate Emissions and Anti-Tampering Laws, which may void your warranty and result in fines
- Aftermarket EGR Coolers may be less efficient at removing heat (50% efficient vs. Genuine Ford 80% efficient), resulting in excess heat through the intake system
- Delete Kits are illegal for vehicles driven on road, and may result in failed emissions tests and/or fines

Aftermarket Oil Cooler

- May not shed enough heat, potentially causing failure of fuel injectors, high pressure oil pump, turbochargers and engine bearings
- Test results of two aftermarket oil coolers:
 - Failed to meet 50% of OE performance specs
 - Failed to match OE dimensions, potentially causing serviceability and leak-free service issues
 - Found excessive solder flux that can react with coolant to form a gel that clogs coolant passages



APPENDIX - MAINTENANCE

Power Stroke Diesel Maintenance Intervals

F-250 – F-550 and E-Series Diesel Vehicles

Special Operating Conditions Schedule*				
PROCEDURE	7.3L**	6.0L	6.4L	6.7L
Coolant Check/ Change	Change: – Initial 45,000 miles (72,000 km) – Subsequent every 30,000 miles (48,000 km)	Check: Every 15,000 miles (24,000 km) or 600 engine hours Change: Every 45,000 miles (72,000 km) or 1,800 engine hours	Check: Every 20,000 miles (32,000 km) or 800 engine hours Change: Every 60,000 miles (96,000 km) or 2,400 engine hours	Change: – Initial 60,000 miles (96,000 km) or 2,400 engine hours – Subsequent every 45,000 miles (72,000 km) or 1,800 engine hours
Coolant Quality Check	Check: Every 6 months	Check: Every 15,000 miles (24,000 km) or 600 engine hours	Check: Every 20,000 miles (32,000 km) or 800 engine hours	Check: Every 15,000 miles (24,000 km) or 600 engine hours

*Special Operating Conditions include extensive towing, long idle time, extended low-speed driving, biodiesel use and off-road/dusty conditions.

**Applies to model years that use Green Antifreeze/Coolant. Late model 7.3L engines that use Gold Antifreeze/Coolant should follow the 6.0L column.

NOTE: See www.fordowner.com for complete maintenance schedule details.

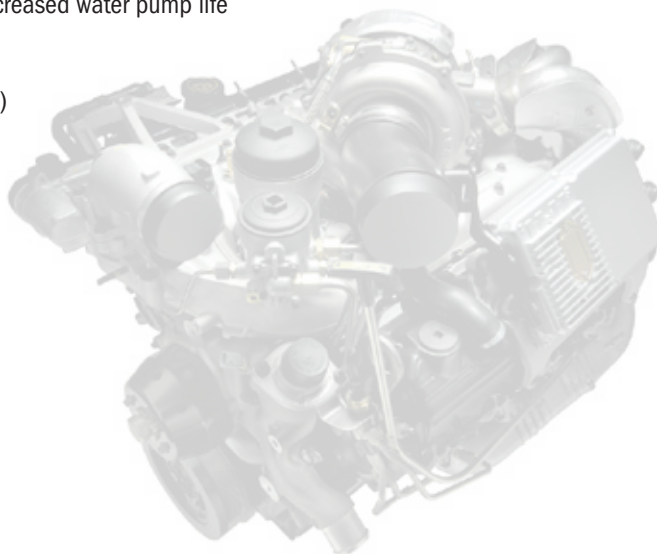
When should I flush my Power Stroke Diesel engine's cooling system?

A coolant flush should be performed when contaminants are found inside the engine's cooling system. If a flush is needed, use Motorcraft Engine Cooling System Iron Cleaner, VC-9. Motorcraft VC-9 is designed to remove rust and other cooling system contaminants that restrict flow inside the cooling system.

