

*See manual for installation procedure

Description	Notes
OIL PAN AND SUCTION TUBE	
OIL PAN DRAIN PLUG	55 LB .FT
OIL PAN BOLTS	26 LB.FT
PRE HEATER PLUG	55 LB.FT
POWER CYLINDERS	
CONNECTING ROD SCREWS FINAL	74 LB.FT PLUS 90 DEGREES
CYLINDER LINER PROTRUSION CLAMPS	59 LB.FT
FRONT COVER , FAN DRIVE , COMPONENTS	
AIR CLUTCH FAN DRIVE HEX BOLTS	
AUTO BELT TENSIONER C/S SCREW	35 LB.FT
CABLE ROLLER HEX BOLTS	44 LB.FT
CCV HEX BLTS	23 LB.FT
COOLANT ELBOW TO EGR MODULE HEX BOLTS	26 LB.FT
COOLANT ELBOW TO RADIATOR HEX BOLTS	26 LB.FT
DISTRIBUTOR CASE HEX BOLTS	26 LB.FT
DRIVE HOUSING HEX BOLS	85 LB.FT
HIGH MOUNT FAN BRACKET	M10 X 50 ADDITIONAL 90 DEGREES M10 X 65 27 LB.FT 45 LB.FT
HIGH MOUNT FAN TENSIONER COUNTER SUNK	35 LB.FT
HUB AND PULLEY HEX BOLTS TO VIBRATION DAMPER	33 LB.FT
HIGH MOUNT FAN PULLEY ASSEMBLY SHOULDER BOLT	45 LB.FT
M8 X 20 DRIVE HOUSING PULLEY HEX BOLTS	26 LB.FT
M8 X 25 FRONT CRANKCASE COVER HEX BOLTS	26 LB.FT
M8 X 40 FRONT CRANKCASE COVER HEX BOLTS	26 LB.FT
M12 X 30 DRIVE HOUSING PULLEY HEX BOLT	85 LB.FT
M12 X70 FRONT CRANKCASE	85 LB.FT
M14 X 30 FRONT CRANKCASE COVER HEX BOLTS	85 LB.FT
THERMOSTAT HOUSING ASSEMBLY HEX BOLTS	26 LB.FT
WATER PUMP HEX BOLTS	26 LB.FT
WATER PUMP PULLEY HEX BOLTS	26 LB.FT
VIBRATION DAMPER	111 LB.FT ADDITIONAL 90 DEGREES ROTATION
CRANKCASE	
NUMBER 6 MAIN BEARING CAP	88 LB.IN INITIAL
REMAINING BEARING CAP BOLTS	88 IN.LB
NUMBER 6 MAIN BEARING CAP	74 LB.FT
REMAINING BEARING CAP BOLTS	74 LB.FT
NUMBER 6 MAIN BEARING CAP	221 LB.FT
REMAINING BEARING CAP BOLTS	221 LB.FT

USB SPECIAL



DIAGNOSTIC & SERVICE MANUALS

- Pre 2004 530E
- Pre 2004 DT466E
- Pre 2004 T444E
- 2004-2007 DT 466
- 2004-2007 VT 275
- 2004-2007 VT 365
- 2007-2010 MaxxForce engines
- 2013 N10 w/SCR
- 2013 N13 w/SCR
- 2013 N9 w/SCR
- A26
- 9000i Series
- Chassis for Buses

TECHNICIAN MANUALS

- 2010-2017 DuraStar/WorkStar
- 2010-2017 LT/RH
- 2010-2016 ProStar
- 2017-2020 HX

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NUMBER 6 MAIN BEARING CAP ADDITIONAL 90 DEGREES

REMAINING BEARING CAP BOLTS ADDITIONAL 90 DEGREES

OIL COOLER , FILTER HOUSING AND CRANKCASE

BREATHER HEX NUT	25 LB.IN
OIL PRESSURE SENSOR	35 LB.FT
OIL COOLER HEX BOLTS	18 LB.FT
OIL FILTER COVER	30 LB.FT
OIL MODULE HEX BOLTS	55 LB.FT
OIL PRESSURE RELIEF VALVE	30 LB.FT
M10 X 1.0 PLUG	55 LB.FT
M38 X 1.5 PLUG	59 LB.FT
M33 X2 PLUGS	59 LB.FT
FLANGE ELBOW HEX BOLTS	18 LB.FT
WATER PUMP HEX BOLT	26 LB.FT
M26 X 1.5 THREADED UNION	18 LB.FT
M12 STRAIGHT FITTING	18 LB.FT

