

*See manual for installation procedure

Description	Notes
OIL PAN , FILTER HOUSING , CRANKCASE VENTILATION	
HEATER RETURN TUBE ASSEMBLY BOLT M6 X 16	115 LB.IN
HEATER RETURN TUBE ASSEMBLY TUBE NUT	97.LB.IN
OIL COOLER BOLTS , M8 X 45 AND M8 X 90	18 LB.FT
OIL FILTER COVER	30 LB.FT
OIL MODULE ASSEMBLY BOLTS M10 X 80 AND M8 X 90	M10 X 170 AND M10 X 110
OIL MODULE FLANGE BOLTS M8 X 45	18 LB.FT
OIL PRESSURE RELIEF VALVE	30 LB.FT
OPEN BREATHER TUBE ASSEMBLY BOLT M6 X 16	115 LB.IN
WATER PUMP BOLTS M8 X 150 (FRONT SIDE OF MODULE)	26 LB.FT
EXHAUST GAS RECIRCULATION (EGR) SYSTEM	
COOLANT MANIFOLD M8 X 18 BOLT	16 LB.FT
COOLANT MANIFOLD M8 X 25 HEAT RESISTANT BOLT	26 LB.FT
EGR DUAL FLAP VALVE M8 X 30 HEAT RESISTANT BOLT	
EGR INLET (CYLINDERS 1 - 3) TUBE M8 X25 HEAT RESISTANT BOLT	
EGR INLET CYLINDERS (4 - 6) TUBE M8 X 25 HEAT RESISTANT BOLT	
EGR MODULE COVER M8 X 85 BOLTS AND M8 X 90 STUD BOLT	18 LB.FT
EGR COOLER ASSEMBLY M10 X 45	45 LB.FT
EGR COOLER ASSEMBLY M10 X 170 BOLT	45 LB.FT
EGR OUTLET TUBE HOSE CLAMPS	45 LB.IN
EGR OUTLET TUBE HOSE CLAMPS	45 LB.IN
EGR VALVE COOLANT SUPPLY TUBE NUT	19 LB.FT
FRONT EGR COOLER CLEANING ADAPTER M8 BOLTS	18 LB.FT
HEAT PROTECTION (CYLINDERS 4 - 6) SHIELD M8 X 25 HEAT RESISTANT BOLTS	18 LB.FT
HT EGR COOLER MOUNTING STUDS 7/16 -14 NUTS	30 LB.FT
LEAK DETECTION PLATE KL20060 4 M8 X 30 BOLTS	18 LB.FT
LOW TEMP AND HIGH TEMP EGR COOLERS M8 X 55 HEX SOCKET SCREWS	
LT EGR COOLER MOUNTING STUDS 3/8 - 14 NUTS	30 LB.FT
REAR EGR COOLER CLEANING ADAPTER M8 BOLTS	18 LB.FT
OIL PAN , OIL PICK UP AND OIL FILL TUBE	
DRAIN PLUG M27 X 2	55 LB.FT
OIL PAN BOLTS M8 X 40	
OIL PAN HEATER ELEMENT	55 LB.FT
FLYWHEEL ASSEMBLY	
FIRST STAGE	
SECONDSTAGE	ADDITIONAL 90 DEGREE ROTATION ON BOLTS
FUEL SYSTEM	
BANJO BOLT M-14	22 LB.FT
CHECK VALVE	26 LB.FT
FORCING SCREW ADAPTER PLATE M10 X 40 BOLTS	20 LB.FT
FUEL DRAIN LINE FITTING NUT	19 LB.FT
FUEL FILTER HOUSING BRACKET M8X30 BOLT	26 LB.FT
FUEL FILTER HOUSING ASSEMBLY M8 X 45	26 LB.FT
FUEL FILTER CAP	18 LB.FT
FUEL FILTER STAND PIPE	106 LB.IN
FUEL PRIMER PUMP ASSEMBLY M8 X 25 BOLT	22 LB.FT
FUEL RAIL M8 X 40 BOLT	26 LB.FT

FUEL STRAINER COVER		89 LB.IN
FUEL SUPPLY ADAPTER		22 LB.FT
FUEL TO RAIL SUPPLY CLAMP ASSEMBLY SCREWS		44 LB.IN
HIGH PRESSURE CONNECTOR (BODY) RETAINING NUT		
DRIVE HOUSING M12 X 40 , M12 X 90 , M12 X 30 BOLT		77 LB.FT
HIGH PRESSURE FUEL PUMP M10 X 40 BOLT		46 LB.FT
HIGH PRESSURE FUEL PUMP M24 JAM NUT		210 LB.FT
HIGH PRESSURE FUEL PUMP SUPPORT M14 X 30 BOLT		126 LB.FT
HIGH PRESSURE PUMP PULLEY HOUSING M10 X 40 BOLT		46 LB.FT
HIGH PRESSURE PUMP PULLEY M16 X 40 LH BOLT		207 LB.FT
HOLDING PLATE M12 BOLTS		35 LB.FT
INJECTOR HARNESS NUT		16 LB.IN
INJECTOR HOLD DOWN CLAMP M8 X 50 BOLT	ADDITIONAL 90 DEGREES TORQUE TURN	18 LB.FT
	SEE PROCEEDURE IN ENGINE MANUAL FOR FUEL LINES	
HIGH PRESSURE RAIL TO INJECTOR TUBE ASSEMBLY FITTING		17 LB.FT
HPFP TO RAIL SUPPLY TUBE DAMPER ASSEMBLY INSTALL		
LINE FITTING NUT AT HPFP		17 LB.FT PLUS 60 DEGREES ROTATION
LINE FITTING NUT AT FUEL RAIL		17 LB.FT PLUS 60 DEGREES ROTATION
CYLINDER HEAD		
FIRST STAGE	1 TO 26	89 LB.IN
SECOND STAGE		111 LB.FT
THIRD STAGE		221 LB.FT
FOURTH STAGE		90 DEGREES BOLT ROTATION
FIFTH STAGE		90 DRGREES BOLTROTATION
SIXTH STAGE		90 DEGREES BOLT ROTATION
CYLINDER HEAD IDLER GEAR M8X30 SOCKET HEAD CAP SCREW		22 LB.FT
ROCKER ARM ASSEMBLY M12 X 60 SOCKET HEAD SCREW		77 LB.FT
UPPER VALVE COVER M8 X 30 BOLT		80 LB.IN
VALVE COVER BASE SCREW WITH DAMPER		97 LB.IN
VALVE LASH ADJUSTMENT M10 NUT		
ENGINE BRAKE ASSEMBLY		
BRAKE HOUSING M12 X 100 (SOCKET HEAD SCREW)		77 LB.FT
BRAKE HOUSING		55 LB .FT
BRAKE HOUSING SOLENOID HARNESS CONNECTOR NUT		16 LB.IN
SLAVE PISTON ADJUSTING SCREW M10 JAM NUT		18 LB.FT
SOLENOID M6 X 10 SOCKET HEAD CAP SCREW		110 LB.IN
CAMSHAFT BEARING CAP M8 X 35		18 LB.FT
TURBOCHARGERS		