Hard Water Alert

- The use of tap water in some geographical areas can lead to unacceptable scaling and/or corrosion protection of the cooling system, as well as decreased water pump life
- Options for maintaining your cooling system:
 - Use pre-diluted coolant (see page 147 for Part Numbers)
 - Use distilled water to dilute full-strength coolant
 - Use tap water to dilute full-strength coolant (see note below regarding use of tap water)

NOTE: When using tap water to dilute full-strength coolant or to flush the cooling system, test for hardness, pH and chloride levels using Rotunda test strips (see your local Dealer). If any criteria are not met, do not use tap water



Motorcraft Power Stroke Diesel Engine Coolant

7.3L

- Most 7.3L engines use Motorcraft Green Antifreeze/Coolant, although some model years were factory-filled with Motorcraft Gold Antifreeze/Coolant
- With Motorcraft Green Antifreeze/Coolant, add Motorcraft Diesel Cooling System Additive every 15,000 miles



6.0L & 6.4L

- Motorcraft Gold Antifreeze/Coolant
- Use Rotunda test strip to test for coolant quality
- Add Motorcraft Diesel Cooling System Additive as indicated on the test strip kit's instructions



6.7L

- Motorcraft Orange Antifreeze/Coolant
- Use Rotunda test strip to test for nitrate contamination and reserve alkalinity
- Add Motorcraft Specialty Orange Engine Coolant Revitalizer as indicated on the test strip instructions



	7.3L*	6.0L & 6.4L	6.7L
Full-Strength Coolant	VC-5 (USA) / CVC-5 (CAN)	VC-7-B (USA) / CVC-7-B2 (CAN)	VC-3-B (USA) / CVC-3-B2 (CAN)
50/50 Pre-diluted Coolant	VC-5DIL (USA)	VC-7DIL-B (USA) /CVC-7DIL-B2 (CAN)	VC-3DIL-B /CVC-3DIL-B (CAN)
Additive	VC-8 (USA & CAN)	VC-8 (USA & CAN)	VC-12** (USA & CAN)
Coolant Test Strips	328-2050-62291	328-2050-62291	328-2050-62291/328-R071-ELC
Tap Water Test Strips	328-00007	328-00007	328-00007

*Some late model 7.3L engines use Gold Antifreeze/Coolant – see the 6.0L & 6.4L column for Gold Antifreeze/Coolant part numbers.

** VC-12 can only be used/added twice over the lifetime of the coolant.

Keep Tabs On Your Power Stroke Diesel's Cooling System

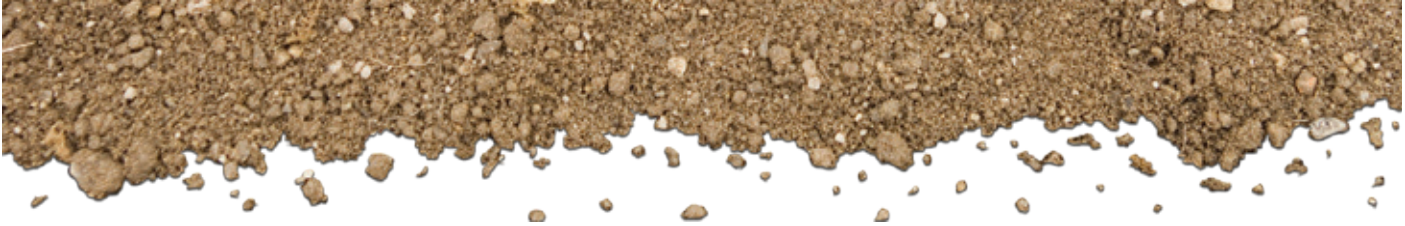
- Use OE replacement parts to ensure the reliability you expect from your Power Stroke Diesel
- Use the proper Motorcraft Coolant type – Green, Gold or Orange – for your specific engine model
- Use the correct Rotunda Coolant Test Strips to test for coolant quality
- Follow Diesel cooling system check and change intervals for your specific engine model, using only Motorcraft-branded chemicals
- NEVER mix coolant types

GENUINE POWER. GENUINE PERFORMANCE. GENUINE PARTS.



