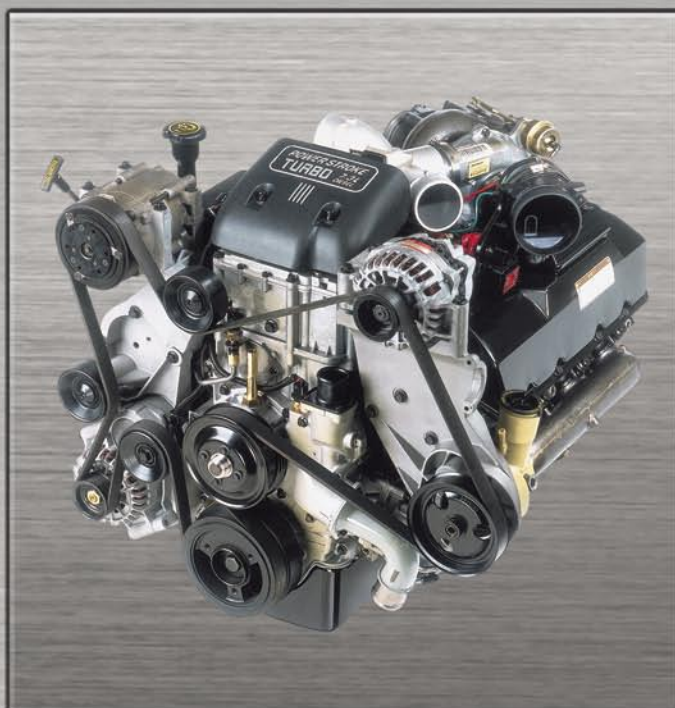




# 2005 DIESEL REFERENCE SALES MANUAL



**Diesel Engines and Components for  
6.9L IDI, 7.3L IDI, 7.3L IDIT, 7.3L DIT & 6.0L DIT**





# Ford Power Stroke® Diesel Engines

GENUINE POWER. GENUINE PERFORMANCE. GENUINE PARTS.



## F-250 to F-550

## F-650 & F-750



## ECONOLINE

## EXCURSION



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# How to Use this Manual

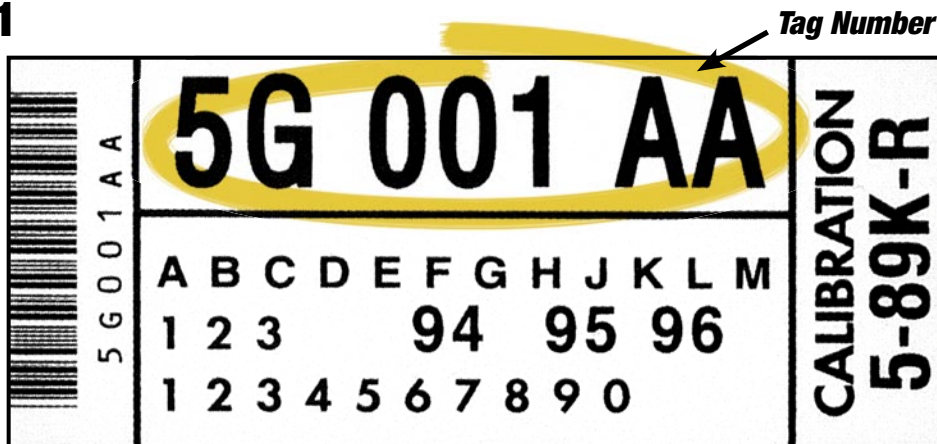
## The Diesel Reference Sales Manual delivers:

- 1) Simplified part number identification for selling Ford and Motorcraft remanufactured diesel parts and engine assemblies
- 2) Key selling features and benefits for the Ford and Motorcraft brands of replacement diesels
- 3) Ford Motor Company service parts limited warranties
- 4) 100% core return policy information
- 5) Part number cross references and a part number page index

## How to use this manual:

This manual answers most questions about replacements for International diesel engines used in Ford Motor Company vehicles. Two methods are provided. Properly identifying replacement part numbers begins with identifying the vehicle and engine using the following methods:

### METHOD 1



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

### Example: 5G 001 AA

Refer to the Engine ID Number Cross Reference Section (beginning on page 55 of this manual) and locate the 5G 001 AA production engine part number. The correct replacement service part number will be the column labeled Ford Number. 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 for IDI, IDIT, and DIT engines.

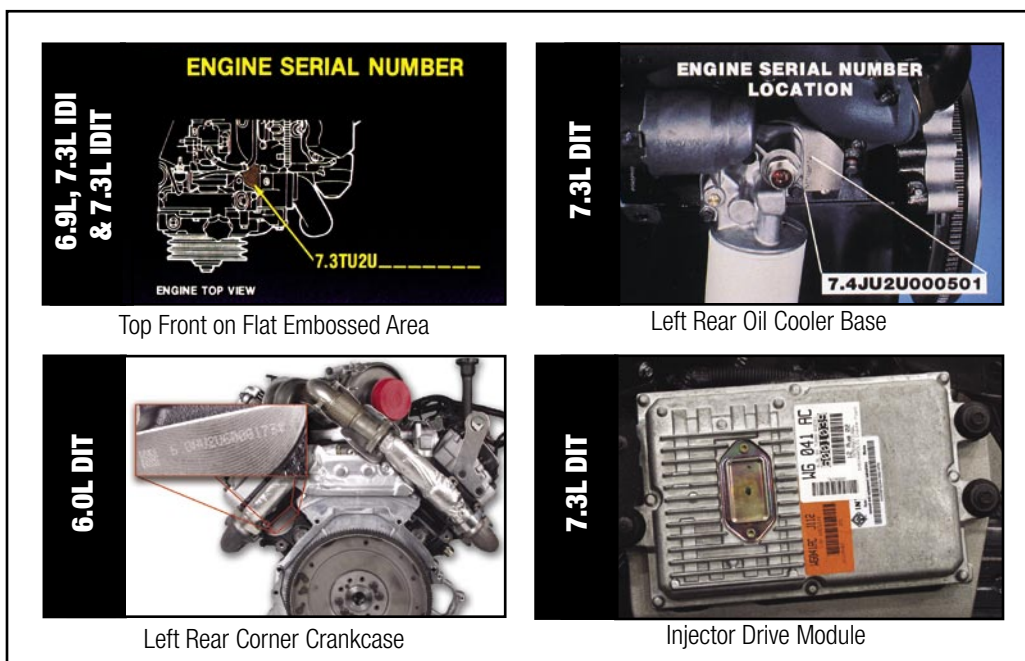
Next, make the appropriate selections from the **Engine and Component Application Section** (beginning page 6) and make the following selections:

- Select page for model of truck: F Series, E Series or Excursion
- 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 E-350 California with engine serial number 301001, 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 94,581-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.



### How do you identify what an engine or component looks like, or what parts are contained in an assembly?

The Components & Associated Materials section (pages 28-46) and the Engine Component Content section (pages 18-27) of this manual will assist you in visually identifying parts and determining the content of engine assemblies. These sections can include:

- Photograph of the part or assembly
- Part number or casting number identifiers
- A listing of all components that make up an assembly or kit
- The part numbers available as assemblies
- Ford model years in which part or assembly numbers were used
- Application data

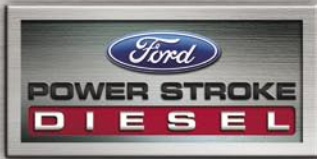
The Bill of Material (BOM) should be valuable whether selling an assembly or in core administration and part identification.

### How to process core returns:

The 100% Core Return Policy section of this manual (page 47) outlines Ford's No Fault core policy.

### Key features and benefits of Ford and Motorcraft remanufactured diesel engines and components:

The Sales Tips section (pages 4-5) describes the many advantages of either Ford or Motorcraft remanufactured diesel engines and components. Keep the 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.



## Sales Tips

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

Ford and Motorcraft 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 and Motorcraft 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 level of RPMs
- All 6009, and 6012 trim levels are 100% evaluated on computer-controlled testers, which simulate vehicle conditions to deliver a trouble-free engine
- Test results are printed and included with each remanufactured engine shipment

### Ford and Motorcraft Remanufactured Diesel Warranty

#### 6007 Complete and 6006 Stripped Ford/Motorcraft (6.9L IDI, 7.3L IDI, 7.3L IDIT, 7.3L DIT, 6.0L DIT)

##### Diesel Engine Assemblies

- Parts (except those noted below) and labor are covered against defects for 24 months/unlimited miles
- Fuel filter assembly and lines, fuel transfer pump, harnesses, sensors, switches, relays, glow plugs, fuel injectors, injection pump and lines are covered against defects for 12 months/unlimited miles
- Towing is not covered for parts sold over-the-counter

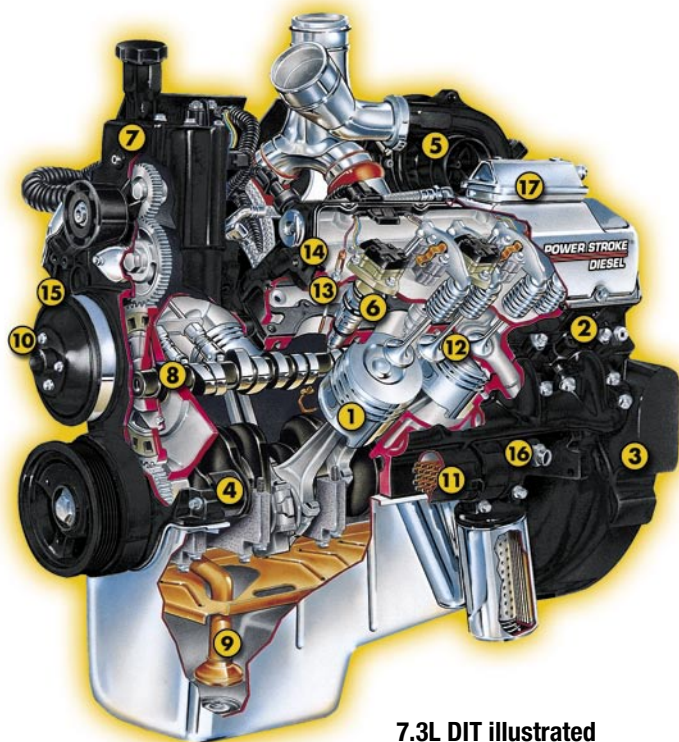
#### 6009 Short Blocks and 6012 Ford/Motorcraft (6.9L IDI, 7.3L IDI, 7.3L IDIT, 7.3L DIT, 6.0L DIT)

##### Diesel Engine Assemblies

- Parts and labor are covered against defects for 12 months/unlimited miles
- Towing is not covered for parts sold over-the-counter

*For complete warranty details refer to the warranty section in this manual, pages 48-51.*

# Motorcraft Remanufactured Engines: The Finer Points of Quality



7.3L DIT illustrated  
6007 configuration

- 1 Cylinder Bores are Diamond Plateau Honed to Original OEM Specifications
- 2 Cylinder Heads are New or Remanufactured: *No Welding to Combustion Chambers*
- 3 New or Remanufactured Crankcase: *Inspected for Cavitation (IDI only)*
- 4 Crankshaft Remanufacturing Includes Unique 3-Step Heat Treat Process
- 5 Turbocharger Remanufactured to Original OEM Specifications
- 6 Injectors are Remanufactured to Original OEM Specifications
- 7 High Pressure Oil Pump Remanufactured to Original OEM Specifications
- 8 Camshaft Remanufactured to Original OEM Specifications or Replaced with New
- 9 Oil Pump Remanufactured to Original OEM Specifications
- 10 Water Pump Remanufactured to Original OEM Specifications
- 11 New Lube Oil Cooler: *Not Cleaned or Re-Cored*
- 12 100% Valve Guide Inserts: *New Valves (DIT only)*
- 13 New Premium Glow Plugs
- 14 New Cover Gaskets
- 15 New Thermostat
- 16 New Coolant Heater: *Standard Equipment*
- 17 New Breather

Only Ford remanufactured diesels are approved by Ford Motor Company. Every remanufactured diesel or component is brought back to Original Equipment specifications, which help assure a reliable and trouble-free product.

- Every 6006/6007 engine live run and dynamometer tested
- Restoration of horsepower and torque
- Dynamometer graph shipped with every engine (6006/6007)



# Engine and Component Applications

## 6.0L DIT F-250/F-550, Excursion

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-250/F-550, Excursion	2004 & up	6,155,638 to current	N/A	--	--
F-250/F-550, Excursion (Automatic Trans)	2003-04	6,000,000 to 6,155,637 **	3C3Z-6007-AARM	--	19
F-250/F-550, Excursion (Manual Trans)	2003-04	6,000,000 to 6,155,637 **	3C3Z-6007-BARM	--	19
<b>ENGINE, LONG BLOCK</b>					
F-250/F-550, Excursion	2004 & up	6,155,638 to current	N/A	--	--
F-250/F-550, Excursion (Automatic Trans)	2003-04	6,000,000 to 6,155,637 **	3C3Z-6006-AARM	--	18
F-250/F-550, Excursion (Manual Trans)	2003-04	6,000,000 to 6,155,637 **	3C3Z-6006-BARM	--	18
<b>ENGINE, SHORT BLOCK</b>					
F-250/F-550, Excursion	2004 & up	6,155,638 to current	N/A	--	--
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-6009-AARM	--	18
<b>CONNECTING ROD</b>					
F-250/F-550, Excursion	2003 & up	6,000,000 to current	3C3Z-6200-AARM	--	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-250/F-550, Excursion	2003 & up	6,000,000 to current	3C3Z-6303-AARM	--	29
<b>CYLINDER HEAD W/VALVES</b>					
F-250/F-550, Excursion	2003 & up	6,000,000 to current	3C3Z-6049-AARM	--	31
<b>FUEL INJECTION CONTROL MODULE (FICM)</b>					
F-250/F-550, Excursion	2003 & up	6,155,638 to current	4C3Z-12B599-AARM	--	32
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-12B599-AARM	--	32
<b>FUEL INJECTOR</b>					
F-250/F-550, Excursion	2004 & up	6,155,638 to current	4C3Z-9E527-AA	--	34
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-9E527-AE	--	34
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
F-250/F-550, Excursion	2005	6,344,943 to current ***	5C4Z-9A543-AA	--	36
F-250/F-550, Excursion	2004	6,155,638 to 6,344,942	4C3Z-9A543-AARM	--	36
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-9A543-AARM	--	36
<b>TURBOCHARGER</b>					
F-250/F-550, Excursion	2005	6,344,943 to current ***	5C3Z-6K682-AA	--	41
F-250/F-550, Excursion	2004 & up	6,155,638 to 6,344,942	4C3Z-6K682-AARM	--	40
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-6K682-AARM	--	40
<b>WATER PUMP</b>					
F-250/F-550, Excursion	2004 & up	6,155,638 to current	4C3Z-8501-ABRM	--	46
F-250/F-550, Excursion	2003-04	6,000,000 to 6,155,637 **	3C3Z-8501-BARM	--	46

### NOTES:

MC-Motorcraft

N/A-Not Available

\*\* 6.0L engines built in Huntsville, AL have a serial number break of 0 to 94,580. Refer to page 3 for details.

\*\*\* 6.0L engines built in Huntsville, AL have a serial number break of 94,581 to 137745. Refer to page 3 for details.

A **Y** in the 6th digit position of the complete engine serial number denotes origin in Huntsville, AL.



# 6.0L DIT

## F-650/F-750

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-650/F-750	2004 & up	112,361 to current	N/A	--	--
F-650/F-750	2003-04	prior to 112,360	4C4Z-6007-BARM	--	19
<b>ENGINE, LONG BLOCK</b>					
F-650/F-750	2004 & up	112,361 to current	N/A	--	--
F-650/F-750	2003-04	prior to 112,360	4C4Z-6006-AARM	--	18
<b>ENGINE, SHORT BLOCK</b>					
F-650/F-750	2004 & up	112,361 to current	N/A	--	--
F-650/F-750	2003-04	prior to 112,360	3C3Z-6009-AARM	--	18
<b>CONNECTING ROD</b>					
F-650/F-750	2003 & up	--	3C3Z-6200-AARM	--	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-650/F-750	2003 & up	--	3C3Z-6303-AARM	--	29
<b>CYLINDER HEAD W/VALVES</b>					
F-650/F-750	2003 & up	--	3C3Z-6049-AARM	--	31
<b>ELECTRONIC CONTROL MODULE (ECM)</b>					
F-650/F-750	2003 & up	--	4C4Z-12A650-AA	--	32
<b>FUEL INJECTION CONTROL MODULE (FICM)</b>					
F-650/F-750	2004 & up	112,361 to current	4C3Z-12B599-AARM	--	32
F-650/F-750	2003-04	prior to 112,360	3C3Z-12B599-AARM	--	32
<b>FUEL INJECTOR</b>					
F-650/F-750	2005	112,361 to current	4C3Z-9E527-AA	--	34
F-650/F-750	2003-04	prior to 112,360	3C3Z-9E527-AE	--	34
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
F-650/F-750	2005	112,361 to current	5C4Z-9A543-AA	--	36
F-650/F-750	2003-04	prior to 112,360	3C3Z-9A543-AARM	--	36
<b>TURBOCHARGER</b>					
F-650/F-750	2005	112,361 to current	5C4Z-6K682-AA	--	41
F-650/F-750	2003-04	prior to 112,360	4C4Z-6K682-AARM	--	41
<b>WATER PUMP</b>					
F-650/F-750	2005	112,361 to current	5C4Z-8501-AARM	--	46
F-650/F-750	2003-04	prior to 112,360	4C4Z-8501-AARM	--	46



# Engine and Component Applications

## 6.0L DIT E Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
E Series	2004 & up	--	N/A	--	--
<b>ENGINE, LONG BLOCK</b>					
E Series	2004 & up	--	N/A	--	--
<b>ENGINE, SHORT BLOCK</b>					
E Series	2004 & up	--	N/A	--	--
<b>CONNECTING ROD</b>					
E Series	2004 & up	--	3C3Z-6200-AARM	--	28
<b>CRANKSHAFT AND BEARINGS</b>					
E Series	2004 & up	--	3C3Z-6303-AARM	--	29
<b>CYLINDER HEAD W/VALVES</b>					
E Series	2004 & up	--	3C3Z-6049-AARM	--	31
<b>FUEL INJECTION CONTROL MODULE (FICM)</b>					
E Series	2004 & up	--	4C3Z-12B599-AARM	--	32
<b>FUEL INJECTOR</b>					
E Series	2004 & up	--	4C3Z-9E527-AA	--	34
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
E Series	2005	151,889 to current	5C4Z-9A543-AA	--	36
E Series	2004	prior to 151,888	4C3Z-9A543-AARM	--	36
<b>TURBOCHARGER</b>					
E Series	2005	151,889 to current	5C3Z-6K682-AA	--	41
E Series	2004	prior to 151,888	4C3Z-6K682-AARM	--	40
<b>WATER PUMP</b>					
E Series	2005	151,889 to current	5C4Z-8501-AARM	--	46
E Series	2004	prior to 151,888	4C3Z-8501-ABRM	--	46

