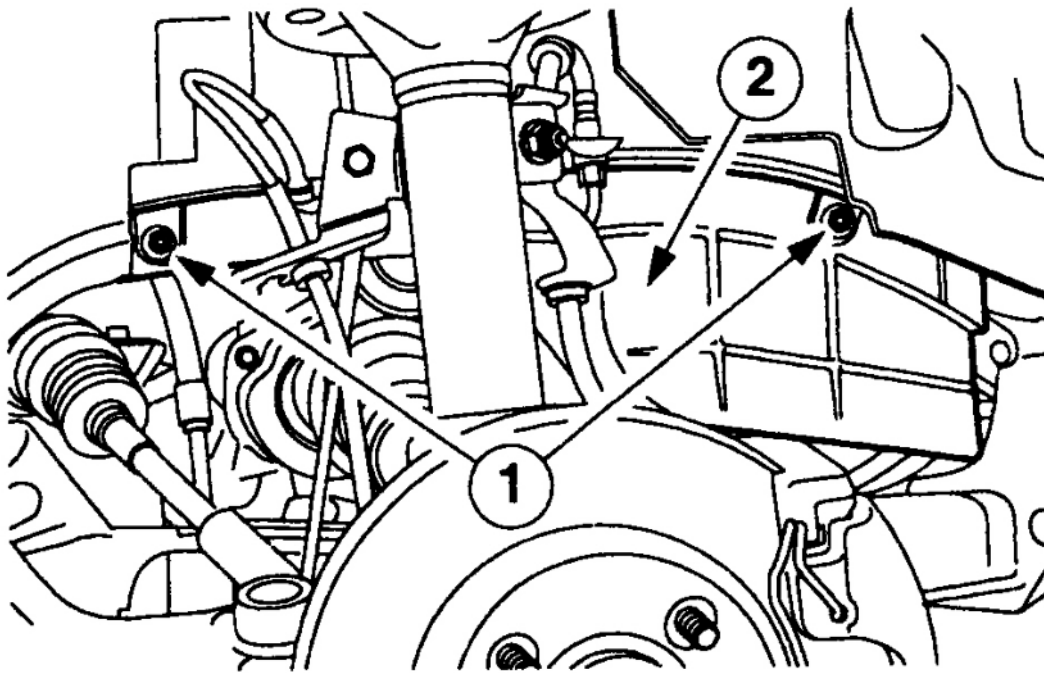


WATER PUMP

Removal (Contour & Mystique)

NOTE: Water pump must be turned 180 degrees to remove from the vehicle.

1. Install memory saver. Disconnect negative battery cable. Drain cooling system.
2. Raise and support vehicle. Remove right wheel. Remove right side lower splash shield. See **Fig. 14**. Lower vehicle. Loosen water pump pulley bolts (do not remove bolts). See **Fig. 15**.
3. Rotate accessory drive belt tensioner, remove accessory drive belt. See **Fig. 16**. Using strap wrench (303-D055) keep crankshaft pulley from turning, remove crankshaft pulley bolt and remove crankshaft pulley. Remove water pump pulley. Remove water pump bolts, remove water pump. See **Fig. 17**. Clean gasket mating surfaces.