APPENDIX - MAINTENANCE

Leave Dirt & Water Behind! – Use Motorcraft Fuel Filters



There's not many things worse for your engine than water and dirt. Water or dirt in your fuel leads to plenty of potential problems:

- Fuel pump failure
- Injector failure
- Rust build-up in the engine's passages

Diesel fuel provides power but also lubricates your fuel pumps and injectors. When too much water or dirt gets in the fuel, the fuel pumps and injectors do not have the lubrication they need and can fail.

Keep your fuel clean!

A fuel filter's job is to keep dirt and debris out of the engine; however other brands' fuel filters just do not stack up against the Motorcraft design. Motorcraft fuel filters have a patented air bleed orifice that allows fuel to flow through the entire fuel filter.

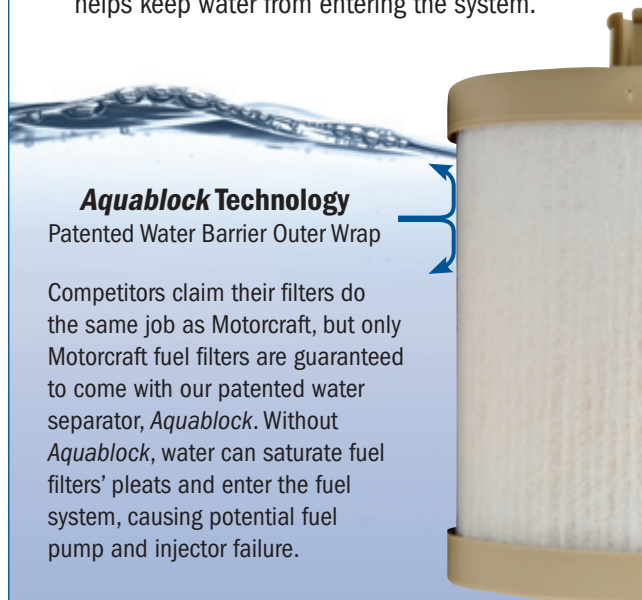
Most other brands' fuel filters do not have an air bleed orifice and cannot be completely purged of air.

- Air prevents fuel from flowing through the entire filter.
- Fuel that does not flow through the entire filter results in low fuel flow and dirt bypassing the filter. Both of these issues can cause fuel pumps and injectors to fail.

Keep water out!

Another critical fuel filter function is to keep water out of the fuel system. Two simple ways to accomplish this are:

1. Drain the vehicle's water separator every oil change or at least every month.
 - Located in the Fuel Conditioning Module underneath the driver's side of the vehicle
 - Drain immediately if the dashboard light illuminates
2. Use Motorcraft fuel filters with Aquablock, our patented water separator technology, which helps keep water from entering the system.