**Note:**

N/A-Not Available

## 7.3L DIT F-250/F-550

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-250/F-550 (w/ EBP Valve)	1999.5 up to 2003	896,813 to 2,030,402	XC3Z-6007-CARM †	--	21
F-250/F-550 (w/o EBP Valve)	1999.5 only	896,813 to 1,419,348	XC3Z-6007-BARM †	--	21
F-250/F-550 (w/ EBP Valve)	1998.5 up to 99.5	661,974 to 896,812	F81Z-6007-UARM †	--	21
F-250/F-550 (w/o EBP Valve)	1998.5 up to 99.5	661,974 to 896,812	F81Z-6007-VARM †	--	21
F-250/F-350 (49 State)	1997 up to 98.5	375,549 to 661,973	F7TZ-6V007-BARM †	CALGB-18-RM	21
F-250/F-350 (California)	1997 up to 98.5	375,549 to 661,973	F7TZ-6V007-AARM †	CALGB-17-RM	21
F-250/F-350 (49 State)	1996	201,681 to 375,548	F6TZ-6V007-BARM	CALGB-14-RM	21
F-250/F-350 (California)	1996	201,681 to 375,548	F6TZ-6V007-AARM	CALGB-12-RM	21
F-250/F-350 (50 State)	1995	35,652 to 201,680	F5TZ-6V007-AARM	CALGB-4-RM	21
F-250/F-350 (50 State)	1994	501 to 35,651	F4TZ-6V007-FARM	CALGB-2-RM	21
<b>ENGINE, LONG BLOCK</b>					
F-250/F-550 (50 State)	1999.5-2003	896,813 to 2,030,402	XC3Z-6006-AARM	--	20
F-250/F-550 (50 State)	1998.5 up to 99.5	661,496 to 896,812	F81Z-6006-AARM	--	20
F-250/F-350 (49 State)	1997 up to 98.5	375,548 to 661,973	F7TZ-6V006-BARM	SLGB-12-RM	20
F-250/F-350 (California)	1997 up to 98.5	375,548 to 661,973	F7TZ-6V006-CARM	SLGB-14-RM	20
F-250/F-350 (49 State)	1996	201,681 to 375,548	F6TZ-6V006-BARM	SLGB-10-RM	20
F-250/F-350 (California)	1996	201,681 to 375,548	F6TZ-6V006-AARM	SLGB-8-RM	20
F-250/F-350 (50 State)	1994 up to 96	501 to 201,680	F4TZ-6V006-BARM	SLGB-2-RM	20
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
F-250/F-350 (50 State)	1994 up to 97	501 to 201,680	F4TZ-6V012-AARM	LGB-8-RM	20
<b>ENGINE, SHORT BLOCK</b>					
F-250/F-550 (50 State)	1998.5-2003	661,974 to 2,030,402	F81Z-6009-AARM	--	19
F-250/F-350 (50 State)	1997 up to 98.5	375,549 to 661,973	F7TZ-6V009-AARM	SHB-148-RM	19
F-250/F-350 (50 State)	1994 up to 97	501 to 375,548	F4TZ-6V009-BARM	SHB-5-RM	19
<b>CONNECTING ROD</b>					
F-250/F-550 (Late Style)	2001-03	1,425,747 to 2,030,402	1C3Z-6200-AARM	--	28
F-250/F-550 (Early Style)	1994-2000	501 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-250/F-550	1998-2003	576,010 to 2,030,402	3C3Z-6V303-AARM	CRK-382-RM	29
F-250/F-350	1994-98	501 to 576,009	F4TZ-6V303-BARM	CRK-10-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
F-250/F-550 (10 Bolt Inlet Cover)	1995.5-2003	174,667 to 2,030,402	F5TZ-6V049-AARM	CH-3-RM	31
F-250/F-350 (8 Bolt Inlet Cover)	1994 up to 95.5	501 to 174,666	F4TZ-6V049-BARM	CH-2-RM	31

† Complete Engine Assemblies (6007) are not to be used for Ford-paid warranty repairs.

EBP = Exhaust Back Pressure

**Note: Model year coverage up to a model year DOES NOT mean it is used through a model year.  
If unsure of your model-year break, refer to the engine serial number or tag number for accuracy.**



# Engine and Component Applications

## 7.3L DIT (continued) F-250/F-550

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>FUEL INJECTOR</b>					
F-250/F-550 (50 State) Cylinder 1-7	1999.5-2003	896,813 to 2,030,402	F81Z-9E527-CRM	--	34
F-250/F-550 (50 State) Cylinder 8 **	1999.5-2003	896,813 to 2,030,402	XC3Z-9E527-AARM ‡	--	34
F-250/F-550 (50 State) Cylinder 1-7	1998 up to 99.5	661,496 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	33
F-250/F-550 (50 State) Cylinder 8 *	1998 up to 99.5	661,496 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	33
F-250/F-350 (California) Cylinder 1-7	1996-97	661,496 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	33
F-250/F-350 (California) Cylinder 8 *	1996-97	661,496 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	33
F-250/F-350 (49 State) Single Stage	1994-97	501 to 661,495	F4TZ-9VE527-AARM	FI-2-RM	33
F-250/F-350 (California) Single Stage	1994-95	501 to 201,679	F4TZ-9VE527-AARM	FI-2-RM	33
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
F-250/F-550 (w/o IPR)	1999.5-2003	896,812 to 2,030,402	F81Z-9A543-CRM	--	35
F-250/F-550 (w/o IPR)	1998.5 up to 99.5	201,680 to 896,811	F81Z-9A543-BRM	--	35
F-250/F-350 (w/o IPR)	1996 up to 98.5	187,100 to 201,679	F6TZ-9VA543-ARM	HPP-1-RM	35
F-250/F-350 (w/ IPR)	1994 up to 96	501 to 187,099	F4TZ-9VA543-AARM	OP-1-RM	35
<b>TURBOCHARGER</b>					
F-250/F-550 (w/ EBP Valve)	1999.5-2003	896,813 to 2,030,402	F81Z-6K682-BARM	--	39
F-250/F-550 (w/o EBP Valve)	1999.5 only	896,813 to 999,039	F81Z-6K682-CARM	--	39
F-250/F-550 (All)	1998.5 up to 99.5	661,974 to 896,812	F81Z-6K682-AARM	--	39
F-250/F-350 (All)	1994 up to 98.5	501 to 661,973	F4TZ-6VK682-CARM	TC-2-RM	38
<b>TURBOCHARGER PEDESTAL</b>					
F-250/F-550 (w/ EBP Valve)	1999.5-2003	896,813 to 2,030,402	F81Z-6N639-CARM	--	43
F-250/F-550 (w/o EBP Valve)	1999.5 only	896,813 to 999,039	F81Z-6N639-DARM	--	43
F-250/F-550 (w/o EBP Valve)	1998.5 up to 99.5	661,974 to 896,812	F81Z-6N639-BARM	--	43
F-250/F-550 (w/ EBP Valve)	1998.5 up to 99.5	661,974 to 896,812	F81Z-6N639-AARM	--	42
F-250/F-350 (w/ EBP Valve)	1994 up to 98.5	501 to 661,973	F4TZ-6VN639-AARM	PTC-2-RM	42
<b>WATER PUMP</b>					
F-250/F-550	1998.5-2003	661,496 to 2,030,402	F81Z-8501-FA	PW-455	45
F-250/F-350	1996 up to 98.5	201,681 to 661,495	2C3Z-8V501-BA	PWR-3	45
F-250/F-350	1994 up to 96	501 to 201,680	1U2Z-8V501-CA	PWR-2	44

\* Refer to TSB 00-23-5.

\*\* Refer to TSB 00-22-1.

**IPR** = Injection Pressure Regulator

**EBP** = Exhaust Back Pressure

‡ Cackle Fix injector is only to be used for # 8 cylinder.

**Note: Model year coverage up to a model year DOES NOT mean it is used through a model year. If unsure of your model-year break, refer to the engine serial number or tag number for accuracy.**

## 7.3L DIT F-650/F-750

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-650/F-750	2000-02	1,026,248 to end	1C3Z-6007-HARM	--	21
<b>ENGINE, LONG BLOCK</b>					
F-650/F-750	2000-02	1,026,248 to end	1C3Z-6006-DARM	--	20
<b>ENGINE, SHORT BLOCK</b>					
F-650/F-750	2000-02	1,026,248 to end	1C3Z-6009-AARM	--	19
<b>CONNECTING ROD</b>					
F-650/F-750	2000-02	1,026,248 to end	1C3Z-6200-AARM	--	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-650/F-750	2000-02	1,026,248 to end	3C3Z-6V303-AARM	CRK-382-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
F-650/F-750	2000-02	1,026,248 to end	F5TZ-6V049-AARM	CH-3-RM	31
<b>FUEL INJECTOR</b>					
F-650/F-750 (Cylinder 1-8)	2000-02	1,026,248 to end	F81Z-9E527-CRM	--	34
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
F-650/F-750	2000-02	1,026,248 to end	F81Z-9A543-CRM	--	35
<b>TURBOCHARGER</b>					
F-650/F-750	2000-02	1,026,248 to end	YC3Z-6K682-AARM	--	39
<b>TURBOCHARGER PEDESTAL</b>					
F-650/F-750	2000-02	1,026,248 to end	YC3Z-6N639-AARM	--	43
<b>WATER PUMP</b>					
F-650/F-750	2000-02	1,026,248 to end	YC3Z-8501-CA	PW-456	45



# Engine and Component Applications

## 7.3L DIT Excursion

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
Excursion	2000-03	896,813 to 2,030,402	XC3Z-6007-CARM	--	21
<b>ENGINE, LONG BLOCK</b>					
Excursion	2000-03	896,813 to 2,030,402	XC3Z-6006-AARM	--	20
<b>ENGINE, SHORT BLOCK</b>					
Excursion	2000-03	896,813 to 2,030,402	F81Z-6009-AARM	--	19
<b>CONNECTING ROD</b>					
Excursion (Late Style)	2001-03	1,425,747 to 2,030,402	1C3Z-6200-AARM	--	28
Excursion (Early Style)	2000	896,812 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
Excursion	2000-03	896,813 to 2,030,402	3C3Z-6V303-AARM	CRK-382-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
Excursion	2000-03	896,813 to 2,030,402	F5TZ-6V049-AARM	CH-3-RM	31
<b>FUEL INJECTOR</b>					
Excursion (50 State) Cylinder 1-7	2000-03	896,813 to 2,030,402	F81Z-9E527-CRM	--	34
Excursion (50 State) Cylinder 8 **	2000-03	896,813 to 2,030,402	XC3Z-9E527-AARM ‡	--	34
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
Excursion (w/o IPR)	2000-03	896,813 to 2,030,402	F81Z-9A543-CRM	--	35
<b>TURBOCHARGER</b>					
Excursion (w/ EBP Valve)	2000-03	896,813 to 2,030,402	F81Z-6K682-BARM	--	39
<b>TURBOCHARGER PEDESTAL</b>					
Excursion (w/ EBP Valve)	2000-03	896,813 to 2,030,402	F81Z-6N639-CARM	--	43
<b>WATER PUMP</b>					
Excursion	2000-03	896,813 to 2,030,402	F81Z-8501-FA	PW-455	45

\*\* Refer to TSB 00-22-1.

‡ Cackle Fix injector is only to be used for #8 cylinder.

**IPR** = Injection Pressure Regulator

**EBP** = Exhaust Back Pressure

## 7.3L DIT E Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
E-350/E-450 (50 State)	1999.5-2003	896,812 to end	XC2Z-6007-AARM †	--	21
E-350/E-450 (50 State)	1998.5 up to 99.5	661,974 to 896,811	F81Z-6007-TARM †	--	21
E-350 (50 State)	1997 up to 98.5	375,549 to 661,973	F7UZ-6V007-AARM †	CALGB-16-RM	21
E-350 (49 State)	1996	201,681 to 375,548	F6UZ-6V007-BARM	CALGB-15-RM	21
E-350 (California)	1996	201,681 to 375,548	F6UZ-6V007-AARM	CALGB-13-RM	21
E-350 (50 State)	1995	501 to 201,680	F5UZ-6V007-AARM	CALGB-6-RM	21
<b>ENGINE, LONG BLOCK</b>					
E-350/E-450	1999.5-2003	896,812 to end	XC2Z-6006-AARM	--	20
E-350/E-450	1998.5 up to 99.5	661,974 to 896,811	F81Z-6006-BARM	--	20
E-350 (50 State)	1997 up to 98.5	375,548 to 661,973	F7UZ-6V006-AARM	SLGB-13-RM	20
E-350 (49 State)	1996	201,681 to 375,548	F6UZ-6V006-BARM	SLGB-11-RM	20
E-350 (California)	1996	201,681 to 375,548	F6UZ-6V006-AARM	SLGB-9-RM	20
E-350	1995	501 to 201,680	F5TZ-6V006-AARM	SLGB-3-RM	20
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
E-350	1995	501 to 201,680	F5UZ-6V012-AARM	LGB-11-RM	20
<b>ENGINE, SHORT BLOCK</b>					
E-350/E-450	1998.5-2003	661,974 to end	F81Z-6009-AARM	--	19
E-350	1997 up to 98.5	375,549 to 661,973	F7TZ-6V009-AARM	SHB-148-RM	19
E-350	1995 up to 97	501 to 375,548	F4TZ-6V009-BARM	SHB-5-RM	19
<b>CONNECTING ROD</b>					
E-350/E-450 (Late Style)	2001-03	1,425,747 to end	1C3Z-6200-AARM	--	28
E-350/E-450 (Early Style)	1995-2000	501 to 1,425,746	F4TZ-6V200-CARM	PR-4-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
E-350	1998-2003	576,010 to end	3C3Z-6V303-AARM	CRK-382-RM	29
E-350	1995 up to 98	501 to 576,009	F4TZ-6V303-BARM	CRK-10-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
E-350/E-450 (10 Bolt Inlet Cover)	1995.5-2003	174,667 to end	F5TZ-6V049-AARM	CH-3-RM	31
E-350 (8 Bolt Inlet Cover)	1995 up to 95.5	501 to 174,666	F4TZ-6V049-BARM	CH-2-RM	31
<b>FUEL INJECTOR</b>					
E-350/E-450 (50 State) Cylinder 1-7	1999.5-2003	896,813 to end	F81Z-9E527-CRM	--	34
E-350/E-450 (50 State) Cylinder 8 **	1999.5-2003	896,813 to end	XC3Z-9E527-AARM ‡	--	34
E-350 (50 State) Cylinder 1-7	1997 up to 99.5	661,974 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	33
E-350 (50 State) Cylinder 8 **	1997 up to 99.5	661,974 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	33
E-350 (California) Cylinder 1-7	1996	661,974 to 896,812	F61Z-9VE527-BRM	CMR-1-RM	33
E-350 (California) Cylinder 8 *	1996	661,474 to 896,812	F61Z-9VE527-ERM ‡	CMR-2-RM	33
E-350 (49 State) Single Stage	1995-96	501 to 661,973	F4TZ-9VE527-AARM	FI-2-RM	33
E-350 (California) Single Stage	1995	501 to 201,679	F4TZ-9VE527-AARM	FI-2-RM	33

\* Refer to TSB 00-23-5.

\*\* Refer to TSB 00-22-1.

† Complete Engine Assemblies (6007) are not to be used for Ford-paid warranty repairs.

‡ Cackle Fix injector is only to be used for # 8 cylinder.

**Note: Model year coverage up to a model year DOES NOT mean it is used through a model year. If unsure of your model-year break, refer to the engine serial number or tag number for accuracy.**



# Engine and Component Applications

## 7.3L DIT E Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>HIGH PRESSURE INJECTION OIL PUMP</b>					
E-350/E-450 (w/o IPR)	1999.5-2003	896,812 to end	F81Z-9A543-CRM	--	35
E-350 (w/o IPR)	1998.5 up to 99.5	201,680 to 896,811	F81Z-9A543-BRM	--	35
E-350 (w/o IPR)	1996 up to 98.5	187,100 to 201,679	F6TZ-9VA543-ARM	HPP-1-RM	35
E-350 (w/ IPR)	1995 up to 96	501 to 187,099	F4TZ-9VA543-AARM	OP-1-RM	35
<b>TURBOCHARGER</b>					
E-350/E-450	1999.5-2003	896,812 to end	XC2Z-6K682-AARM	--	40
E-350	1998.5 up to 99.5	661,974 to 896,811	F8UZ-6K682-AARM	--	40
E-350	1995 up to 98.5	501 to 661,973	F4TZ-6VK682-CARM	TC-2-RM	38
<b>TURBOCHARGER PEDESTAL</b>					
E-350/E-450 (w/ EBP Valve)	1999.5-2003	896,812 to end	F81Z-6N639-CARM	--	43
E-350/E-450 (w/o EBP Valve)	1999.5	896,812 to end	F81Z-6N639-DARM	--	43
E-350 (w/ EBP Valve)	1998.5 up to 99.5	661,974 to 896,811	F81Z-6N639-AARM	--	42
E-350 (w/ EBP Valve)	1995 up to 98.5	501 to 661,973	F4TZ-6VN639-AARM	PTC-2-RM	42
<b>WATER PUMP</b>					
E-350/E-450	1998.5-2003	661,974 to end	F81Z-8501-FA	PW-455	45
E-350	1996 up to 98.5	201,681 to 661,974	2C3Z-8V501-BA	PWR-3	45
E-350	1994 up to 96	501 to 201,680	1U2Z-8V501-CA	PWR-2	44

**IPR** = Injection Pressure Regulator

**EBP** = Exhaust Back Pressure

**Note: Model year coverage up to a model year DOES NOT mean it is used through a model year. If unsure of your model-year break, refer to the engine serial number or tag number for accuracy.**