FUEL SYSTEM

QUICK DISCONNECT VALVE	26 LB.FT
FUEL FILTER HOUSING ASSEMBLY HEX BOLTS	26 LB.FT
FUEL FILTER BRACKET HEX BOLTS	26 LB.FT
HIGH PRESSURE PUMP HEX BOLTS	44 LB.FT
HOLLOW SCREWS 21 LB.FT	21 LB.FT
FUEL DRIP LINE FITTING NUTS	30 LB.FT
FUEL FILTER SCREW CAP	17 LB.FT
FUEL PRIMER PUMP ASSEMBLY HEX BOLTS	33 LB.FT
FUEL STRAINER COVER	89 LB.IN
INJECTION LINE FITTING NUTS	87 LB.IN PLUS 60 DEGREES
L10 -A4C ADAPTER	30 LB . FT
PRESSURE PIPE RAIL HEX BOLTS	21 LB.FT
M14 X 1.5 THREADED UNIONS	21 LB FT

AIR COMPRESSOR AND POWER STEERING

1-1/16 90 DEGREE ELBOW LOCK NUT	40 LB.FT
1/2 90 DEGREE TUBE ELBOW LOCK NUT	33 LB.FT
AIR COMPRESSOR HEX BOLTS	26 LB.FT
AIR COMPRESSOR SUCTION PIPE M8 X 65 HEX BOLTS	26 LB.FT
HIGH PRESSURE TUBE FITTING NUT	45 LB.FT
LOW PRESSURE TUBE FITTING NUT	120 LB .FT
POWER STEERING PUMP HEAVY BOLTS	49 LB.FT

FLYWHEEL ASSEMBLY (MANUAL TRANS)

	ADDITIONAL 90 DEGREES FINAL 90 DEGREE ROTATION	81 LB.FT
FLYWHEEL HOUSING HEX BOLTS		55 LB .FT

LIFTING EYE HEX BOLTS		133 LB.FT
AFTERTREATMENT SYSTEM		
PROFILED CLAMP (119)		62 LB.IN
AFTERTREATMENT FUEL INJECTOR P AFI HEX BOLTS		
COOLANT RETURN ASSEMBLY P- CLAMP HEX BOLTS		23 LB.FT
PARKER VEE 12 ONTO AFI		30 LB.FT
PARKER EW 12 ONTO PARKER V 12		30 LB.FT
PARKER WEE 12 INTO COOLANT ELBOW		30 LB.FT
STRAIGHT FITTING INTO HC CUT OFF VALVE		18 LB.FT
M10 X 1 THREADED UNION INTO HC CUT OFF VALVE		11 LB.FT
M14 X 1.5 THREADED UNION INTO HC CUT OFF VALVE		26 LB.FT
HC CUT OFF VALVE HEX BOLTS		23 LB.FT
M6 X 40 FUEL SUPPLY (UPPER LINE)	P CLAMP HEX BOLTS	11 LB.FT
M8 X 16 FUEL SUPPLY ASSEMBLY (LOWER LINE)		23 LB.FT
FUEL SUPPLY ASSEMBLY (UPPER LINE) FITTING NUT AT CONNECTION		30 LB.FT
FUEL SUPPLY ASSEMBLY LOWER LINE FITTING NUT AT HC CUT OFF		20 LB.FT
FUEL SUPPLY ASSEMBLY (LOWER LINE) AT PARKER 4C6MXSS		20 LB.FT
PARKER 4C6MXSS INTO AFI		11 LB.FT
DMR 114 PROFILED CLAMP		53 LB.IN
PRESSURE LINE P CLAMP STUD BOLT		26 LB.FT
RETARDER CONTROL HEX BOLTS		26 LB.FT
SIZE 6 HOLLOW SCREW		15 LB.FT
PRESSURE LINE FITTING NUT TO STRAIGHT UNION		22 LB.FT
PRESSURE LINE FITTING NUT TO RING UNION		22 LB.FT
STRAIGHT UNION		
PRESSURE AIR LINE FITTING NUT TO RETARDER CONTROL		106 LB.IN
PRESSURE AIR LINE FITTING NUT TO EXHAUST	MANIFOLD WITH BUTTERFLY	106 LB.IN
AIR SUPPLY LINE ASSEMBLY FITTING NUT TO RETARDER CONTROL		106 LB.FT
CYLINDER HEAD		
COLLAR BOLTS 1 TO 26		89 IN.LBS
COLLAR BOLTS 1 TO 26		111 LB.FT
COLLAR BOLTS 1 TO 26		221 LB.FT
ROTATE ONCE		90 DEGREES
ROTATE TWICE		90 DEGREES
ROTATE FINAL		90 DEGREES