Aquablock Technology

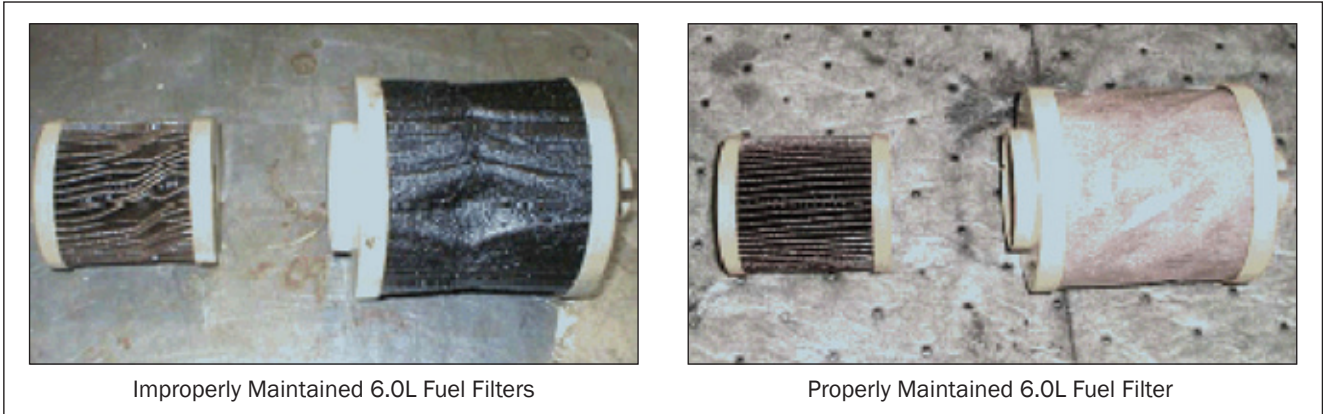
Patented Water Barrier Outer Wrap

Competitors claim their filters do the same job as Motorcraft, but only Motorcraft fuel filters are guaranteed to come with our patented water separator, *Aquablock*. Without *Aquablock*, water can saturate fuel filters' pleats and enter the fuel system, causing potential fuel pump and injector failure.

Be sure to follow the appropriate fuel filter maintenance intervals. Use Genuine OE Motorcraft fuel filters to help keep water and dirt out of your fuel system, enhancing long life for your fuel injectors and pumps. A complete maintenance schedule specific to your vehicle can be found at www.fordowner.com.

Protect Your Fuel Injectors With Regular Fuel Filter Maintenance

Fuel filter maintenance is every bit as important as changing your oil and oil filter at regular intervals. Failure to replace both your primary and secondary fuel filters at the recommended interval can cause damage to your engine.



Note: Deformed filters are due to extended fuel filter maintenance intervals.

Change the fuel filters at every other oil and oil filter change (the recommended interval for 6.4L and 6.0L engines), as shown in the maintenance schedule below.

Ford-Recommended Special Operating Maintenance Schedule*

	7.3L Engine	6.0L Engine	6.4L Engine	6.7L Engine
Oil & Oil Filter Change Intervals	3,000 miles (4,800 km) or 3 months	5,000 miles (8,000 km) 200 engine hours or 3 months	5,000 miles (8,000 km) 200 engine hours or 3 months	Check message center
Fuel Filter Change Intervals**	15,000 miles (24,000 km)	10,000 miles (16,000 km) 400 engine hours	10,000 miles (16,000 km) 400 engine hours	15,000 miles (24,000 km) 600 engine hours

*Special Operating Conditions include extensive towing, long idle time, extended low speed driving, biodiesel use, and off road/dusty conditions.

**Drain fuel filter/water separator monthly, or sooner, if the WATER IN FUEL light illuminates in the instrument cluster.

6.4L & 6.0L Motorcraft Fuel Filters

- Recommended by Ford Motor Company for use in your Power Stroke Diesel engine (includes 7.3L and 6.7L)
- Patented Aquabloc Technology ensures separation of water from fuel. This special outer wrap keeps moisture out
- Primary fuel filter removes all particles 10 microns* and larger (includes 6.7L)
- Secondary fuel filter removes all particles 4 microns* and larger
- Air bleed orifice is engineered to utilize the full potential of the filter pleats. This allows air to be completely purged from the module, ensuring proper fuel flow

*For comparison purposes, a human hair is approximately 74 microns

A complete listing of maintenance requirements is available in your vehicle's scheduled maintenance guide or on the web at www.fordowner.com.



APPENDIX - MAINTENANCE

Why Motorcraft Filters?

Quality & Confidence - Motorcraft filters meet all new vehicle warranty requirements, reduce engine wear, and enhance engine performance and reliability.

Air Filter

6.7L Engines



- Contains twice the amount of filter media versus conventional pleated filters
- Meets 98.5% efficiency standard in coarse dust testing and has excellent dirt retention properties
- Dry type cleaner elements are chemically treated to withstand damage from oil and moisture
- Tight, leak proof, polyurethane seals and specially designed adhesives ensure performance and withstand elevated under-hood temperatures

6.4L & 6.0L Engines



- 99.99% efficient @ one micron* and larger, holds over three pounds before needing replacement
- Contains twice the amount of filter media versus conventional pleated filters
- Same filter technology as used in the M1 Abrams tank!