## 7.3L IDIT F Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V007-EARM	CALGB-5-RM	23
F Series w/ Turbo <i>Repower</i> (Automatic Trans)	1993-94	1,116,331 to end	F4TZ-6V007-AARM	CALGB-1-RM	23
F Series w/ Turbo <i>Repower</i> (Manual Trans)	1993-94	1,116,331 to end	F4TZ-6V007-DARM	CALGB-3-RM	23
<b>ENGINE, LONG BLOCK</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V006-AARM	SLGB-1-RM	22
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F3TZ-6V012-AARM	LGB-229-RM	22
<b>ENGINE, SHORT BLOCK</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V009-AARM	SHB-138-RM	21
<b>CONNECTING ROD</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V200-AARM	PR-1-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V303-AARM	CRK-378-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V049-AARM	CH-103-RM	31
<b>OIL COOLER</b>					
F-250/F-350 w/ Turbo	1993-94	1,116,331 to end	XU2Z-6VA642-AARM	OC-1-RM	37
<b>TURBOCHARGER</b>					
F-250/F-350 w/ Turbo (Manual Trans)	1993-94	1,116,331 to end	F4TZ-6VK682-BARM	TC-1-RM	38
<b>WATER PUMP</b>					
F-250/F-350 w/ Turbo	1993-94	1,116,331 to end	XU2Z-8501-EA	PW-454	44

## 7.3L IDI F Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6V007-CARM	CALGB-9-RM	25
F-250/F-350 w/ High Altitude	1988-94	500,079 to 1,116,330	XU2Z-6V007-DARM	CALGB-10-RM	25
<b>ENGINE, LONG BLOCK</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6V006-CARM	SLGB-6-RM	25
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6V012-CARM	LGB-17-RM	24
<b>ENGINE, SHORT BLOCK</b>					
F Series w/ Turbo	1993-94	1,116,331 to end	F4TZ-6V009-AARM	SHB-138-RM	21
<b>CONNECTING ROD</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6V200-BARM	PR-5-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	F4TZ-6V303-AARM	CRK-378-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6V049-DARM	CH-12-RM	30
<b>OIL COOLER</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-6VA642-AARM	OC-1-RM	37
<b>WATER PUMP</b>					
F-250/F-350	1988-94	500,079 to 1,116,330	XU2Z-8501-EA	PW-454	44



# Engine and Component Applications

## 6.9L IDI F Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
F-250/F-350	1983-87	To 500,078	XU2Z-6V007-AARM	CALGB-7-RM	25
<b>ENGINE, LONG BLOCK</b>					
F-250/F-350	1983-87	To 500,078	XU2Z-6V006-AARM	SLGB-4-RM	25
F-250/F-350	1983-87	To 500,078	XU2Z-6V012-AARM	LGB-12-RM	24
<b>ENGINE, SHORT BLOCK</b>					
F-250/F-350	1984-87	To 500,078	XU2Z-6V009-BARM	SHB-7-RM	24
F-250/F-350	1983		XU2Z-6V009-AARM	SHB-6-RM	24
<b>CONNECTING ROD</b>					
F-250/F-350	1983-87	To 500,078	XU2Z-6V200-BARM	PR-5-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
F-250/F-350	1983-87	To 500,078	F4TZ-6V303-AARM	CRK-378-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
F-250/F-350	1984-87	To 500,078	XU2Z-6V049-CARM	CH-11-RM	30
F-250/F-350	1983		XU2Z-6V049-AARM	CH-4-RM	30
<b>OIL COOLER</b>					
F-250/F-350	1983-87	To 500,078	XU2Z-6VA642-AARM	OC-1-RM	37
<b>WATER PUMP</b>					
F-250/F-350	1983-87	To 500,078	XU2Z-8501-EA	PW-454	44

## 7.3L IDI E Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V007-EARM	CALGB-11-RM	25
<b>ENGINE, LONG BLOCK</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V006-DARM	SLGB-7-RM	25
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V012-DARM	LGB-18-RM	24
<b>ENGINE, SHORT BLOCK</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V009-CARM	SHB-8-RM	24
<b>CONNECTING ROD</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V200-BARM	PR-5-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
E-350	1988-94	500,079 to 1,116,330	F4TZ-6V303-AARM	CRK-378-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6V049-DARM	CH-12-RM	30
<b>OIL COOLER</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-6VA642-AARM	OC-1-RM	37
<b>WATER PUMP</b>					
E-350	1988-94	500,079 to 1,116,330	XU2Z-8501-EA	PW-454	44

## 6.9L IDI E Series

Application	Model Year	Engine Serial Number Breaks	Ford Service #	MC Part #	Photo
<b>ENGINE, COMPLETE</b>					
E-350	1983-87	To 500,078	XU2Z-6V007-BARM	CALGB-8-RM	25
<b>ENGINE, LONG BLOCK</b>					
E-350	1984-87	To 500,078	XU2Z-6V006-BARM	SLGB-5-RM	25
<b>ENGINE, LONG BLOCK (STRIPPED)</b>					
E-350	1984-87	To 500,078	XU2Z-6V012-BARM	LGB-13-RM	24
<b>ENGINE, SHORT BLOCK</b>					
E-350	1984-87	To 500,078	XU2Z-6V009-BARM	SHB-7-RM	24
E-350	1983		XU2Z-6V009-AARM	SHB-6-RM	24
<b>CONNECTING ROD</b>					
E-350	1983-87	To 500,078	XU2Z-6V200-BARM	PR-5-RM	28
<b>CRANKSHAFT AND BEARINGS</b>					
E-350	1983-87	To 500,078	F4TZ-6V303-AARM	CRK-378-RM	29
<b>CYLINDER HEAD W/VALVES</b>					
E-350	1984-87	To 500,078	XU2Z-6V049-CARM	CH-11-RM	30
E-350	1983		XU2Z-6V049-AARM	CH-4-RM	30
<b>OIL COOLER</b>					
E-350	1983-87	To 500,078	XU2Z-6VA642-AARM	OC-1-RM	37
<b>WATER PUMP</b>					
E-350	1983-87	To 500,078	XU2Z-8501-EA	PW-454	44



# Engine Component Content



## 6009 Short Block 6.0L DIT

Model Years 2003-2004



F-250 through F-750  
and Excursion

### 6009 Bill of Materials

- Camshaft
- Camshaft Bearings
- Connecting Rods
- Crankshaft
- Cylinder Block
- Lifters
- Main/Rod Bearings
- Piston Cooling Tubes
- Pistons/Rings
- Timing Components

FORD SERVICE #  
3C3Z-6009-AARM

### SERVICE PARTS WARRANTY - 6009 SHORT BLOCK

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6006 Long Block 6.0L DIT

Model Years 2003-2004



F-250 through F-550  
and Excursion



F-650 / F-750

### 6006 - INCLUDES 6009 Bill of Materials

- Cylinder Head Assembly
- Engine Heater
- Front Cover
- Front Seal
- Glow Plugs
- Head Covers
- High Pressure Oil Pump and Regulator
- Injection Pressure Regulator Valve
- Injectors (Electronic)
- Oil Cooler Assembly
- Oil Pan and Pick-up Tube
- Oil Pump Assembly
- Push Rods
- Rear Cover
- Rear Seal
- Rocker Arm Carrier
- Sensor - CMP Camshaft Positioning
- Sensor - Crankshaft Position
- Sensor - EBP Exhaust Back Pressure
- Sensor - Engine Oil Pressure
- Sensor - EOT Engine Oil Temperature
- Sensor - ICP Injection Control Pressure
- Sensor - Water Temperature
- Valves
- Vibration Damper
- Water Pump Assembly

FORD SERVICE #  
3C3Z-6006-AARM  
3C3Z-6006-BARM  
4C4Z-6006-AARM

### SERVICE PARTS WARRANTY - 6006 LONG BLOCK

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6007 Complete 6.0L DIT

*Model Years 2003-2004*



F-250 through F-550  
and Excursion



F-650 / F-750

### 6007 - INCLUDES 6009 & 6006

### Bill of Materials

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-Manifold Air Temperature  
Turbo Air Inlet  
Turbo Piping  
Turbocharger Assembly with Base  
Water Outlet and Thermostat

#### FORD SERVICE #

3C3Z-6007-AARM  
3C3Z-6007-BARM  
4C4Z-6007-BARM

#### SERVICE PARTS WARRANTY - 6007 COMPLETE ENGINE

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



**WARNING! Complete engine assemblies (6007) are not to be used for Ford-paid warranty repairs.**



## 6009 Short Block 7.3L DIT

*Model Years 1994-2003*



F Series and Excursion

### 6009

### Bill of Materials

Cam Bearings  
Camshaft  
Connecting Rods  
Crankcase Dowel Pin Kit  
Crankshaft  
Cylinder Block  
Lifters  
Main/Rod Bearings  
Piston Cooling Tubes  
Pistons/Rings  
Rear Seal \*  
Timing Components

\* Shipped loose on 6009

FORD SERVICE #	MC PART #
F4TZ-6V009-BARM	SHB-5-RM
F7TZ-6V009-AARM	SHB-148-RM
F81Z-6009-AARM	-
1C3Z-6009-AARM	-

#### SERVICE PARTS WARRANTY - 6009 SHORT BLOCK

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



# Engine Component Content



## 6012 Long Block (Stripped) 7.3L DIT

Model Years 1994-1995



F-250 / F-350  
and E-350

### 6012 - INCLUDES 6009

### Bill of Materials

- Cylinder Head Assembly \*\*
- Front Cover
- Front Seal
- Oil Cooler Assembly
- Oil Pump Assembly
- Push Rods
- Rear Cover
- Rocker Arms
- Valves

\*\* Updated 10 bolt intake style cylinder heads

FORD SERVICE #	MC PART #
F4TZ-6V012-AARM	LGB-8-RM
F5UZ-6V012-AARM	LGB-11-RM

### SERVICE PARTS WARRANTY - 6012 LONG BLOCK (STRIPPED)

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6006 Long Block 7.3L DIT

Model Years 1994-2003



F-250 through F-550  
Econoline and Excursion



F-650 / F-750

### 6006 - INCLUDES 6009 & 6012

### Bill of Materials

- Glow Plugs
- Head Cover Gaskets
- Head Covers
- High Pressure Oil Pump and Regulator
- Injectors (Electronic)
- Intake Manifold
- Oil Filter
- Oil Pan and Pick-up Tube
- Sensor - CMP Camshaft Positioning
- Sensor - EBP Exhaust Back Pressure
- Sensor - EOT Engine Oil Temperature
- Sensor - ICP Injection Control Pressure
- Vibration Damper

FORD SERVICE #	MC PART #	FORD SERVICE #	MC PART #
F4TZ-6V006-BARM	SLGB-2-RM	F7TZ-6V006-CARM	SLGB-14-RM
F5TZ-6V006-AARM	SLGB-3-RM	F7UZ-6V006-AARM	SLGB-13-RM
F6TZ-6V006-AARM	SLGB-8-RM	F81Z-6006-AARM	-
F6TZ-6V006-BARM	SLGB-10-RM	F81Z-6006-BARM	-
F6UZ-6V006-AARM	SLGB-9-RM	XC2Z-6006-AARM	-
F6UZ-6V006-BARM	SLGB-11-RM	XC3Z-6006-AARM	-
F7TZ-6V006-BARM	SLGB-12-RM	1C3Z-6006-DARM	-

### SERVICE PARTS WARRANTY - 6006 LONG BLOCK

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6007 Complete 7.3L DIT

*Model Years 1994-2003*



F-250 through F-550  
and Excursion



F-650 / F-750

### 6007 - INCLUDES 6009, 6012 & 6006 Bill of Materials

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

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

FORD SERVICE #	MC PART #	FORD SERVICE #	MC PART #
F4TZ-6V007-FARM	CALGB-2-RM	F81Z-6007-TARM	-
F5TZ-6V007-AARM	CALGB-4-RM	F81Z-6007-UARM	-
F5UZ-6V007-AARM	CALGB-6-RM	F81Z-6007-VARM	-
F6TZ-6V007-AARM	CALGB-12-RM	XC2Z-6007-AARM	-
F6TZ-6V007-BARM	CALGB-14-RM	XC3Z-6007-BARM	-
F6UZ-6V007-AARM	CALGB-13-RM	XC3Z-6007-CARM	-
F6UZ-6V007-BARM	CALGB-15-RM	1C3Z-6007-HARM	-
F7TZ-6V007-AARM	CALGB-17-RM		
F7TZ-6V007-BARM	CALGB-18-RM		
F7UZ-6V007-AARM	CALGB-16-RM		

#### SERVICE PARTS WARRANTY - 6007 COMPLETE ENGINE

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.

**WARNING!** Complete engine assemblies (6007) are not to be used for Ford-paid warranty repairs.



## 6009 Short Block 7.3L IDIT

*Model Years 1993-1994*



F Series with turbo

### 6009 Bill of Materials

Cam Bearings  
Camshaft  
Connecting Rods \*  
Crankshaft  
Cylinder Block  
Lifters  
Main/Rod Bearings  
Piston Cooling Tubes  
Pistons/Rings\*  
Timing Components

\* Turbo unique

FORD SERVICE #	MC PART #
F4TZ-6V009-AARM	SHB-138-RM

#### SERVICE PARTS WARRANTY - 6009 SHORT BLOCK

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



# Engine Component Content



## 6012 Long Block (Stripped) 7.3L IDIT

Model Years 1993-1994



F Series with turbo

### 6012 - INCLUDES 6009

### Bill of Materials

- Cylinder Head Assembly \*
- Front Cover
- Front Seal
- Oil Cooler Assembly \*
- Oil Pump Assembly
- Pick-up Tube
- Push Rods
- Rear Cover
- Rear Seal
- Rocker Arms
- Valves

\* Turbo unique

<b>FORD SERVICE #</b>	<b>MC PART #</b>
F3TZ-6V012-AARM	LGB-229-RM

### SERVICE PARTS WARRANTY - 6012 LONG BLOCK (STRIPPED)

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6006 Long Block 7.3L IDIT

Model Years 1993-1994



F Series with turbo

### 6006 - INCLUDES 6009 & 6012

### Bill of Materials

- Head Covers
- Injectors \*
- Oil Filter
- Oil Pan
- Vibration Damper

\* Turbo unique

<b>FORD SERVICE #</b>	<b>MC PART #</b>
F4TZ-6V006-AARM	SLGB-1-RM

### SERVICE PARTS WARRANTY - 6006 LONG BLOCK

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.





## 6007 Complete 7.3L IDIT

Model Years 1993-1994



F Series with turbo

### 6007 - INCLUDES 6009, 6012 & 6006 Bill of Materials

Block Heater  
CDR Valve  
Exhaust Manifolds  
Fuel Filter Assembly  
Fuel Filter Bracket  
Fuel Injection Pump \*  
Fuel Lines  
Glow Plugs  
Intake Manifold  
Turbocharger Assembly \*  
Water Outlet and Thermostat  
Water Pump Assembly

\* Turbo unique

FORD SERVICE #	MC PART #
F4TZ-6V007-EARM	CALGB-5-RM

#### SERVICE PARTS WARRANTY - 6007 COMPLETE ENGINE

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6007 Complete Repower 7.3L IDIT

Model Years 1993-1994



F Series with turbo Repower

### 6007 Bill of Materials

Accessory Bracket	Glow Plugs
Air Cleaner Assembly *	Head Covers *
Alternator Bracket	Injectors
Block Heater	Intake Manifold
Cam Bearings	Lifters
Camshaft	Main/Rod Bearings
CDR Valve	Oil Cooler Assembly *
Connecting Rods *	Oil Filter
Crankshaft	Oil Pan & Pick-up Tube
Crossover Exhaust Pipe *	Oil Pump Assembly
Cylinder Block	Piston Cooling Tubes
Cylinder Head Assembly	Pistons/Rings *
Exhaust Manifolds	Push Rods
Exhaust Valves *	Rear Cover
Front Cover	Rear Seal
Front Seal	Rocker Arms
Fuel Filter Assembly	Timing Components
Fuel Filter Bracket	Turbocharger Assembly
Fuel Injection Pump *	Vibration Damper & Drive Pulley *
Fuel Lift Pump	Water Outlet and Thermostat
Fuel Lines	Water Pump Assembly
Glow Plug Controller	Wiring Harness *

\* Turbo unique

FORD SERVICE #	MC PART #
F4TZ-6V007-AARM	CALGB-1-RM
F4TZ-6V007-DARM	CALGB-3-RM

#### SERVICE PARTS WARRANTY - 6007 IDIT REPOWER ENGINE

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



# Engine Component Content



## 6009 Short Block 6.9L & 7.3L IDI

Model Years 1983-1994



E-350 and F-250/F-350

### 6009 Bill of Materials

- Cam Bearings
- Camshaft
- Connecting Rods
- Crankshaft
- Cylinder Block
- Lifters
- Main/Rod Bearings
- Piston Cooling Tubes
- Pistons/Rings
- Timing Components

#### 6.9L IDI

FORD SERVICE #	MC PART #
XU2Z-6V009-AARM	SHB-6-RM
XU2Z-6V009-BARM	SHB-7-RM

#### 7.3L IDI

FORD SERVICE #	MC PART #
XU2Z-6V009-CARM	SHB-8-RM

#### SERVICE PARTS WARRANTY - 6009 SHORT BLOCK

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6012 Long Block (Stripped) 6.9L & 7.3L IDI

Model Years 1983-1994



E-350 and F-250/F-350

### 6012 - INCLUDES 6009 Bill of Materials

- Cylinder Head Assembly
- Front Cover
- Front Seal
- Oil Cooler Assembly \*
- Oil Pump Assembly
- Push Rods
- Rear Cover
- Rear Seal
- Rocker Arms
- Valves

\* Shipped loose on 6012

#### 6.9L IDI

FORD SERVICE #	MC PART #
XU2Z-6V012-AARM	LGB-12-RM
XU2Z-6V012-BARM	LGB-13-RM

#### 7.3L IDI

FORD SERVICE #	MC PART #
XU2Z-6V012-CARM	LGB-17-RM
XU2Z-6V012-DARM	LGB-18-RM

#### SERVICE PARTS WARRANTY - 6012 LONG BLOCK (STRIPPED)

- Parts and labor are covered against defects for 12 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6006 Long Block 6.9L & 7.3L IDI

Model Years 1983-1994



E-350 and F-250/F-350

### 6006 - INCLUDES 6009 & 6012

### Bill of Materials

Head Covers  
Injectors  
Oil Filter  
Oil Pan and Pick-up Tube  
Vibration Damper

#### 6.9L IDI

FORD SERVICE #	MC PART #
XU2Z-6V006-AARM	SLGB-4-RM
XU2Z-6V006-BARM	SLGB-5-RM

#### 7.3L IDI

FORD SERVICE #	MC PART #
XU2Z-6V006-CARM	SLGB-6-RM
XU2Z-6V006-DARM	SLGB-7-RM

#### SERVICE PARTS WARRANTY - 6006 LONG BLOCK

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



## 6007 Complete 6.9L & 7.3L IDI

Model Years 1983-1994



E-350 and F-250/F-350

### 6007 - INCLUDES 6009, 6012 & 6006

### Bill of Materials

Block Heater  
CDR Valve  
Exhaust Manifolds  
Fuel Filter Assembly  
Fuel Filter Bracket  
Fuel Injection Pump  
Fuel Lift Pump  
Fuel Lines  
Glow Plugs  
Intake Manifold  
Water Outlet and Thermostat  
Water Pump Assembly

#### 6.9L IDI

FORD SERVICE #	MC PART #
XU2Z-6V007-AARM	CALGB-7-RM
XU2Z-6V007-BARM	CALGB-8-RM

#### 7.3L IDI

FORD SERVICE #	MC PART #
XU2Z-6V007-CARM	CALGB-9-RM
XU2Z-6V007-DARM	CALGB-10-RM
XU2Z-6V007-EARM	CALGB-11-RM

#### SERVICE PARTS WARRANTY - 6007 COMPLETE ENGINE

- Parts and labor are covered against defects for 24 months/unlimited miles.
- Parts and labor are covered for over-the-counter sales.
- Refer to warranty section for complete details.



