

ADJUSTMENTS (Continued)

Oil Pump Inspection

Tools Required:

- Feeler Gauge D81L-4201-A

Pump Gear End Clearance

1. Inspect pump cover mating surface on front cover and pump body. Visually inspect O-ring for any cuts and/or nicks, replace if necessary. Remove any burrs or nicks.
2. Measure thickness of gear using a micrometer. Gear should be 30.455-30.480mm (1.19-1.20 inch) thick.
 - If gear is less than 30.455mm (1.19 inch) thick, replace gear.
 - If gear thickness is within specification, it may be necessary to replace the pump body.
 - If thickness of gear is within specified limits, proceed to Step 3.
3. Measure depth of the gear pocket in oil pump body. Depth should be 30.49-30.54mm (1.200-1.202 inch).
 - If depth is more than 30.54mm (1.202 inch) replace oil pump body.

Pump Gear Side Clearance

1. Measure side clearance by inserting Feeler Gauge D81L-4201-A or equivalent, between a gear tooth and side wall of the gear pocket.
 - Clearance should be a maximum of 0.13mm (0.005 inch), and gears should be free to turn.
 - If clearance is greater than 0.13mm (0.005 inch) proceed to Step 2.
2. Measure diameter of gear using a micrometer. Gear should be 38.252-38.332mm (1.505-1.509 inch) wide.
 - If gear is less than 38.252mm (1.505 inch) in diameter, replace gear and measure clearance as outlined in Step 1.
 - If diameter of gear is within specified limits go to Step 3.
3. Measure diameter of gear pocket in the front cover. The diameter should be 38.22-38.30mm (1.504-1.507 inch).
 - If diameter is less than 38.22mm (1.504 inch) replace front cover and measure clearance as specified in Step

SPECIFICATIONS

TORQUE SPECIFICATIONS ENGINE ACCESSORIES

Description	N-m	Lb-Ft
A/C Lower Mounting Bracket to Engine Nuts	41-61	30-44
Air Pump Pivot Bolt	54-75	40-55

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TORQUE SPECIFICATIONS ENGINE ACCESSORIES
(Cont'd)

Description	N-m	Lb-Ft
Air Pump to Support Bracket Bolt	40-55	30-40
Generator Pivot Bolt	61-75	45-57
Bolt A/C Comp. Mounting (5 Places)	41-61	30-45
Bolt Front Brace to Engine Brace A/C	41-61	30-45
Bracket, Idler Front Attach Bolt Lower	40-55	30-40
Bracket, Idler Front Attach Bolt Upper	70-95	52-70
Bracket, Idler Top Bolt	40-55	30-40
Engine Bracket Reinforcement Brace to Engine Bracket Bolt (Damper)	47-67	35-50
Engine Bracket Reinforcement Brace to Engine Bracket Nut (Damper)	80-107	60-80
Front A/C Comp. Plate Nut to Engine Stud (2 Places)	41-61	30-45
Front A/C Comp. Plate to Lower A/C Mounting Bracket Bolt	41-61	30-45
Front Brace, A/C to Engine Stud Nut	20-30	15-22
Insulator to A/C Bracket Bolt	54-75	40-55
Insulators to Frame RH Front, RH Rear Nut	68-95	50-70
Transaxle Support Assembly Bolt	48	35
Transaxle Insulator to Frame Bolt	54-75	40-55
Vertical Restrictor Assembly	54-75	40-55
Transaxle Mount to Insulator Nut	74-102	55-75
Insulator LH Rear Top Nut	54-75	40-55
Generator Bracket	40-55	30-40
Transmission to Engine Bolt	55-68	40-50
Torque Converter to Flywheel Bolt	27-46	20-34
Idler Bracket to Generator Top Attaching Flange Bolt	33-46	24-34
Idler Pulley Adv. Bolts (2 Places)	40-55	30-40
Nut Brace to Engine, A/C	20-30	15-22
Support A/C Comp. Mounting Bolt to Bracket Assembly (2 Places)	41-61	30-45
POWER STEERING WITH A/C		
Front Bracket to Power Steering Pump Bolt (3 Places)	40-62	30-45
Power Steering Brace Bolt (Lower)	24-32	18-24
Power Steering Brace Bolt (Upper)	40-62	30-45
Power Steering Front Bracket Nut (2 Places)	40-62	30-45
Power Steering Front Bracket to A/C Bracket Bolt	40-62	30-45
POWER STEERING W/O A/C		
Power Steering Brace Bolt (2 Places)	40-62	30-45

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