Fuel Filter



- FD4615 kit contains one replacement cartridge, one complete filter assembly, and associated gaskets
- Makes for easier maintenance (less labor) because only one cartridge is replaced and the second filter is replaced as an assembly
- Environmentally friendly top-load cartridge element
- 98% efficient @ 10 microns and larger
- Water removal efficiency is 96.5% or greater



- Environmentally friendly primary and secondary cartridge elements
- 95% efficient @ four microns and larger*
- Exclusive, patented Aquabloc technology used to treat filter media ensures separation of water from fuel
- Water removal efficiency is 95% or greater

Oil Filter



- Achieves an efficiency of 98% at 18 microns and holds up to 29 grams of contaminants
- Holds 1.5 quarts of oil
- Rated at 20 microns absolute
- Dust holding capacity of 29 grams
- 100% microglass media
- Silicone anti-drain back valve



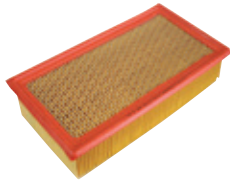
- 95% efficient @ 20 microns and larger*
- Environmentally friendly, top-load, "dripless" cartridge element
- Precisely engineered for your Power Stroke Diesel engine

Motorcraft Super Duty Diesel Motor Oil

- Specially formulated for use in 6.7L, 6.4L, 6.0L, and 7.3L Power Stroke® Diesel engines
- Low ash formulation designed for conventional and turbocharged diesel engines using Ultra Low Sulfur Diesel Fuel
- Meets API Performance Category CJ-4 (15W-40, 10W-30, 5W-40)
- Minimizes foaming, provides excellent soot control, and fights sludge, varnish, rust, corrosion, and wear



7.3L Engine



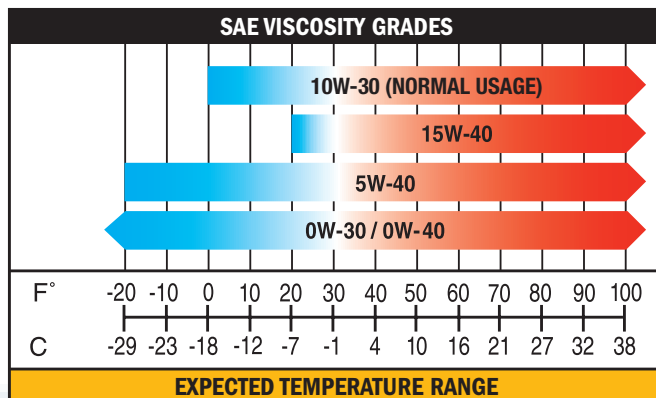
- Meets 98.5% efficiency standard in coarse dust testing and has excellent dirt retention properties
- Dry type cleaner elements are chemically treated to withstand damage from oil and moisture
- Tight, leak proof, polyurethane seals and specially designed adhesives ensure performance and withstand elevated under-hood temperatures



- Environmentally friendly top-load cartridge element
- 98% efficient @ 10 microns and larger*
- Water removal efficiency is 96.5% or greater



- 98% efficient @ 18 microns and larger*
- The anti-drain-back valve prevents dry starts with material formulated to resist aging from engine heat



Motorcraft Air Filters

Model Year	Engine	Part Number
2011-Present	6.7L DIT F-250/550	FA-1902 and FA-1909
2008-2010	6.4L DIT F-250/550	FA-1886
2006-2009	4.5L LCF-Series	FA-1779
2004-2010	6.0L DIT E-Series	FA-1804
2003-2007	6.0L DIT F-250/550, Excursion	FA-1778
2003-2007	6.0L DIT F-650/750	FA-1753
2000-2003	7.3L DIT F-650/750	FA-1738
1999.5-2003	7.3L DIT F-250/550, Excursion	FA-1750
1999	7.3L DIT F-250/550	FA-1675
1995-2003	7.3L DIT E-Series	FA-1618
1994-1998	7.3L DIT F-250/550	FA-1617
1992-1994	7.3L IDI E-Series	FA-1079
1983-1994	6.9L IDI / 7.3L IDI & IDIT F-250/550	FA-1057
1983-1991	6.9L IDI / 7.3L IDI & IDIT E-Series	FA-1057