**WARNING! Complete engine assemblies (6007) are not to be used for Ford-paid warranty repairs.**



# Engine Component Content

## 6.0L DIT 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			•	•
Glow Plugs			•	•
Head Covers			•	•
High Pressure Oil Pump and Regulator			•	•
Injection Pressure Regulator Valve			•	•
Injectors (Electronic)			•	•
Oil Cooler Assembly			•	•
Oil Pan and Pick-up Tube			•	•
Oil Pump Assembly			•	•
Push Rods			•	•
Rear Cover			•	•
Rear Seal			•	•
Rocker Arm Carrier			•	•
Sensor - CMP Camshaft Positioning			•	•
Sensor - Crankshaft Position			•	•
Sensor - EBP Exhaust Back Pressure			•	•
Sensor - Engine Oil Pressure			•	•
Sensor - EOT Engine Oil Temperature			•	•
Sensor - ICP Injection Control Pressure			•	•
Sensor - Injection Control Pressure			•	•
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 Manifold Air Temperature			•
	Turbo Air Inlet			•
	Turbo Piping			•
	Turbocharger Assembly with Base			•
	Water Outlet and Thermostat			•

## 7.3L DIT Bill of Materials

Trim Level	Bill of Materials	6009	6012	6006	6007
Short Block (6009)	Cam Bearings	•	•	•	•
	Camshaft	•	•	•	•
	Connecting Rods	•	•	•	•
	Crankcase Dowel Pin Kit	•	•	•	•
	Crankshaft	•	•	•	•
	Cylinder Block	•	•	•	•
	Lifters	•	•	•	•
	Main/Rod Bearings	•	•	•	•
	Piston Cooling Tubes	•	•	•	•
	Pistons/Rings	•	•	•	•
	Rear Seal *	•	•	•	•
Timing Components	•	•	•	•	
Long Block Stripped (6012)	Cylinder Head Assembly **		•	•	•
	Front Cover		•	•	•
	Front Seal		•	•	•
	Oil Cooler Assembly		•	•	•
	Oil Pump Assembly		•	•	•
	Push Rods		•	•	•
	Rear Cover		•	•	•
Rocker Arms		•	•	•	
Valves		•	•	•	
Long Block (6006)	Glow Plugs			•	•
	Head Cover Gaskets			•	•
	Head Covers			•	•
	High Pressure Oil Pump and Regulator			•	•
	Injectors (Electronic)			•	•
	Intake Manifold			•	•
	Oil Filter			•	•
	Oil Pan and Pick-up Tube			•	•
	Sensor - CMP Camshaft Positioning			•	•
	Sensor - EBP Exhaust Back Pressure			•	•
	Sensor - EOT Engine Oil Temperature			•	•
Sensor - ICP Injection Control Pressure			•	•	
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				•

\* Shipped loose on 6009

\*\* Updated 10 bolt intake style cylinder heads

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

## 7.3L IDIT Bill of Materials

Trim Level	Bill of Materials	6009	6012	6006	6007
Short Block (6009)	Cam Bearings	•	•	•	•
	Camshaft	•	•	•	•
	Connecting Rods *	•	•	•	•
	Crankshaft	•	•	•	•
	Cylinder Block	•	•	•	•
	Lifters	•	•	•	•
	Main/Rod Bearings	•	•	•	•
	Piston Cooling Tubes	•	•	•	•
	Pistons/Rings*	•	•	•	•
	Timing Components	•	•	•	•
Long Block Stripped (6012)	Cylinder Head Assembly *		•	•	•
	Front Cover		•	•	•
	Front Seal		•	•	•
	Oil Cooler Assembly *		•	•	•
	Oil Pump Assembly		•	•	•
	Pick-up Tube		•	•	•
	Push Rods		•	•	•
	Rear Cover		•	•	•
	Rear Seal		•	•	•
	Rocker Arms		•	•	•
Valves		•	•	•	
Long Block (6006)	Head Covers			•	•
	Injectors *			•	•
	Oil Filter			•	•
	Oil Pan			•	•
	Vibration Damper			•	•
Complete (6007)	Block Heater				•
	CDR Valve				•
	Exhaust Manifolds				•
	Fuel Filter Assembly				•
	Fuel Filter Bracket				•
	Fuel Injection Pump *				•
	Fuel Lines				•
	Glow Plugs				•
	Intake Manifold				•
	Turbocharger Assembly *				•
	Water Outlet and Thermostat				•
Water Pump Assembly				•	

\* Turbo unique

## 7.3L IDIT Repower Bill of Materials

See page 23

## 6.9L & 7.3L IDI Bill of Materials

Trim Level	Bill of Materials	6009	6012	6006	6007
Short Block (6009)	Cam Bearings	•	•	•	•
	Camshaft	•	•	•	•
	Connecting Rods	•	•	•	•
	Crankshaft	•	•	•	•
	Cylinder Block	•	•	•	•
	Lifters	•	•	•	•
	Main/Rod Bearings	•	•	•	•
	Piston Cooling Tubes	•	•	•	•
	Pistons/Rings	•	•	•	•
	Timing Components	•	•	•	•
Long Block Stripped (6012)	Cylinder Head Assembly		•	•	•
	Front Cover		•	•	•
	Front Seal		•	•	•
	Oil Cooler Assembly *		•	•	•
	Oil Pump Assembly		•	•	•
	Push Rods		•	•	•
	Rear Cover		•	•	•
	Rear Seal		•	•	•
	Rocker Arms		•	•	•
	Valves		•	•	•
Long Block (6006)	Head Covers			•	•
	Injectors			•	•
	Oil Filter			•	•
	Oil Pan and Pick-up Tube			•	•
	Vibration Damper			•	•
Complete (6007)	Block Heater				•
	CDR Valve				•
	Exhaust Manifolds				•
	Fuel Filter Assembly				•
	Fuel Filter Bracket				•
	Fuel Injection Pump				•
	Fuel Lift Pump				•
	Fuel Lines				•
	Glow Plugs				•
	Intake Manifold				•
	Water Outlet and Thermostat				•
	Water Pump Assembly				•

\* Shipped loose on 6012



# Components & Associated Materials

## CONNECTING RODS

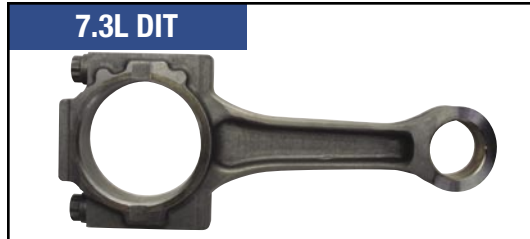


**6.9L / 7.3L IDI**

**PART: Connecting Rod - MC**

FORD SERVICE #: XU2Z-6V200-BARM  
MOTORCRAFT #: PR-5-RM  
APPLICATION: 1983-1994  
BOM: Connecting Rod Assembly  
Core ID Form

CAST ID: 1805615C1



**7.3L DIT**

**PART: Connecting Rod - FORD**

FORD SERVICE #: 1C3Z-6200-AARM  
APPLICATION: E Series 2000-2004  
F Series 2000-2003  
BOM: Connecting Rod Assembly  
Core ID Form



**7.3L IDIT**

**PART: Connecting Rod - MC**

FORD SERVICE #: F4TZ-6V200-AARM  
MOTORCRAFT #: PR-1-RM  
APPLICATION: F-250/F-350 1993-1994  
BOM: Connecting Rod Assembly  
Core ID Form

CAST ID: 1816619C1



**6.0 DIT**

**PART: Connecting Rod - FORD**

FORD SERVICE: 3C3Z-6200-AARM  
APPLICATION: F-250/F-750, Excursion & E Series  
BOM: Connecting Rod Assembly  
(2) Bolt  
(1) Bearing, Rod Std  
Core ID Form

CAST ID: 1834675C1



**7.3L DIT**

**PART: Connecting Rod - MC**

FORD SERVICE #: F4TZ-6V200-CARM  
MOTORCRAFT #: PR-4-RM  
APPLICATION: E & F Series 1994-2000  
BOM: Connecting Rod Assembly  
Core ID Form

CAST ID: 1812003C2

## CRANKSHAFTS

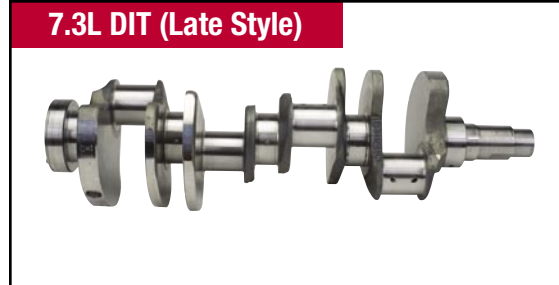
### 6.9L / 7.3L IDI & 7.3L IDIT



**PART: Crankshaft - MC**

FORD SERVICE #: F4TZ-6V303-AARM  
 MOTORCRAFT #: CRK-378-RM  
 APPLICATION: E & F Series 1983-1994  
 BOM: Crankshaft  
 Main Bearings  
 Rear Seal  
 Core ID Form

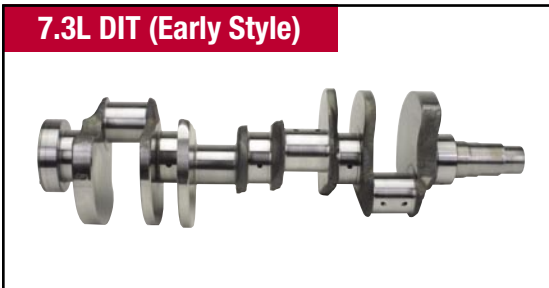
### 7.3L DIT (Late Style)



**PART: Crankshaft - MC**

FORD SERVICE #: 3C3Z-6V303-AARM  
 MOTORCRAFT #: CRK-382-RM  
 APPLICATION: F Series 1998-2003  
 E Series 1998-2004  
 BOM: Crankshaft  
 Main Bearings  
 Rear Seal  
 Core ID Form

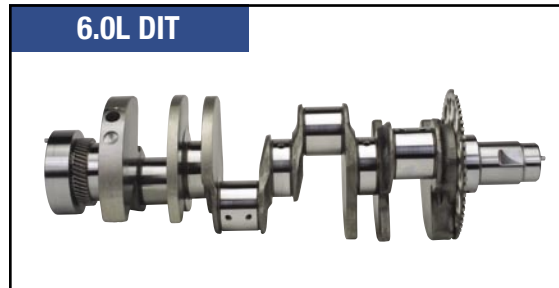
### 7.3L DIT (Early Style)



**PART: Crankshaft - MC**

FORD SERVICE #: F4TZ-6V303-BARM  
 MOTORCRAFT #: CRK-10-RM  
 APPLICATION: E & F Series 1994-1998  
 BOM: Crankshaft  
 Main Bearings  
 Rear Seal  
 Core ID Form

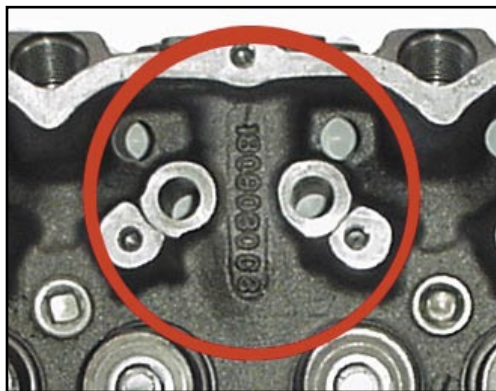
### 6.0L DIT



**PART: Crankshaft - FORD**

FORD SERVICE #: 3C3Z-6303-AARM  
 APPLICATION: F-250/F-750 & Excursion 2003-Current  
 E Series 2004-Current  
 BOM: Crankshaft  
 Crankshaft  
 (4) Bearing, Upper  
 (5) Bearing, Lower  
 (1) Bearing, Thrust Instruction Sheet  
 Core ID Form

## CYLINDER HEADS



**IDENTIFICATION LOCATION**

### 6.9L IDI



**PART: Cylinder Head - MC**

FORD SERVICE #: XU2Z-6V049-CARM  
 MOTORCRAFT #: CH-11-RM  
 APPLICATION: F-250/F-350 & E-350 1984-1987  
 BOM: Cylinder Head Assembly  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1805855C1

### 6.9L IDI



**PART: Cylinder Head - MC**

FORD SERVICE #: XU2Z-6V049-AARM  
 MOTORCRAFT #: CH-4-RM  
 APPLICATION: F-250/F-350 & E-350 1983  
 BOM: Cylinder Head Assembly  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1805288C1

### 7.3L IDI



**PART: Cylinder Head - MC**

FORD SERVICE #: XU2Z-6V049-DARM  
 MOTORCRAFT #: CH-12-RM  
 APPLICATION: F-250/F-350 & E-350 1988-1994  
 BOM: Cylinder Head Assembly  
 Head Casting  
 Exhaust Valves  
 Intake Valves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1809030C3

**NOTE: 7.3L IDI and IDIT have identical casting numbers**



## CYLINDER HEADS

### 7.3L IDI TURBO



**PART: Cylinder Head - MC**

FORD SERVICE #: F4TZ-6V049-AARM  
 MOTORCRAFT #: CH-103-RM  
 APPLICATION: F Series 1993-1994  
 BOM: Cylinder Head Assembly  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1809030C3

**NOTE: 7.3L IDI and IDIT have identical casting numbers**

### 7.3L DIT



**PART: Cylinder Head - MC**

FORD SERVICE #: F5TZ-6V049-AARM  
 MOTORCRAFT#: CH-3-RM  
 APPLICATION: E & F Series & Excursion  
 1995.5-2004  
 BOM: Cylinder Head Assembly  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Injector Sleeves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1825113C1

**NOTE: 10-Bolt Inlet Cover**

### 7.3L DIT



**PART: Cylinder Head - MC**

FORD SERVICE #: F4TZ-6V049-BARM  
 MOTORCRAFT #: CH-2-RM  
 APPLICATION: F-250/F-350 & E-350 1994-1995.5  
 BOM: Cylinder Head Assembly  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Injector Sleeves  
 Valve Retainers  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1818303C2

**NOTE: 8-Bolt Inlet Cover**

### 6.0L DIT



**PART: Cylinder Head - FORD**

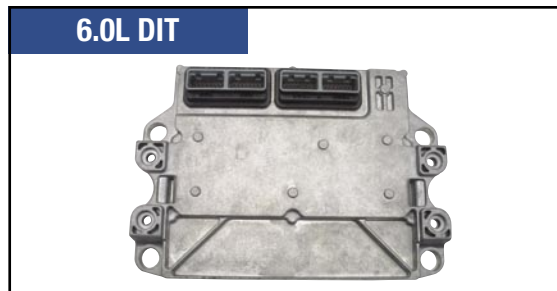
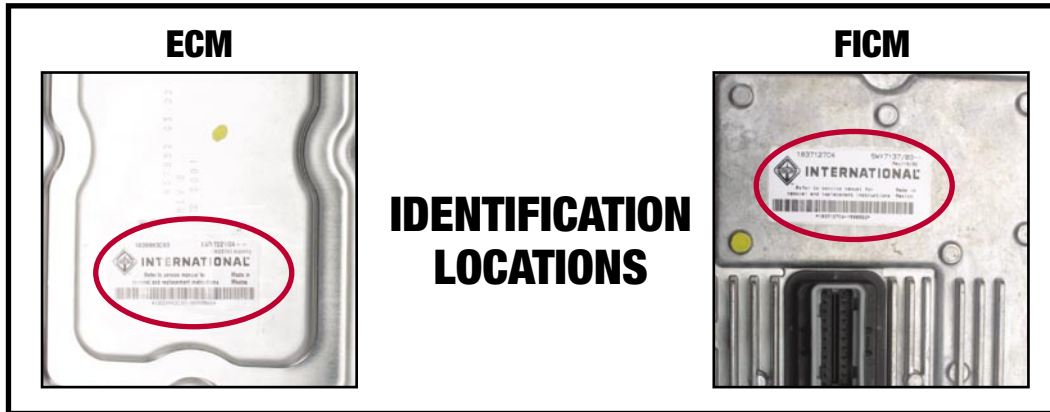
FORD SERVICE #: 3C3Z-6049-AARM  
 APPLICATION: F-250/F-750 2003-Current  
 Excursion 2003-Current  
 E Series 2004-Current  
 BOM: Cylinder Head Assembly  
 Bushing Dowel Bolt  
 Cylinder Head  
 Exhaust Valves  
 Head Casting  
 Intake Valves  
 Valve Retainers Gasket  
 Valve Seals  
 Valve Springs  
 Core ID Form

CAST ID: 1843080C2



# Components & Associated Materials

## ELECTRONIC CONTROL MODULES & FUEL INJECTOR CONTROL MODULES



**PART: Electronic Control Module - FORD**

FORD SERVICE #: 4C4Z-12A650-AA  
 APPLICATION: F-650/F-750 2003-Current  
 BOM: ECM  
 Core ID Form  
 CAST ID: 1839053C#



**PART: Fuel Injection Control Module- FORD**

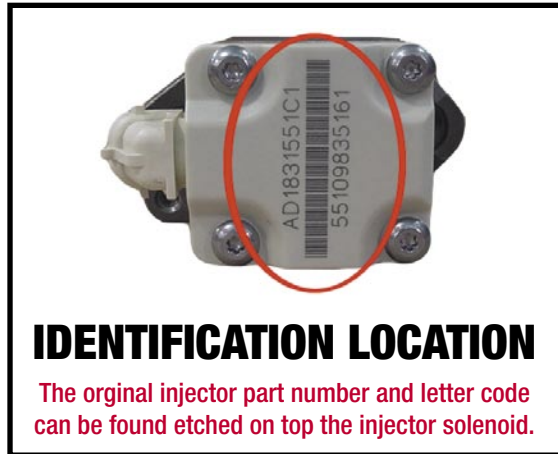
FORD SERVICE #: 3C3Z-12B599-AARM  
 APPLICATION: F-250/F-750 & Excursion 2003-2004  
 BOM: Fuel Injection Control Module (FICM)  
 (4) Bushing, Vib Isolator  
 (8) Grommet, Vib Isolator  
 Core ID Form  
 CAST ID: 1837127C#



**PART: Fuel Injection Control Module - FORD**

FORD SERVICE #: 4C3Z-12B599-AARM  
 APPLICATION: F-250/F-750 & Excursion 2004-Current  
 E Series 2004-Current  
 BOM: Fuel Injection Control Module (FICM)  
 (4) Bushing, Vib Isolator  
 (8) Grommet, Vib Isolator  
 Core ID Form  
 CAST ID: 1845117C2

## FUEL INJECTORS



**PART: Injector - MC**

FORD SERVICE #: F61Z-9VE527-BRM  
 MOTORCRAFT #: CMR-1-RM  
 APPLICATION: F-250/F-350 & E-350  
 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  
 Core ID Form

CAST ID: 1822803C1 or 1825125C1

**NOTE: Letter Code AB**



**PART: Injector - MC**

FORD SERVICE #: F4TZ-9VE527-AARM  
 MOTORCRAFT #: FI-2-RM  
 APPLICATION: F-250/F-350 & E-350  
 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  
 Core ID Form

CAST ID: 1816187C3 or 1821836C2

**NOTE: Letter Code AA**



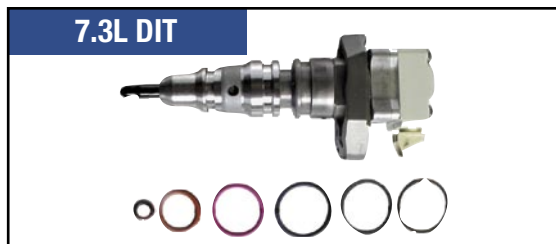
**PART: Injector - MC**

FORD SERVICE #: F61Z-9VE527-ERM  
 MOTORCRAFT #: CMR-2-RM  
 APPLICATION: F-250/F-350 & E-350/E-450  
 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  
 Core ID Form

CAST ID: 1833641C1

**NOTE: Cackle Fix used only in #8 cylinder  
 TSB 00-23-5**

## FUEL INJECTORS (continued)

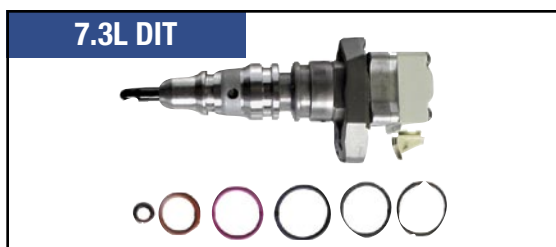


**7.3L DIT**

**PART: Injector - FORD**

FORD SERVICE #: F81Z-9E527-CRM  
 APPLICATION: F-250/F-750 & E-350/E-450  
 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  
 Core ID Form

CAST ID: 1831551C1 or 1831489C1  
**NOTE: Used only in #1 through #7 cylinder**  
**Letter Code AD**

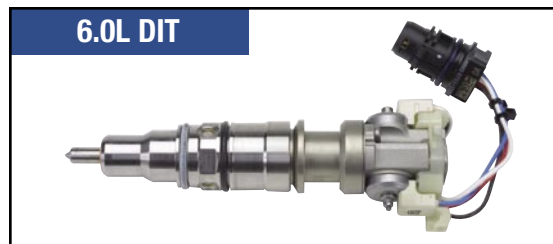


**7.3L DIT**

**PART: Injector - FORD**

FORD SERVICE #: XC3Z-9E527-AARM  
 APPLICATION: F-250/F-550 1995.5-Current  
 E-350/E-450 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  
 Core ID Form

CAST ID: 1833639C1 or 1833640C1  
**NOTE: Cackle Fix used only in #8 cylinder**  
**Letter Code AE, TSB 00-22-1**



**6.0L DIT**

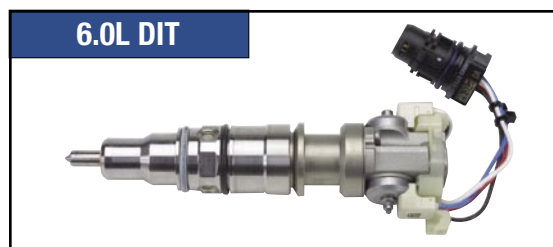
**PART: Injector - FORD**

FORD SERVICE #: 3C3Z-9E527-AE  
 APPLICATION: F-250/F-750 2003-2004  
 BOM: Fuel Injector  
 Fuel Injector Assembly  
 Core ID Form



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

**NOTE: Replaced # 3C3Z-9E527-ABRM**



**6.0L DIT**

**PART: Injector - FORD**

FORD SERVICE #: 4C3Z-9E527-AA  
 APPLICATION: F-250/F-750 2004-Current  
 E Series 2004-Current  
 BOM: Fuel Injector  
 Fuel Injector Assembly  
 Core ID Form



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

**NOTE: Replaced # 3C3Z-9E527-AE**

## HIGH PRESSURE INJECTION OIL PUMPS



### IDENTIFICATION LOCATION

**7.3L DIT**



**PART: HP Injection Oil Pump - MC**

FORD SERVICE #: F4TZ-9VA543-AARM  
 MOTORCRAFT#: OP-1-RM  
 APPLICATION: E-350 1995-1996  
 F-250/F-350 1994-1996  
 BOM: IPR valve  
 Pump  
 Flange  
 Gasket  
 Core ID Form

**7.3L DIT**



**PART: HP Injection Oil Pump - FORD**

FORD SERVICE #: F81Z-9A543-BRM  
 APPLICATION: E-350 1998.5-1999.5  
 F-250/F-550 1996-1998.5  
 BOM: Pump  
 Flange  
 Gasket  
 Core ID Form

**7.3L DIT**



**PART: HP Injection Oil Pump - MC**

FORD SERVICE #: F6TZ-9VA543-ARM  
 MOTORCRAFT #: HPP-1-RM  
 APPLICATION: E-350 1996-1998.5  
 F-250/F-350 1996-1998.5  
 BOM: Pump  
 Flange  
 Gasket  
 Core ID Form

**7.3L DIT**



**PART: HP Injection Oil Pump - FORD**

FORD SERVICE #: F81Z-9A543-CRM  
 APPLICATION: E-350 1995.5-2004  
 F-250/F-550 1995.5-2003  
 F-650/F-750 2000-2002  
 BOM: Pump  
 Flange  
 Gasket  
 Core ID Form



# Components & Associated Materials

## HIGH PRESSURE INJECTION OIL PUMPS (continued)



**PART: HP Injection Oil Pump - FORD**

FORD SERVICE #: 3C3Z-9A543-AARM  
APPLICATION: F-250/F-550 2003-2004  
F-650/F-750 2003-Current  
BOM: Pump  
Pump Assembly  
Seal #018  
Seal #207  
Seal O-Ring  
Core ID Form

CAST ID: 828C9#



**PART: HP Injection Oil Pump - FORD**

FORD SERVICE #: 4C3Z-9A543-AARM  
APPLICATION: F-250/F-550 2004-Current  
E Series 2004-Current  
BOM: Pump  
Pump Assembly  
Seal #018  
Seal #207  
Seal O-Ring  
Core ID Form

CAST ID: 1057842H



**PART: HP Injection Oil Pump - FORD**

FORD SERVICE #: 5C4Z-9A543-AA  
APPLICATION: F-650/F-750 2005  
BOM: Pump  
Pump Assembly  
Seal O-Ring  
Core ID Form

CAST ID: 5858R

## OIL COOLERS



**PART: Oil Cooler - MC**

FORD SERVICE #: XU2Z-6VA642-AARM

MOTORCRAFT #: OC-1-RM

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

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

CAST ID: 1816626C1

**NOTE: Just the cooler body  
No oil cooler headers**

## TURBOCHARGERS

### IDENTIFICATION LOCATIONS



on the compressor housing



on the backing plate

7.3L IDIT



**PART: Turbocharger - MC**

FORD SERVICE #: F4TZ-6VK682-BARM  
 MOTORCRAFT #: TC-1-RM  
 APPLICATION: F Series  
 BOM: Turbocharger Assembly  
 (1) Gasket  
 Exhaust  
 Core Return Tag  
 Core ID Form

CAST ID: 1821329C91

7.3L DIT



**PART: Turbocharger - MC**

FORD SERVICE #: F4TZ-6VK682-CARM  
 MOTORCRAFT #: TC-2-RM  
 APPLICATION: F Series 1994-1998.5  
 BOM: Turbocharger Assembly  
 468480-0001 (1) Large Thick O-Rings  
 A/Pack (1) Small Thick O-Rings  
 (1) Large Thin O-Rings  
 (2) M6-1.0 X 12mm  
 (11) M8-1.25 X 20mm  
 468479-0001 (1) Large Thick O-Rings  
 Kit, Gasket (1) Small Thick O-Rings  
 (1) M6-1.0 X 12mm  
 (3) M8-1.25 X 20mm  
 468481-0001 (1) Exhaust Outlet Gasket  
 A/Pack (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  
 Core ID Form

CAST ID : 991934Cal/468485-0004

**NOTE: Includes Wastegate and Large Base**



# TURBOCHARGERS

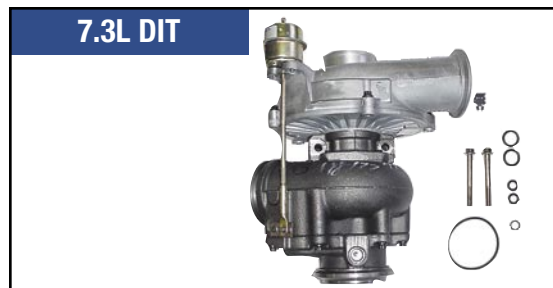


**PART: Turbocharger - FORD**

FORD SERVICE #: F81Z-6K682-AARM  
 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  
 Core ID Form

CAST ID: 991966C91/471128-0009

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

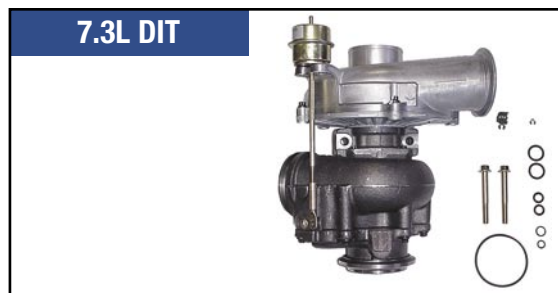


**PART: Turbocharger - FORD**

FORD SERVICE #: F81Z-6K682-BARM  
 APPLICATION: F Series 1999.5-2003  
 w/ EBP Valve  
 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  
 Directions  
 Core ID Form

CAST ID: 1831457C91/702014-0009

**NOTE: Includes Wastegate, EBP Valve, and Large Base**

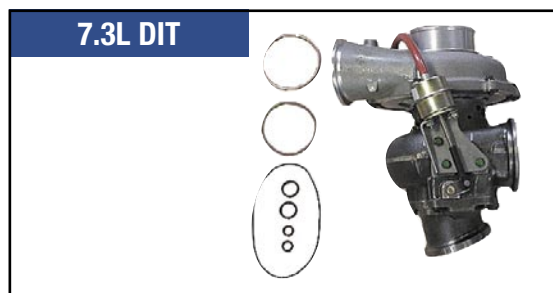


**PART: Turbocharger - FORD**

FORD SERVICE #: F81Z-6K682-CARM  
 APPLICATION: F Series 1999.5  
 w/o EBP Valve  
 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  
 Directions  
 Core ID Form

CAST ID: 1831660C91/710134-0009

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

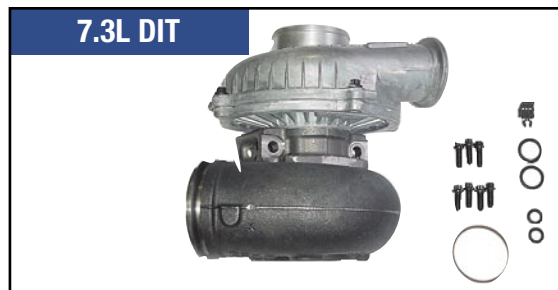


**PART: Turbocharger - FORD**

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  
 Directions  
 Core ID Form

CAST ID: 1833545C91/466785-0003

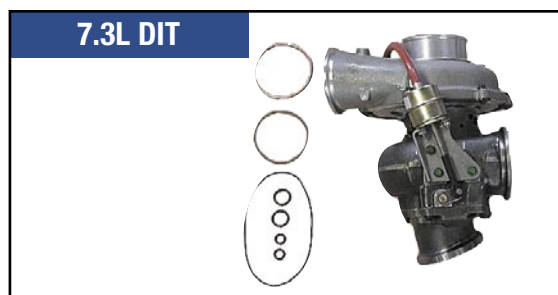
## TURBOCHARGERS (continued)



**PART: Turbocharger - FORD**  
 FORD SERVICE #: F8UZ-6K682-AARM  
 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  
 Directions  
 Core ID Form

CAST ID: 991967C91/471131-0006

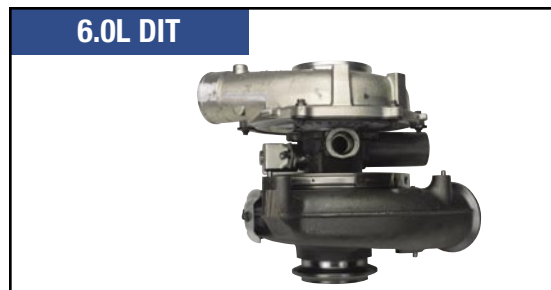
**NOTE: No Wastegate included w/o EBP Gate**



**PART: Turbocharger - FORD**  
 FORD SERVICE #: XC2Z-6K682-AARM  
 APPLICATION: E Series 1999.5-2004  
 BOM: (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  
 Directions  
 Core ID Form

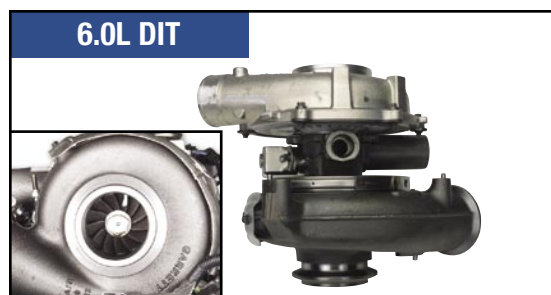
CAST ID: 1831458Ca/710134-0002

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



**PART: Turbocharger - FORD**  
 FORD SERVICE #: 3C3Z-6K682-AARM  
 APPLICATION: F-250/F-550  
 Excursion 2003-2004  
 BOM: Turbocharger Assembly  
 Turbocharger  
 Mounting Kit  
 Heat Shield  
 (3) Bolt Heat Shield  
 Core ID Form

CAST ID: 1837984C9#



**PART: Turbocharger - FORD**  
 FORD SERVICE #: 4C3Z-6K682-AARM  
 APPLICATION: F-650/F-750  
 Excursion, E Series 2004-Current  
 BOM: Turbocharger Assembly  
 Turbocharger  
 Mounting Kit  
 Heat Shield  
 (2) Bolt Heat Shield  
 Core ID Form

1843761C93

CAST ID: **3 extra blades on turbine wheel**

**NOTE: (see inset)**

## TURBOCHARGERS

6.0L DIT



**PART: Turbocharger - FORD**

FORD SERVICE #: 4C4Z-6K682-AARM  
 APPLICATION: F-250/F-550 2003-Current  
 BOM: Turbocharger Assembly  
 Turbocharger  
 Mounting Kit  
 Heat Shield  
 (2) Bolt Heat Shield  
 Core ID Form

CAST ID: 1837985C9#

6.0L DIT

Illustration Not Available

**PART: Turbocharger - FORD**

FORD SERVICE #: 5C4Z-6K682-AA  
 APPLICATION: F-650/F-750 2005  
 BOM: Turbocharger Assembly  
 Turbocharger  
 Mounting Kit  
 Heat Shield  
 (2) Bolt Heat Shield  
 Core ID Form

6.0L DIT

Illustration Not Available

**PART: Turbocharger - FORD**

FORD SERVICE #: 5C3Z-6K682-AA  
 APPLICATION: F-250/F-550, Excursion 2004 & Up  
 E Series 2004 & Up  
 BOM: Turbocharger Assembly  
 Turbocharger  
 Mounting Kit  
 Heat Shield  
 (2) Bolt Heat Shield  
 Core ID Form

## TURBOCHARGER PEDESTALS

### IDENTIFICATION LOCATIONS

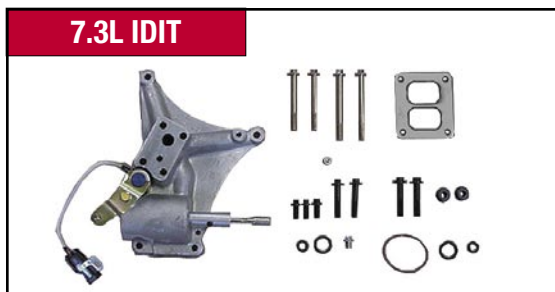


with EBP



no EBP

**Note: 6.0L Turbochargers have an attached bracket and do not require a turbo pedestal.**



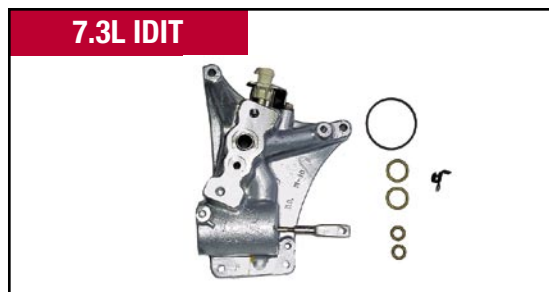
#### PART: Turbocharger Pedestal - MC

FORD SERVICE #: F4TZ-6VN639-AARM  
 MOTORCRAFT #: PTC-2-RM  
 APPLICATION: E & F Series w/EBP Valve  
 1994-1998.5

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  
 Directions  
 Core ID Form

CAST ID: 1833545C91/468492-9001

**NOTE: EBP Actuator included**



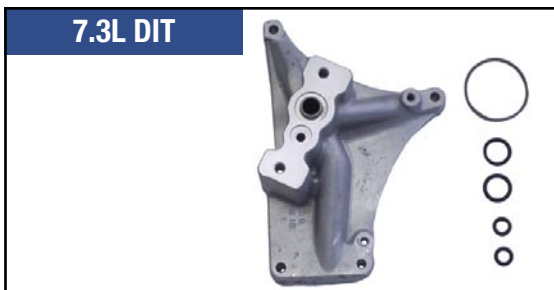
#### PART: Turbocharger Pedestal - MC

FORD SERVICE #: F81Z-6N639-AARM  
 APPLICATION: E & F Series w/EBP Valve  
 1998.5-1999.5