Motorcraft Fuel Filters

Model Year	Engine	Part Number
2011-Present	6.7L DIT F-250/550	FD-4615 (kit)
2008-2010	6.4L DIT F-250/550	FD-4617
2006-2009	4.5L LCF-Series	FD-4616
2004-2010	6.0L DIT E-Series	FD-4606
2003-2007	6.0L DIT F-250/550, Excursion	FD-4616
2003-2007	6.0L DIT F-650/750	FD-4596
1998.5-2004	7.3L DIT F-250/750, Excursion, E-Series	FD-4596
1994-1997	7.3L DIT F-250/550, E-Series	FD-4595
1988-1994	7.3L IDI & IDIT F-250/550, E-Series	FD-3375
1983-1987	6.9L IDI F-250 & 350, E-Series	FD-811

Motorcraft Oil Filters

Model Year	Engine	Part Number
2011-Present	6.7L DIT F-250/550	FL-2051S
2008-2010	6.4L DIT F-250/550	FL-2016
2006-2009	4.5L LCF-Series	FL-2029
2003-2010	6.0L DIT F-250/750, E-Series, Excursion	FL-2016
1994-2003	7.3L DIT F-250/750, E-Series, Excursion	FL-1995
1983-1994	6.9L IDI/7.3L IDI & IDIT, E-Series, F-250 & 350	FL-784



APPENDIX - MAINTENANCE

When Should Motorcraft Filters Be Replaced?

- Filters should be replaced as part of scheduled maintenance.
- Listed below are recommended maintenance intervals on select filters and oil.
- Part numbers available at the time of this publication can be found on the previous page.
- A complete maintenance schedule specific to your vehicle can be found in your Owner Guide Diesel Supplement or at the following web address: <http://www.fordowner.com>

Ford Recommended Normal Maintenance Schedule

Filter Type	6.7L Engine	6.4L Engine	6.0L Engine	7.3L Engine
Air Filter	Check air restriction gauge at every oil change. Replace as needed.	Inspect filter minder every 10,000 miles (16,000 km). Replace as needed.	Inspect filter minder every 7,500 miles (12,000 km). Replace as needed.	Inspect filter minder every 5,000 miles (8,000 km). Replace as needed.
Fuel Filter(s)*	22,500 miles (36,000 km) (Every 3rd oil change)	20,000 miles (32,000 km)	15,000 miles (24,000 km)	15,000 miles (24,000 km)
Oil Filter and Oil	Check Message Center.	10,000 miles (16,000 km)	7,500 miles (12,000 km)	5,000 miles (8,000 km)

Ford Recommended Special Operating Conditions Schedule**

Filter Type	6.7L Engine	6.4L Engine	6.0L Engine	7.3L Engine
Air Filter	Check air restriction gauge every 7,500 miles (12,000 km). Replace as needed.	Inspect filter minder every 5,000 miles (8,000 km). Replace as needed.	Inspect filter minder every 5,000 miles (8,000 km). Replace as needed.	Inspect filter minder every 3,000 miles (4,800 km). Replace as needed.
Fuel Filter(s)*	15,000 miles (24,000 km), or 600 engine hours	10,000 miles (16,000 km), 400 engine hrs. or 6 months (every other oil & oil filter change)	10,000 miles (16,000 km) or 400 engine hrs. (every other oil & oil filter change)	15,000 miles (24,000 km)
Oil Filter and Oil	Check Message Center.	5,000 miles (8,000 km), 200 engine hrs. or 3 months	5,000 miles (8,000 km), 200 engine hrs. or 3 months	3,000 miles (4,800 km) or 3 months

* Drain fuel filter/water separator monthly, or sooner, if the WATER IN FUEL light illuminates in the instrument cluster.

** Special Operating Conditions include extensive towing, long idle time, extended low speed driving, biodiesel use, and off road/dusty conditions.



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