BOM: Pedestal Assembly  
 Orange Gasket  
 (2) Large Thick O-Rings  
 (2) Small Thick O-Rings  
 Clip  
 Turbine Gasket  
 Directions  
 Core ID Form

**NOTE: Shorter height; w/ EBP device**

## TURBOCHARGER PEDESTALS

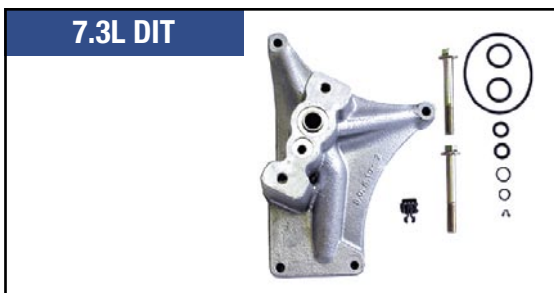


### PART: Turbocharger Pedestal - FORD

FORD SERVICE #: F81Z-6N639-BARM  
 APPLICATION: F Series 1998.5-1999.5  
 w/o EBP Valve

BOM: Pedestal Assembly  
 (1) Orange Gasket  
 (2) Large Thick O-Rings  
 (2) Small Thick O-Rings  
 Directions  
 Core ID Form

**NOTE: Taller height  
 No EBP Actuator included**



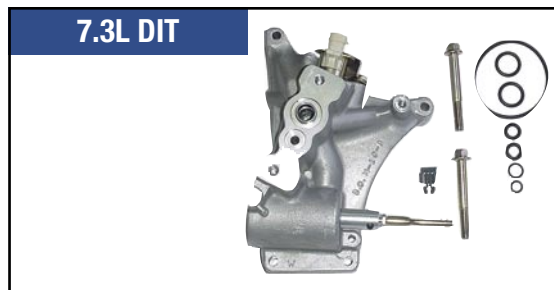
### PART: Turbocharger Pedestal - FORD

FORD SERVICE #: F81Z-6N639-DARM  
 APPLICATION: 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  
 Directions  
 Core ID Form

CAST ID: 183166Ca/702670-5002

**NOTE: Taller height; w/o EBP device**

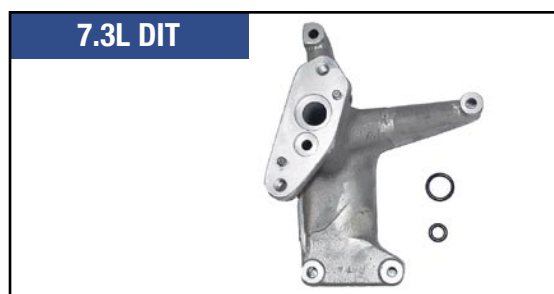


### PART: Turbocharger Pedestal - FORD

FORD SERVICE #: F81Z-6N639-CARM  
 APPLICATION: E & F Series 1999.5-2004  
 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  
 Directions  
 Core ID Form

**NOTE: Taller height; EBP Actuator included**



### PART: Turbocharger Pedestal - 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  
 Core ID Form

CAST ID: 1833545C91

**NOTE: EBP Actuator included**

## WATER PUMPS

### IDENTIFICATION LOCATIONS



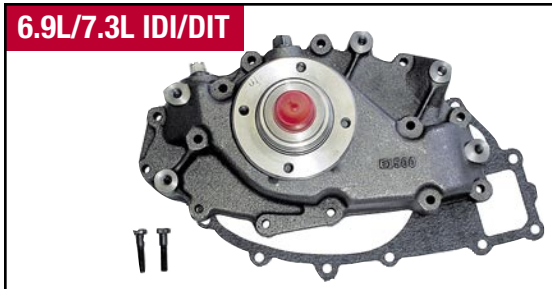
**1U2Z-8V501-CA  
2C3Z-8V501-BA  
F81Z-8501-FA**



**YC3Z-8501-CA**



**XU2Z-8501-EA**

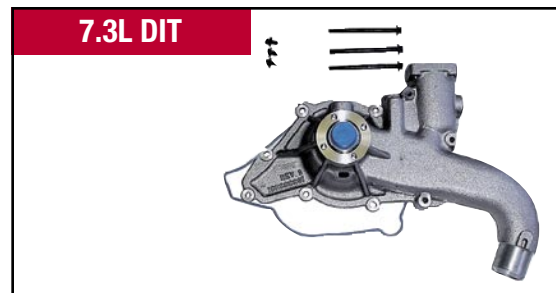


**6.9L/7.3L IDI/DIT**

**PART: Water Pump - MC**

FORD SERVICE #: XU2Z-8501-EA  
 MOTORCRAFT #: PW-454  
 APPLICATION: E & F Series 1983-1994  
 BOM: Pump Assembly  
 Mounting Gasket  
 (2) Bolts 5/16-18 X 1.5  
 Core ID Form

CAST ID: E1500  
**NOTE: Cast Iron  
 Replaces Reman #  
 XU2Z-8V501-AARM**



**7.3L DIT**

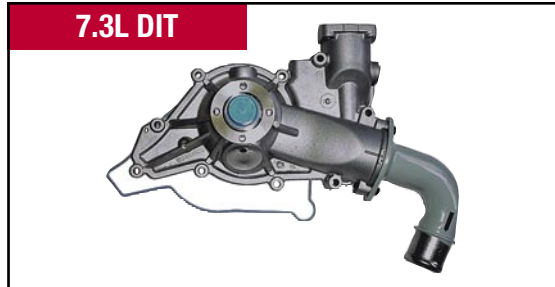
**PART: Water Pump - MC**

FORD SERVICE #: 1U2Z-8V501-CA  
 MOTORCRAFT #: PWR-2  
 APPLICATION: E & F Series 1994-1995  
 with one-piece Inlet Tube  
 BOM: Pump Assembly  
 Mounting Gasket  
 (3) M8X110mm  
 (4) M8X12mm  
 Core ID Form

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

## WATER PUMPS



**PART: Water Pump - MC**

FORD SERVICE #: 2C3Z-8V501-BA

MOTORCRAFT #: PWR-3

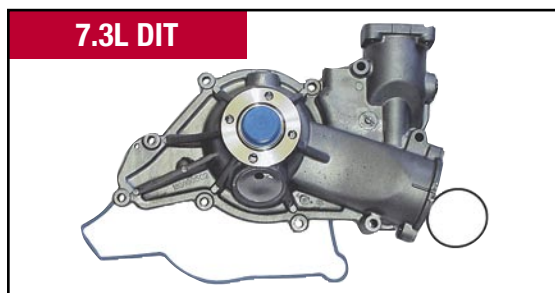
APPLICATION: E & F Series 1996-1998.5  
with one or two piece Inlet Tube

BOM: Pump Assembly  
Mounting Gasket  
Core ID Form

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



**PART: Water Pump - MC**

FORD SERVICE #: F81Z-8501-FA

MOTORCRAFT #: PW-455

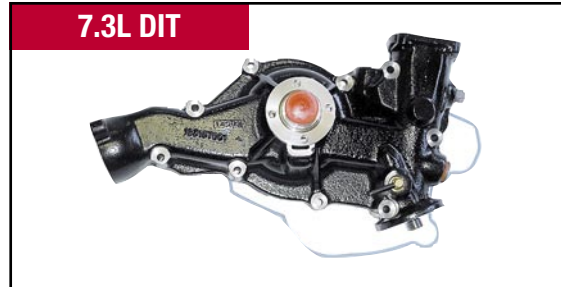
APPLICATION: E & F Series 1998-2004  
(Except F-650/F-750)

BOM: Pump Assembly  
Mounting Gasket  
Inlet O-Ring Gasket  
Core ID Form

CAST ID: 1831005C22

**NOTE: Die-Cast Aluminum w/o Elbow  
Deep Well Thermostat Housing  
New Weephole Style**

Replaces Reman # F81Z-8501-ARM



**PART: Water Pump - MC**

FORD SERVICE #: YC3Z-8501-CA

MOTORCRAFT #: PW-456

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

BOM: Pump Assembly  
Mounting Gasket  
Core ID Form

CAST ID: 1831576C1

**NOTE: Cast Iron with Spin-on type Filter Head**

Replaces Reman # YC3Z-8501-AARM



# Engine Component Content

## WATER PUMPS (continued)

6.0L DIT



**PART: Water Pump - FORD**

FORD SERVICE #: 3C3Z-8501-BARM  
APPLICATION: F-250/F-550  
Excursion 2003-2004  
BOM: Pump, Water  
Seal  
O-Ring  
Core ID Form

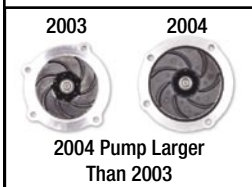
6.0L DIT



**PART: Water Pump - FORD**

FORD SERVICE #: 4C4Z-8501-AARM  
APPLICATION: F-650/F-750 2003-Current  
BOM: Pump, Water  
Seal  
O-Ring  
Core ID Form  
  
CAST ID: wp0000283751 and spn10528  
**NOTE: Cast Steel**

6.0L DIT



**PART: Water Pump - FORD**

FORD SERVICE #: 4C3Z-8501-ABRM  
APPLICATION: F-250/F-550, Excursion  
E Series 2004-Current  
BOM: Pump, Water  
Seal  
O-Ring  
Core ID Form  
  
CAST ID: wp0000283751/spn10528

6.0L DIT

Illustration Not Available

**PART: Water Pump - FORD**

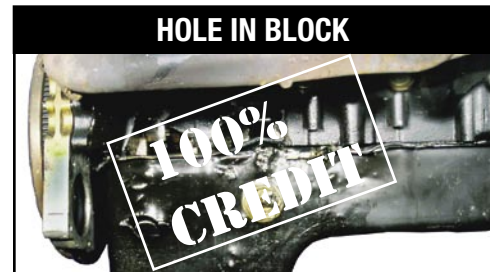
FORD SERVICE #: 5C4Z-8501-AARM  
APPLICATION: F-650/F-750 2005  
BOM: Pump, Water  
Seal  
O-Ring  
Core ID Form  
  
**NOTE: Cast Steel**



# 100% Core Return Policy



**No core credit deductions will be assessed for the quality of the returned engine core.**



**To receive 100% credit for your returned diesel engine core, please make sure the core meets the following criteria.**

### **FOLLOW THESE STEPS...**

- 1** Drain all engine oil and coolant. Cores must be drained of all fluids.
- 2** Inspect: Engine core is assembled. No loose parts.
- 3** Inspect: Engine core is not missing parts.  
(For example, turbocharger should not be missing on a 6007 DIT engine.)
- 4** Inspect: Engine cores must be "like for like." For example, if you purchased a 7.3L DIT 6007 engine, you must return a core for a 7.3L DIT 6007 engine. No model upgrades will be accepted.
- 5** Note: Engine cores must be returned in the replacement Ford/Motorcraft packaging.
- 6** Re-use plastic bag in base of returnable containers to avoid residual oil spills.
- 7** Securely tighten web straps so core sits firmly on base.

**NOTE:** If your core meets the eligibility requirements (listed in steps 1-7), your core will be accepted for return/pickup by your Ford RCRC, and 100% credit will be given. No core credit deductions will be assessed for the quality of the returned engine cores.

Ford Regional Core Recovery Centers (RCRC) will be solely responsible for the collection of core returns. RCRC will generate the statement receipt for your dealership's core credit, which will be paid on your Monthly Parts Statement.

Ford and Motorcraft 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 providing high-quality, competitively priced products.



# Warranty Claim Instructions

## Ford, Lincoln and Mercury Dealers:

When a component has failed on an assembly within the 24/unlimited or 12/unlimited Service Part Warranty, follow the claiming instructions below for reimbursement.

To access the Warranty Claiming site visit:

<http://fmcdealer.dealerconnection.com/>

Upon accessing this site, select Engines in the Parts Product Line Information section. View the menu on left for Warranty. Select Warranty. Select Claiming Instructions.

- Enter SSP as the Program Code.
- Enter as the causal part the base part number of the complete assembly.
- Enter the replaced parts and labor required to complete the repair.

```

DMLACEBZ *** Ford ACES II Service Part *** 09/24/1999 10:37:32
=== P&A: / GSC: USA Stat: =>CHG
VIN: 1FDLF47F6SEA13799 RprDt: 09/07/1999 Dist: 47100 M SvcId 001234 LIC ST: _
RO/Rpr: 345678 01 PgmCd: SSP CstCrn: D41 CC: 42 DTC: N
Ref Ro Nb 101010 SrvDat: 8900 SrvcPrtdt 02/03/1999
Apvl: 1 2
CstCmt: ENGINE ROUGH, ENGINE KNOCKS
TechCmt: REPLACE #1 PISTON

```

AC Ty	Part/LaborOp/Misc	Key	Qty/Hrs	Ea Amt	Inv #	Tech/Core	Total
A _ P	6006	X	0.00	0.00		0.00	0.00
B P	F4TZ 6102A		1.00	80.40		0.00	161.12
C P	F4TZ 6051A		1.00	41.49		0.00	83.15
D P	F4TZ 6R078A		1.00	22.93		0.00	45.95
E L	6149A		11.9	44.30	001235		527.17
F L	6149AXA		0.9	44.30	001235		39.87
G L	6149A6		0.4	44.30	001235		17.72
H L	6149A4		2.8	44.30	001235		124.04
I							
J							
K							

F2=GNext F3=End F4=Comm F5=Codes F6=Stat F7=Prv F8=Nxt F9=Error F10=Tot F11=Hold

**Note:** Failure to enter the base part number of the complete assembly as the causal part will result in the repair being returned unpaid.

**Note:** When requesting labor reimbursement for an over-the-counter (OTCM) purchased part, the claiming procedures are the same as above except the Program Code will be OTCM.\*

\*Labor Operation OSL can be used, but the guidelines in the Warranty and Policy Manual must be followed.

## Obtain Prior Approval Before Replacing Engine Under Warranty!

The following process must be used to request prior approval for 6.0L/7.3L/6.9L diesel engine replacement:

- Perform diagnostics and testing as directed in the applicable Workshop Manual and Powertrain Control Emission Manual.
- Utilize OASIS and perform applicable TSBs and OASIS Special Service Messages.
- Complete and submit the web-based diagnostics through FMCD dealer.
- Utilize the total repair cost cap criteria to determine if a repair should be performed or an assembly is required. (See the Exchange Program Quick Reference Chart for details).
- If an assembly is required, call Ford Motor Company's Technical Hotline for prior approval at **(800) 826-4694** and select option #2 Engine and Transmission Exchange Prior Approval.
- A Hotline Service Engineer will assist you to repair or replace the engine assembly.

**IMPORTANT: If a prior approval code is not obtained from Ford Motor Company's Technical Hotline prior to replacing the 6.0L/7.3L/6.9L diesel engine, approval will be denied and any warranty claim will be returned unpaid.**

## General Installers—Warranty Claiming Instructions for Parts and Labor:

- Engine assemblies and components found to be defective before installation on the vehicle or sales over-the-counter are to be returned for credit to your selling Ford Powertrain Distributor or dealer.
- Only new Ford Original Equipment 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.
- When claiming warranty, the owner's repair order (or sales slip for the original purchase) and Installer invoice showing the labor amount charged for replacement must be provided to the Ford Powertrain Distributor or dealer.
- All parts replaced under warranty must be returned to your selling dealer.

## To be eligible for warranty reimbursement, the Installer repair order must include:

- Customer's original concern, clearly stated.
- Diagnostic steps taken to determine cause of warranted concern with diagnostic results clearly documented on Installer repair order. (Warranty parts and labor reimbursement requests must be supported by diagnostic labor steps and test results.)



# Limited Warranty Statement

## Ford and Motorcraft Remanufactured Diesel Engines

Ford Motor Company, The American Road, Dearborn, MI 48121 ("Ford") provides the following Limited Warranty on Ford and Motorcraft Remanufactured Diesel Engines to Ford, Lincoln and Mercury 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 or Motorcraft 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, Lincoln or Mercury Dealership or return to the Installer who originally installed the Ford or Motorcraft 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 (except those noted below) and labor at approved warranty reimbursement rates.
- The following parts are covered for 12 months from warranty start date (unlimited miles): fuel filter assembly and lines, fuel transfer pump, harnesses, sensors, switches, relays, glow plugs, fuel injection pump and lines.
- 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 (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.

### Individually Sold Components: Head, Connecting Rod, Water Pump, Crankshaft, Turbochargers Injection Drive Module, Electronic Control Module, and High Pressure Oil Pump, Turbocharger Pedestal, Injectors

- Parts and labor are covered against defects for 12 months/12,000 miles from warranty start date, whichever occurs first.
- 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

- Ford and Motorcraft Remanufactured Diesel Engines and Components installed by the Dealer or Installer  
—Warranty begins on the date of installation.
- Ford and Motorcraft Remanufactured Diesel Engines and Components sold by Dealer or Installer over-the-counter or to a retail purchaser  
—Warranty begins on the date of sale.

### Limitations to the Warranty

The following limitation applies to the products covered by this Limited Warranty:

- Towing charges are not reimbursable for Ford and Motorcraft Remanufactured Diesel Engines sold over-the-counter by a Dealer or Installer.

### How to Obtain Limited Warranty coverage for Ford and Motorcraft 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 or Motorcraft Remanufactured Diesel Engine to the Installer (from which the assembly or component was purchased) or to any Dealer for repairs.



### 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 warranted 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 OR MOTORCRAFT REMANUFACTURED DIESEL ENGINES THAT FAIL DUE TO ABUSE, MISUSE, NEGLIGENCE, ALTERATION, ACCIDENT, RACING, OR THE USE OF NON-FORD PARTS, OR LACK OF PROPER MAINTENANCE.

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 AND MOTORCRAFT 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.



# Cross Reference

Index, Cast ID Number

## Cross Reference Index

Cast ID Number . . . . .	53-54
Connector ID Number . . . . .	54
Engine ID Number . . . . .	55-61
Ford Service to Motorcraft . . . . .	62
Motorcraft to Ford Service . . . . .	63

<b>Cast ID Number</b>			
<b>CAST ID</b>	<b>FORD SERVICE #</b>	<b>MC PART #</b>	<b>PART TYPE</b>
1057842H	4C3Z-9A543-AARM	--	HP Injection Oil Pump
1805288C1	XU2Z-6V049-AARM	CH-4-RM	Cylinder Head w/ Valves
1805615C1	XU2Z-6V200-BARM	PR-5-RM	Connecting Rod
1805855C1	XU2Z-6V049-CARM	CH-11-RM	Cylinder Head w/ Valves
1809030C3 *	F4TZ-6V049-AARM	CH-103-RM	Cylinder Head w/ Valves
1809030C3 *	XU2Z-6V049-DARM	CH-12-RM	Cylinder Head w/ Valves
1812003C2	F4TZ-6V200-CARM	PR-4-RM	Connecting Rod
1816187C3	F4TZ-9VE527-AARM	FI-2-RM	Fuel Injector
1816619C1	F4TZ-6V200-AARM	PR-1-RM	Connecting Rod
1816626C1	XU2Z-6VA642-AARM	OC-1-RM	Oil Cooler
18181823C3	1U2Z-8V501-CA	PWR-2	Water Pump
1818303C2	F4TZ-6V049-BARM	CH-2-RM	Cylinder Head w/ Valves
1821329C91	F4TZ-6VK682-BARM	TC-1-RM	Turbocharger
1821836C2	F4TZ-9VE527-AARM	FI-2-RM	Fuel Injector
1822803C1	F61Z-9VE527-BRM	CMR-1-RM	Fuel Injector
1822823C1	1U2Z-8V501-CA	PWR-2	Water Pump
1823423C2	2C3Z-8V501-BA	PWR-3	Water Pump
1823611C2	2C3Z-8V501-BA	PWR-3	Water Pump
1825113C1	F5TZ-6V049-AARM	CH-3-RM	Cylinder Head w/ Valves
1825125C1	F61Z-9VE527-BRM	CMR-1-RM	Fuel Injector
1831005C2	F81Z-8501-FA	PW-455	Water Pump
1831457C91	F81Z-6K682-BARM	--	Turbocharger
1831457C91/702014-0009	F81Z-6K682-BARM	--	Turbocharger
1831458C91	XC2Z-6K682-AARM	--	Turbocharger
1831458Cal/710134-0002	XC2Z-6K682-AARM	--	Turbocharger
1831489C1	F81Z-9E527-CRM	--	Fuel Injector
1831551C1	F81Z-9E527-CRM	--	Fuel Injector
1831576C1	YC3Z-8501-CA	PW-456	Water Pump
1831660C91	F81Z-6K682-CARM	--	Turbocharger
1831660C91/710134-0009	F81Z-6K682-CARM	--	Turbocharger
183166Cal/702670-5002	F81Z-6N639-DARM	--	Turbocharger Pedestal
1833545C91	YC3Z-6K682-AARM	--	Turbocharger
1833545C91	YC3Z-6N639-AARM	--	Turbocharger Pedestal
1833545C91/466785-0003	YC3Z-6K682-AARM	--	Turbocharger
1833545C91/468492-9001	F4TZ-6VN639-AARM	PTC-2-RM	Turbocharger Pedestal
1833639C1	XC3Z-9E527-AARM	--	Fuel Injector

NOTE: To find the location of the Cast ID Number consult the Components & Associated Materials section of this publication.  
 \* 7.3L IDI and IDIT have identical casting numbers



# Cross Reference

## Cast ID Number, Connector ID Number, Engine ID Number

<b>Cast ID Number</b>			
<b>CAST ID</b>	<b>FORD SERVICE #</b>	<b>MC PART #</b>	<b>PART TYPE</b>
1833640C1	XC3Z-9E527-AARM	--	Fuel Injector
1833641C1	F61Z-9VE527-ERM	CMR-2-RM	Fuel Injector
1834675C1	3C3Z-6200-AARM	--	Connecting Rod
1837127C#	3C3Z-12B599-AARM	--	Fuel Injection Control Module (FICM)
1837984C9#	3C3Z-6K682-AARM	--	Turbocharger
1837985C9#	4C4Z-6K682-AARM	--	Turbocharger
1839053C#	4C4Z-12A650-AA	--	Electronic Control Module (ECM)
1843080C2	3C3Z-6049-AARM	--	Cylinder Head w/ Valves
1843761C93	4C3Z-6K682-AARM	--	Turbocharger
1845117C2	4C3Z-12B599-AARM	--	Fuel Injection Control Module (FICM)
828C9#	3C3Z-9A543-AARM	--	HP Injection Oil Pump
991934cal/468485-0004	F4TZ-6VK682-CARM	TC-2-RM	Turbocharger
991966C91	F81Z-6K682-AARM	--	Turbocharger
991966C91/471128-0009	F81Z-6K682-AARM	--	Turbocharger
991967C91	F8UZ-6K682-AARM	--	Turbocharger
991967C91/471131-0006	F8UZ-6K682-AARM	--	Turbocharger
EI 500	XU2Z-8501-EA	PW-454	Water Pump
wp0000283751	4C4Z-8501-AARM	--	Water Pump
wp0000283751/spn10528	4C3Z-8501-ABRM	--	Water Pump

NOTE: To find the location of the Cast ID Number consult the Components & Associated Materials section of this publication.

<b>Connector ID Number</b>			
<b>CONNECTOR ID</b>	<b>FORD SERVICE #</b>	<b>MC PART #</b>	<b>PART TYPE</b>
1843481C94	3C3Z-9E527-AE	--	Fuel Injector
1843481C95	3C3Z-9E527-AE	--	Fuel Injector
1844751C2	4C3Z-9E527-AA	--	Fuel Injector
1845879C91	3C3Z-9E527-AE	--	Fuel Injector

NOTE: To find the location of the Component ID Number consult the Components & Associated Materials section of this publication.



<b>Engine ID Number</b>			
<b>Engine ID # (Tag #)</b>	<b>Ford Service #</b>	<b>MC Part #</b>	<b>Part Type</b>
1E 006 AA	1C3Z-6006-DARM	--	Engine, Long Block
1E 006 AA	1C3Z-6007-HARM	--	Engine, Complete
1E 006 AA	1C3Z-6009-AARM	--	Engine, Short Block
1E 007 AA	1C3Z-6006-DARM	--	Engine, Long Block
1E 007 AA	1C3Z-6007-HARM	--	Engine, Complete
1E 007 AA	1C3Z-6009-AARM	--	Engine, Short Block
1E 008 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
1E 008 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
1E 008 AA & AB	XC3Z-6007-CARM	--	Engine, Complete
1E 009 AA	F81Z-6009-AARM	--	Engine, Short Block
1E 009 AA	XC3Z-6006-AARM	--	Engine, Long Block
1E 009 AA	XC3Z-6007-CARM	--	Engine, Complete
2E 006 AA	1C3Z-6006-DARM	--	Engine, Long Block
2E 006 AA	1C3Z-6007-HARM	--	Engine, Complete
2E 006 AA	1C3Z-6009-AARM	--	Engine, Short Block
2E 007 AA	1C3Z-6006-DARM	--	Engine, Long Block
2E 007 AA	1C3Z-6007-HARM	--	Engine, Complete
2E 007 AA	1C3Z-6009-AARM	--	Engine, Short Block
2E 008 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
2E 008 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
2E 008 AA & AB	XC3Z-6007-CARM	--	Engine, Complete
5G 001 AA	F4TZ-6V006-BARM	SLGB-2-RM	Engine, Long Block
5G 001 AA	F4TZ-6V007-FARM	CALGB-2-RM	Engine, Complete
5G 001 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
5G 001 BA	F4TZ-6V006-BARM	SLGB-2-RM	Engine, Long Block
5G 001 BA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
5G 001 BA	F5TZ-6V007-AARM	CALGB-4-RM	Engine, Complete
5G 002 AA	F4TZ-6V006-BARM	SLGB-2-RM	Engine, Long Block
5G 002 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
5G 002 AA	F5TZ-6V007-AARM	CALGB-4-RM	Engine, Complete
5G 004 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
5G 004 AA	F5TZ-6V006-AARM	SLGB-3-RM	Engine, Long Block
5G 004 AA	F5UZ-6V007-AARM	CALGB-6-RM	Engine, Complete
7E 004 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
7E 004 AA	F7UZ-6V006-AARM	SLGB-13-RM	Engine, Long Block
7E 004 AA	F7UZ-6V007-AARM	CALGB-16-RM	Engine, Complete
AE 001 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
AE 001 AA - AD	XC3Z-6006-AARM	--	Engine, Long Block
AE 001 AA - AD	XC3Z-6007-CARM	--	Engine, Complete



# Cross Reference

## Engine ID Number

Engine ID Number			
Engine ID # (Tag #)	Ford Service #	MC Part #	Part Type
AE 002 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
AE 002 AA - AD	XC3Z-6006-AARM	--	Engine, Long Block
AE 002 AA - AD	XC3Z-6007-CARM	--	Engine, Complete
AE 004 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
AE 004 AA - AD	XC2Z-6006-AARM	--	Engine, Long Block
AE 004 AA - AD	XC2Z-6007-AARM	--	Engine, Complete
BE 001 AA	F81Z-6009-AARM	--	Engine, Short Block
BE 001 AA	XC3Z-6006-AARM	--	Engine, Long Block
BE 001 AA	XC3Z-6007-CARM	--	Engine, Complete
BE 001 AB & AC	F81Z-6009-AARM	--	Engine, Short Block
BE 001 AB & AC	XC3Z-6006-AARM	--	Engine, Long Block
BE 001 AB & AC	XC3Z-6007-CARM	--	Engine, Complete
BE 002 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
BE 002 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
BE 002 AA & AB	XC3Z-6007-CARM	--	Engine, Complete
BE 002 BA & BB	F81Z-6009-AARM	--	Engine, Short Block
BE 002 BA & BB	XC3Z-6006-AARM	--	Engine, Long Block
BE 002 BA & BB	XC3Z-6007-CARM	--	Engine, Complete
BE 004 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
BE 004 AA & AB	XC2Z-6006-AARM	--	Engine, Long Block
BE 004 AA & AB	XC2Z-6007-AARM	--	Engine, Complete
CE 001 AA	F81Z-6009-AARM	--	Engine, Short Block
CE 001 AA	XC3Z-6006-AARM	--	Engine, Long Block
CE 001 AA	XC3Z-6007-CARM	--	Engine, Complete
CE 002 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
CE 002 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
CE 002 AA & AB	XC3Z-6007-CARM	--	Engine, Complete
CE 002 BA	F81Z-6009-AARM	--	Engine, Short Block
CE 002 BA	XC3Z-6006-AARM	--	Engine, Long Block
CE 002 BA	XC3Z-6007-CARM	--	Engine, Complete
CE 004 AA	F81Z-6009-AARM	--	Engine, Short Block
CE 004 AA	XC2Z-6006-AARM	--	Engine, Long Block
CE 004 AA	XC2Z-6007-AARM	--	Engine, Complete
CE 006 AA	F81Z-6009-AARM	--	Engine, Short Block
CE 006 AA	XC3Z-6006-AARM	--	Engine, Long Block
CE 006 AA	XC3Z-6007-CARM	--	Engine, Complete
CE 009 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
CE 009 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
CE 009 AA & AB	XC3Z-6007-CARM	--	Engine, Complete

<b>Engine ID Number</b>			
<b>Engine ID # (Tag #)</b>	<b>Ford Service #</b>	<b>MC Part #</b>	<b>Part Type</b>
DG 042 AC & AD	3C3Z-6006-AARM	--	Engine, Long Block
DG 042 AC & AD	3C3Z-6009-AARM	--	Engine, Short Block
DG 042 AE & AG	3C3Z-6006-AARM	--	Engine, Long Block
DG 042 AE & AG	3C3Z-6009-AARM	--	Engine, Short Block
HE 001 AA	F7TZ-6V006-BARM	SLGB-12-RM	Engine, Long Block
HE 001 AA	F7TZ-6V007-BARM	CALGB-18-RM	Engine, Complete
HE 001 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
HE 002 AA	F7TZ-6V006-BARM	SLGB-12-RM	Engine, Long Block
HE 002 AA	F7TZ-6V007-BARM	CALGB-18-RM	Engine, Complete
HE 002 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
JE 001 CA - CL	F81Z-6006-AARM	--	Engine, Long Block
JE 001 CA - CL	F81Z-6007-VARM	--	Engine, Complete
JE 001 CA - CL	F81Z-6009-AARM	--	Engine, Short Block
JE 001 CN	F81Z-6006-AARM	--	Engine, Long Block
JE 001 CN	F81Z-6007-VARM	--	Engine, Complete
JE 001 CN	F81Z-6009-AARM	--	Engine, Short Block
JE 001 DA - DL	F81Z-6006-AARM	--	Engine, Long Block
JE 001 DA - DL	F81Z-6007-UARM	--	Engine, Complete
JE 001 DA - DL	F81Z-6009-AARM	--	Engine, Short Block
JE 001 DN	F81Z-6006-AARM	--	Engine, Long Block
JE 001 DN	F81Z-6007-UARM	--	Engine, Complete
JE 001 DN	F81Z-6009-AARM	--	Engine, Short Block
JE 002 CA - CL	F81Z-6006-AARM	--	Engine, Long Block
JE 002 CA - CL	F81Z-6007-VARM	--	Engine, Complete
JE 002 CA - CL	F81Z-6009-AARM	--	Engine, Short Block
JE 002 CN	F81Z-6006-AARM	--	Engine, Long Block
JE 002 CN	F81Z-6007-VARM	--	Engine, Complete
JE 002 CN	F81Z-6009-AARM	--	Engine, Short Block
JE 002 DA -DL	F81Z-6006-AARM	--	Engine, Long Block
JE 002 DA -DL	F81Z-6007-UARM	--	Engine, Complete
JE 002 DA -DL	F81Z-6009-AARM	--	Engine, Short Block
JE 002 DN	F81Z-6006-AARM	--	Engine, Long Block
JE 002 DN	F81Z-6007-UARM	--	Engine, Complete
JE 002 DN	F81Z-6009-AARM	--	Engine, Short Block
JE 004 AA & BD	F81Z-6006-BARM	--	Engine, Long Block
JE 004 AA & BD	F81Z-6007-TARM	--	Engine, Complete
JE 004 AA & BD	F81Z-6009-AARM	--	Engine, Short Block
JE 004 BE	F81Z-6006-BARM	--	Engine, Long Block
JE 004 BE	F81Z-6007-TARM	--	Engine, Complete
JE 004 BE	F81Z-6009-AARM	--	Engine, Short Block



# Cross Reference

## Engine ID Number

Engine ID Number			
Engine ID # (Tag #)	Ford Service #	MC Part #	Part Type
KE 001 AA	F81Z-6009-AARM	--	Engine, Short Block
KE 001 AA	XC3Z-6006-AARM	--	Engine, Long Block
KE 001 AA	XC3Z-6007-BARM	--	Engine, Complete
KE 001 BA - BD	F81Z-6009-AARM	--	Engine, Short Block
KE 001 BA - BD	XC3Z-6006-AARM	--	Engine, Long Block
KE 001 BA - BD	XC3Z-6007-CARM	--	Engine, Complete
KE 002 AA	F81Z-6009-AARM	--	Engine, Short Block
KE 002 AA	XC3Z-6006-AARM	--	Engine, Long Block
KE 002 AA	XC3Z-6007-BARM	--	Engine, Complete
KE 002 BA - BD	F81Z-6009-AARM	--	Engine, Short Block
KE 002 BA - BD	XC3Z-6006-AARM	--	Engine, Long Block
KE 002 BA - BD	XC3Z-6007-CARM	--	Engine, Complete
KE 004 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
KE 004 AA - AD	XC2Z-6006-AARM	--	Engine, Long Block
KE 004 AA - AD	XC3Z-6007-CARM	--	Engine, Complete
LE 001 AA	F81Z-6009-AARM	--	Engine, Short Block
LE 001 AA	XC3Z-6006-AARM	--	Engine, Long Block
LE 001 AA	XC3Z-6007-CARM	--	Engine, Complete
LE 002 AA	F81Z-6009-AARM	--	Engine, Short Block
LE 002 AA	XC3Z-6006-AARM	--	Engine, Long Block
LE 002 AA	XC3Z-6007-CARM	--	Engine, Complete
OE 006 AB	1C3Z-6006-DARM	--	Engine, Long Block
OE 006 AB	1C3Z-6007-HARM	--	Engine, Complete
OE 006 AB	1C3Z-6009-AARM	--	Engine, Short Block
OE 006 AE	1C3Z-6006-DARM	--	Engine, Long Block
OE 006 AE	1C3Z-6007-HARM	--	Engine, Complete
OE 006 AE	1C3Z-6009-AARM	--	Engine, Short Block
OE 007 AC & AD	1C3Z-6006-DARM	--	Engine, Long Block
OE 007 AC & AD	1C3Z-6007-HARM	--	Engine, Complete
OE 007 AC & AD	1C3Z-6009-AARM	--	Engine, Short Block
OE 008 AA - AE	F81Z-6009-AARM	--	Engine, Short Block
OE 008 AA - AE	XC3Z-6006-AARM	--	Engine, Long Block
OE 008 AA - AE	XC3Z-6007-CARM	--	Engine, Complete
OE 009 AA - AC	F81Z-6009-AARM	--	Engine, Short Block
OE 009 AA - AC	XC3Z-6006-AARM	--	Engine, Long Block
OE 009 AA - AC	XC3Z-6007-CARM	--	Engine, Complete
SE 001 AB	F81Z-6009-AARM	--	Engine, Short Block
SE 001 AB	XC3Z-6006-AARM	--	Engine, Long Block
SE 001 AB	XC3Z-6007-CARM	--	Engine, Complete

<b>Engine ID Number</b>			
<b>Engine ID # (Tag #)</b>	<b>Ford Service #</b>	<b>MC Part #</b>	<b>Part Type</b>
SE 001 AC & AD	F81Z-6009-AARM	--	Engine, Short Block
SE 001 AC & AD	XC3Z-6006-AARM	--	Engine, Long Block
SE 001 AC & AD	XC3Z-6007-CARM	--	Engine, Complete
SE 002 AB	F81Z-6009-AARM	--	Engine, Short Block
SE 002 AB	XC3Z-6006-AARM	--	Engine, Long Block
SE 002 AB	XC3Z-6007-CARM	--	Engine, Complete
SE 002 AC & AD	F81Z-6009-AARM	--	Engine, Short Block
SE 002 AC & AD	XC3Z-6006-AARM	--	Engine, Long Block
SE 002 AC & AD	XC3Z-6007-CARM	--	Engine, Complete
SE 004 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
SE 004 AA - AD	XC2Z-6006-AARM	--	Engine, Long Block
SE 004 AA - AD	XC2Z-6007-AARM	--	Engine, Complete
SE 004 AD	F81Z-6009-AARM	--	Engine, Short Block
SE 004 AD	XC2Z-6006-AARM	--	Engine, Long Block
SE 004 AD	XC2Z-6007-AARM	--	Engine, Complete
TE 001 AA - AC	F81Z-6009-AARM	--	Engine, Short Block
TE 001 AA - AC	XC3Z-6006-AARM	--	Engine, Long Block
TE 001 AA - AC	XC3Z-6007-CARM	--	Engine, Complete
TE 001 AC	F81Z-6009-AARM	--	Engine, Short Block
TE 001 AC	XC3Z-6006-AARM	--	Engine, Long Block
TE 001 AC	XC3Z-6007-CARM	--	Engine, Complete
TE 002 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
TE 002 AA & AB	XC3Z-6006-AARM	--	Engine, Long Block
TE 002 AA & AB	XC3Z-6007-CARM	--	Engine, Complete
TE 002 AB	F81Z-6009-AARM	--	Engine, Short Block
TE 002 AB	XC3Z-6006-AARM	--	Engine, Long Block
TE 002 AB	XC3Z-6007-CARM	--	Engine, Complete
TE 004 AA & AB	F81Z-6009-AARM	--	Engine, Short Block
TE 004 AA & AB	XC2Z-6006-AARM	--	Engine, Long Block
TE 004 AA & AB	XC2Z-6007-AARM	--	Engine, Complete
UE 001 AA	F7TZ-6V006-CARM	SLGB-14-RM	Engine, Long Block
UE 001 AA	F7TZ-6V007-AARM	CALGB-17-RM	Engine, Complete
UE 001 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
UE 001 CA	F81Z-6009-AARM	--	Engine, Short Block
UE 001 CA	XC3Z-6006-AARM	--	Engine, Long Block
UE 001 CA	XC3Z-6007-CARM	--	Engine, Complete
UE 002 AA	F7TZ-6V006-CARM	SLGB-14-RM	Engine, Long Block
UE 002 AA	F7TZ-6V007-AARM	CALGB-17-RM	Engine, Complete
UE 002 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block



# Cross Reference

## Engine ID Number

Engine ID Number			
Engine ID # (Tag #)	Ford Service #	MC Part #	Part Type
UE 002 CA & CB	F81Z-6009-AARM	--	Engine, Short Block
UE 002 CA & CB	XC3Z-6006-AARM	--	Engine, Long Block
UE 002 CA & CB	XC3Z-6007-CARM	--	Engine, Complete
UE 004 AA	F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
UE 004 AA	F7UZ-6V006-AARM	SLGB-13-RM	Engine, Long Block
UE 004 AA	F7UZ-6V007-AARM	CALGB-16-RM	Engine, Complete
UE 004 CA	F81Z-6009-AARM	--	Engine, Short Block
UE 004 CA	XC2Z-6006-AARM	--	Engine, Long Block
UE 004 CA	XC2Z-6007-AARM	--	Engine, Complete
WE 001 CA - CL	F81Z-6006-AARM	--	Engine, Long Block
WE 001 CA - CL	F81Z-6007-VARM	--	Engine, Complete
WE 001 CA - CL	F81Z-6009-AARM	--	Engine, Short Block
WE 001 CN	F81Z-6006-AARM	--	Engine, Long Block
WE 001 CN	F81Z-6007-VARM	--	Engine, Complete
WE 001 CN	F81Z-6009-AARM	--	Engine, Short Block
WE 001 DA - DL	F81Z-6006-AARM	--	Engine, Long Block
WE 001 DA - DL	F81Z-6007-UARM	--	Engine, Complete
WE 001 DA - DL	F81Z-6009-AARM	--	Engine, Short Block
WE 001 DN	F81Z-6006-AARM	--	Engine, Long Block
WE 001 DN	F81Z-6007-UARM	--	Engine, Complete
WE 001 DN	F81Z-6009-AARM	--	Engine, Short Block
WE 002 CA - CL	F81Z-6006-AARM	--	Engine, Long Block
WE 002 CA - CL	F81Z-6007-VARM	--	Engine, Complete
WE 002 CA - CL	F81Z-6009-AARM	--	Engine, Short Block
WE 002 CN	F81Z-6006-AARM	--	Engine, Long Block
WE 002 CN	F81Z-6007-VARM	--	Engine, Complete
WE 002 CN	F81Z-6009-AARM	--	Engine, Short Block
WE 002 DA - DL	F81Z-6006-AARM	--	Engine, Long Block
WE 002 DA - DL	F81Z-6007-UARM	--	Engine, Complete
WE 002 DA - DL	F81Z-6009-AARM	--	Engine, Short Block
WE 002 DN	F81Z-6006-AARM	--	Engine, Long Block
WE 002 DN	F81Z-6007-UARM	--	Engine, Complete
WE 002 DN	F81Z-6009-AARM	--	Engine, Short Block
WE 004 AA & BD	F81Z-6006-BARM	--	Engine, Long Block
WE 004 AA & BD	F81Z-6007-TARM	--	Engine, Complete
WE 004 AA & BD	F81Z-6009-AARM	--	Engine, Short Block
WE 004 BE	F81Z-6006-BARM	--	Engine, Long Block
WE 004 BE	F81Z-6007-TARM	--	Engine, Complete
WE 004 BE	F81Z-6009-AARM	--	Engine, Short Block

<b>Engine ID Number</b>			
<b>Engine ID # (Tag #)</b>	<b>Ford Service #</b>	<b>MC Part #</b>	<b>Part Type</b>
XE 001 AA	F81Z-6009-AARM	--	Engine, Short Block
XE 001 AA	XC3Z-6006-AARM	--	Engine, Long Block
XE 001 AA	XC3Z-6007-BARM	--	Engine, Complete
XE 001 BA - BD	F81Z-6009-AARM	--	Engine, Short Block
XE 001 BA - BD	XC3Z-6006-AARM	--	Engine, Long Block
XE 001 BA - BD	XC3Z-6007-CARM	--	Engine, Complete
XE 002 AA	F81Z-6009-AARM	--	Engine, Short Block
XE 002 AA	XC3Z-6006-AARM	--	Engine, Long Block
XE 002 AA	XC3Z-6007-BARM	--	Engine, Complete
XE 002 BA - BD	F81Z-6009-AARM	--	Engine, Short Block
XE 002 BA - BD	XC3Z-6006-AARM	--	Engine, Long Block
XE 002 BA - BD	XC3Z-6007-CARM	--	Engine, Complete
XE 004 AA - AD	F81Z-6009-AARM	--	Engine, Short Block
XE 004 AA - AD	XC2Z-6006-AARM	--	Engine, Long Block
XE 004 AA - AD	XC2Z-6007-AARM	--	Engine, Complete
ZE 001 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
ZE 001 AA	F6TZ-6V006-BARM	SLGB-10-RM	Engine, Long Block
ZE 001 AA	F6TZ-6V007-BARM	CALGB-14-RM	Engine, Complete
ZE 002 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
ZE 002 AA	F6TZ-6V006-BARM	SLGB-10-RM	Engine, Long Block
ZE 002 AA	F6TZ-6V007-BARM	CALGB-14-RM	Engine, Complete
ZE 004 AA	F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
ZE 004 AA	F6UZ-6V006-BARM	SLGB-11-RM	Engine, Long Block
ZE 004 AA	F6UZ-6V007-BARM	CALGB-15-RM	Engine, Complete



# Cross Reference

## Ford Service to Motorcraft, Motorcraft to Ford Service

### Ford Service to Motorcraft

Ford Service #	MC Part #	Part Type
1U2Z-8V501-CA	PWR-2	Water Pump
2C3Z-8V501-BA	PWR-3	Water Pump
3C3Z-6V303-AARM	CRK-382-RM	Crankshaft & Bearings
F3TZ-6V012-AARM	LGB-229-RM	Engine, Long Block (Stripped)
F4TZ-6V006-AARM	SLGB-1-RM	Engine, Long Block
F4TZ-6V006-BARM	SLGB-2-RM	Engine, Long Block
F4TZ-6V007-AARM	CALGB-1-RM	Engine, Complete
F4TZ-6V007-DARM	CALGB-3-RM	Engine, Complete
F4TZ-6V007-EARM	CALGB-5-RM	Engine, Complete
F4TZ-6V007-FARM	CALGB-2-RM	Engine, Complete
F4TZ-6V009-AARM	SHB-138-RM	Engine, Short Block
F4TZ-6V009-BARM	SHB-5-RM	Engine, Short Block
F4TZ-6V012-AARM	LGB-8-RM	Engine, Long Block (Stripped)
F4TZ-6V049-AARM	CH-103-RM	Cylinder Head w/ Valves
F4TZ-6V049-BARM	CH-2-RM	Cylinder Head w/ Valves
F4TZ-6V200-AARM	PR-1-RM	Connecting Rod
F4TZ-6V200-CARM	PR-4-RM	Connecting Rod
F4TZ-6V303-AARM	CRK-378-RM	Crankshaft & Bearings
F4TZ-6V303-BARM	CRK-10-RM	Crankshaft & Bearings
F4TZ-6VK682-BARM	TC-1-RM	Turbocharger
F4TZ-6VK682-CARM	TC-2-RM	Turbocharger
F4TZ-6VN639-AARM	PTC-2-RM	Turbocharger Pedestal
F4TZ-9VA543-AARM	OP-1-RM	HP Injection Oil Pump
F4TZ-9VE527-AARM	FI-2-RM	Fuel Injector
F5TZ-6V006-AARM	SLGB-3-RM	Engine, Long Block
F5TZ-6V007-AARM	CALGB-4-RM	Engine, Complete
F5TZ-6V049-AARM	CH-3-RM	Cylinder Head w/ Valves
F5UZ-6V007-AARM	CALGB-6-RM	Engine, Complete
F5UZ-6V012-AARM	LGB-11-RM	Engine, Long Block (Stripped)
F61Z-9VE527-BRM	CMR-1-RM	Fuel Injector
F61Z-9VE527-ERM	CMR-2-RM	Fuel Injector
F6TZ-6V006-AARM	SLGB-8-RM	Engine, Long Block
F6TZ-6V006-BARM	SLGB-10-RM	Engine, Long Block
F6TZ-6V007-AARM	CALGB-12-RM	Engine, Complete
F6TZ-6V007-BARM	CALGB-14-RM	Engine, Complete
F6TZ-9VA543-ARM	HPP-1-RM	HP Injection Oil Pump

### Ford Service to Motorcraft

Ford Service #	MC Part #	Part Type
F6UZ-6V006-AARM	SLGB-9-RM	Engine, Long Block
F6UZ-6V006-BARM	SLGB-11-RM	Engine, Long Block
F6UZ-6V007-AARM	CALGB-13-RM	Engine, Complete
F6UZ-6V007-BARM	CALGB-15-RM	Engine, Complete
F7TZ-6V006-BARM	SLGB-12-RM	Engine, Long Block
F7TZ-6V006-CARM	SLGB-14-RM	Engine, Long Block
F7TZ-6V007-AARM	CALGB-17-RM	Engine, Complete
F7TZ-6V007-BARM	CALGB-18-RM	Engine, Complete
F7TZ-6V009-AARM	SHB-148-RM	Engine, Short Block
F7UZ-6V006-AARM	SLGB-13-RM	Engine, Long Block
F7UZ-6V007-AARM	CALGB-16-RM	Engine, Complete
F81Z-8501-FA	PW-455	Water Pump
XU2Z-6V006-AARM	SLGB-4-RM	Engine, Long Block
XU2Z-6V006-BARM	SLGB-5-RM	Engine, Long Block
XU2Z-6V006-CARM	SLGB-6-RM	Engine, Long Block
XU2Z-6V006-DARM	SLGB-7-RM	Engine, Long Block
XU2Z-6V007-AARM	CALGB-7-RM	Engine, Complete
XU2Z-6V007-BARM	CALGB-8-RM	Engine, Complete
XU2Z-6V007-CARM	CALGB-9-RM	Engine, Complete
XU2Z-6V007-DARM	CALGB-10-RM	Engine, Complete
XU2Z-6V007-EARM	CALGB-11-RM	Engine, Complete
XU2Z-6V009-AARM	SHB-6-RM	Engine, Short Block
XU2Z-6V009-BARM	SHB-7-RM	Engine, Short Block
XU2Z-6V009-CARM	SHB-8-RM	Engine, Short Block
XU2Z-6V012-AARM	LGB-12-RM	Engine, Long Block (Stripped)
XU2Z-6V012-BARM	LGB-13-RM	Engine, Long Block (Stripped)
XU2Z-6V012-CARM	LGB-17-RM	Engine, Long Block (Stripped)
XU2Z-6V012-DARM	LGB-18-RM	Engine, Long Block (Stripped)
XU2Z-6V049-AARM	CH-4-RM	Cylinder Head w/ Valves
XU2Z-6V049-CARM	CH-11-RM	Cylinder Head w/ Valves
XU2Z-6V049-DARM	CH-12-RM	Cylinder Head w/ Valves
XU2Z-6V200-BARM	PR-5-RM	Connecting Rod
XU2Z-6VA642-AARM	OC-1-RM	Oil Cooler
XU2Z-8501-EA	PW-454	Water Pump
XU2Z-8501-EA	PW-455	Water Pump
YC3Z-8501-CA	PW-456	Water Pump



### Motorcraft to Ford Service

MC Part #	Ford Service #	Part Type
CALGB-1-RM	F4TZ-6V007-AARM	Engine, Complete
CALGB-2-RM	F4TZ-6V007-FARM	Engine, Complete
CALGB-3-RM	F4TZ-6V007-DARM	Engine, Complete
CALGB-4-RM	F5TZ-6V007-AARM	Engine, Complete
CALGB-5-RM	F4TZ-6V007-EARM	Engine, Complete
CALGB-6-RM	F5UZ-6V007-AARM	Engine, Complete
CALGB-7-RM	XU2Z-6V007-AARM	Engine, Complete
CALGB-8-RM	XU2Z-6V007-BARM	Engine, Complete
CALGB-9-RM	XU2Z-6V007-CARM	Engine, Complete
CALGB-10-RM	XU2Z-6V007-DARM	Engine, Complete
CALGB-11-RM	XU2Z-6V007-EARM	Engine, Complete
CALGB-12-RM	F6TZ-6V007-AARM	Engine, Complete
CALGB-13-RM	F6UZ-6V007-AARM	Engine, Complete
CALGB-14-RM	F6TZ-6V007-BARM	Engine, Complete
CALGB-15-RM	F6UZ-6V007-BARM	Engine, Complete
CALGB-16-RM	F7UZ-6V007-AARM	Engine, Complete
CALGB-17-RM	F7TZ-6V007-AARM	Engine, Complete
CALGB-18-RM	F7TZ-6V007-BARM	Engine, Complete
CH-2-RM	F4TZ-6V049-BARM	Cylinder Head w/ Valves
CH-3-RM	F5TZ-6V049-AARM	Cylinder Head w/ Valves
CH-4-RM	XU2Z-6V049-AARM	Cylinder Head w/ Valves
CH-11-RM	XU2Z-6V049-CARM	Cylinder Head w/ Valves
CH-12-RM	XU2Z-6V049-DARM	Cylinder Head w/ Valves
CH-103-RM	F4TZ-6V049-AARM	Cylinder Head w/ Valves
CMR-1-RM	F61Z-9VE527-BRM	Fuel Injector
CMR-2-RM	F61Z-9VE527-ERM	Fuel Injector
CRK-10-RM	F4TZ-6V303-BARM	Crankshaft & Bearings
CRK-378-RM	F4TZ-6V303-AARM	Crankshaft & Bearings
CRK-382-RM	3C3Z-6V303-AARM	Crankshaft & Bearings
FI-2-RM	F4TZ-9VE527-AARM	Fuel Injector
HPP-1-RM	F6TZ-9VA543-ARM	HP Injection Oil Pump
LGB-8-RM	F4TZ-6V012-AARM	Engine, Long Block (Stripped)
LGB-11-RM	F5UZ-6V012-AARM	Engine, Long Block (Stripped)
LGB-12-RM	XU2Z-6V012-AARM	Engine, Long Block (Stripped)
LGB-13-RM	XU2Z-6V012-BARM	Engine, Long Block (Stripped)
LGB-17-RM	XU2Z-6V012-CARM	Engine, Long Block (Stripped)

### Motorcraft to Ford Service

MC Part #	Ford Service #	Part Type
LGB-18-RM	XU2Z-6V012-DARM	Engine, Long Block (Stripped)
LGB-229-RM	F3TZ-6V012-AARM	Engine, Long Block (Stripped)
OC-1-RM	XU2Z-6VA642-AARM	Oil Cooler
OP-1-RM	F4TZ-9VA543-AARM	HP Injection Oil Pump
PR-1-RM	F4TZ-6V200-AARM	Connecting Rod
PR-4-RM	F4TZ-6V200-CARM	Connecting Rod
PR-5-RM	XU2Z-6V200-BARM	Connecting Rod
PTC-2-RM	F4TZ-6VN639-AARM	Turbocharger Pedestal
PW-454	XU2Z-8501-EA	Water Pump
PW-455	F81Z-8501-FA	Water Pump
PW-455	XU2Z-8501-EA	Water Pump
PW-456	YC3Z-8501-CA	Water Pump
PWR-2	1U2Z-8V501-CA	Water Pump
PWR-3	2C3Z-8V501-BA	Water Pump
SHB-5-RM	F4TZ-6V009-BARM	Engine, Short Block
SHB-6-RM	XU2Z-6V009-AARM	Engine, Short Block
SHB-7-RM	XU2Z-6V009-BARM	Engine, Short Block
SHB-8-RM	XU2Z-6V009-CARM	Engine, Short Block
SHB-138-RM	F4TZ-6V009-AARM	Engine, Short Block
SHB-148-RM	F7TZ-6V009-AARM	Engine, Short Block
SLGB-1-RM	F4TZ-6V006-AARM	Engine, Long Block
SLGB-2-RM	F4TZ-6V006-BARM	Engine, Long Block
SLGB-3-RM	F5TZ-6V006-AARM	Engine, Long Block
SLGB-4-RM	XU2Z-6V006-AARM	Engine, Long Block
SLGB-5-RM	XU2Z-6V006-BARM	Engine, Long Block
SLGB-6-RM	XU2Z-6V006-CARM	Engine, Long Block
SLGB-7-RM	XU2Z-6V006-DARM	Engine, Long Block
SLGB-8-RM	F6TZ-6V006-AARM	Engine, Long Block
SLGB-9-RM	F6UZ-6V006-AARM	Engine, Long Block
SLGB-10-RM	F6TZ-6V006-BARM	Engine, Long Block
SLGB-11-RM	F6UZ-6V006-BARM	Engine, Long Block
SLGB-12-RM	F7TZ-6V006-BARM	Engine, Long Block
SLGB-13-RM	F7UZ-6V006-AARM	Engine, Long Block
SLGB-14-RM	F7TZ-6V006-CARM	Engine, Long Block
TC-1-RM	F4TZ-6VK682-BARM	Turbocharger
TC-2-RM	F4TZ-6VK682-CARM	Turbocharger



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