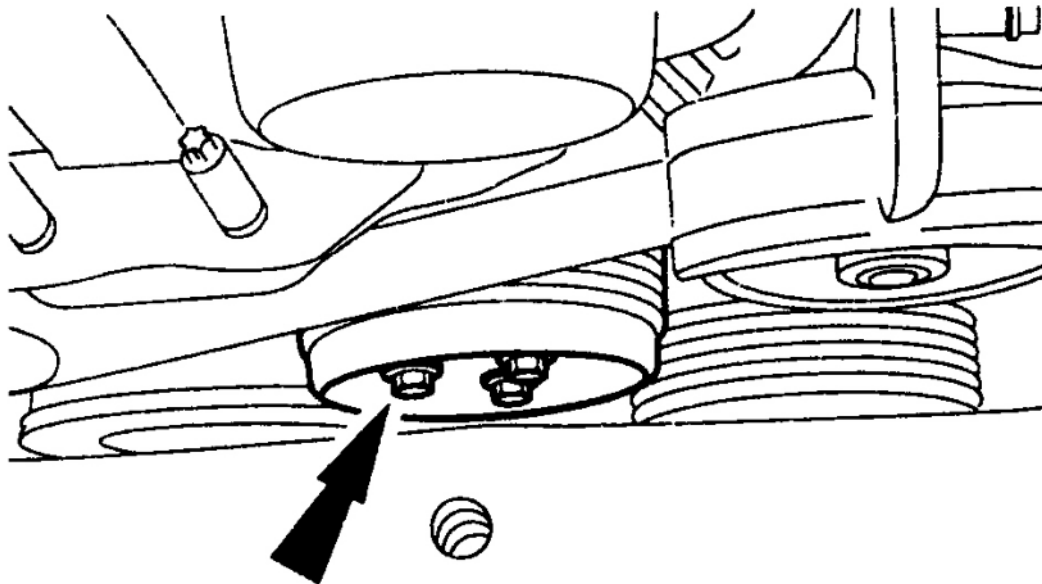


1. Splash Shield Fasteners

2. Splash Shield

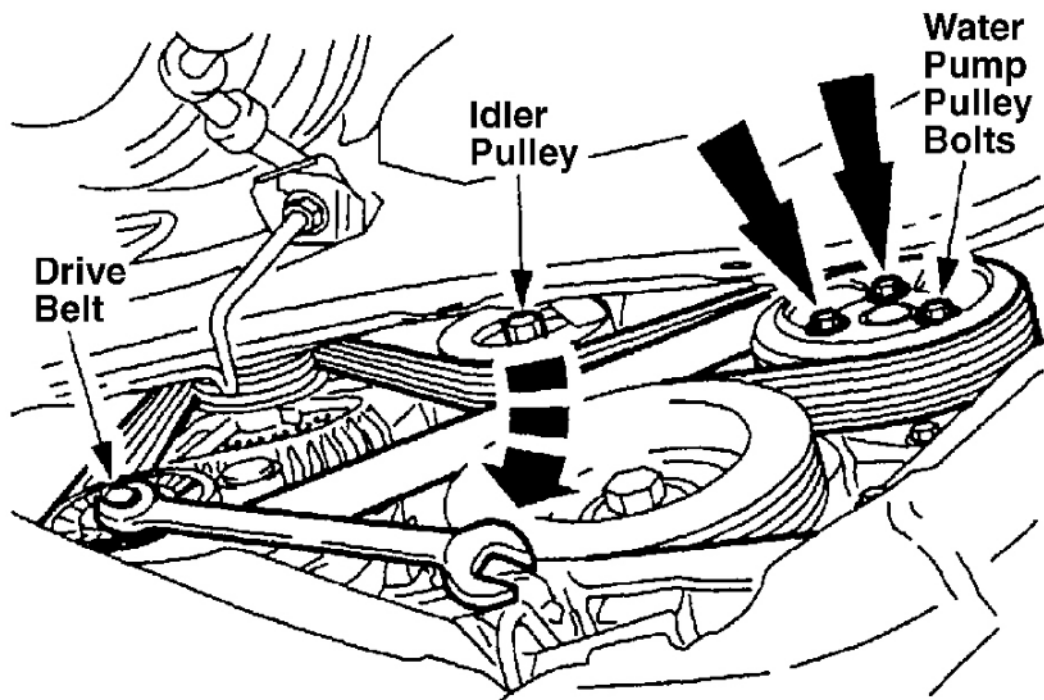
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Fig. 14: Identifying Right Side Lower Splash Shield
Courtesy of FORD MOTOR CO.



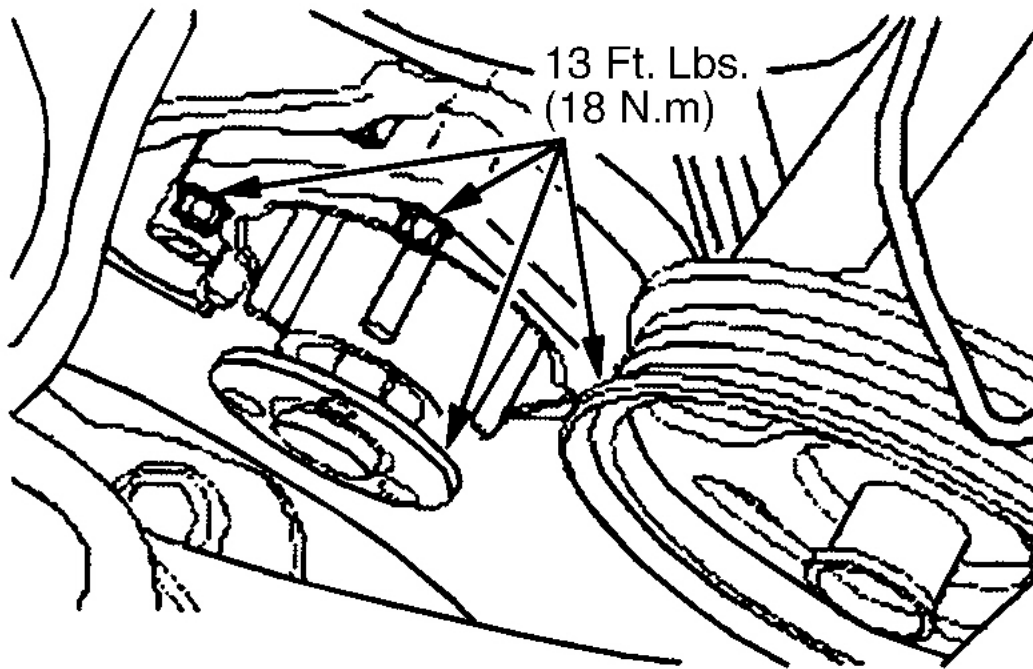
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Fig. 15: Identifying Water Pump Pulley Bolts
Courtesy of FORD MOTOR CO.



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Fig. 16: Removing Accessory Drive Belt
Courtesy of FORD MOTOR CO.

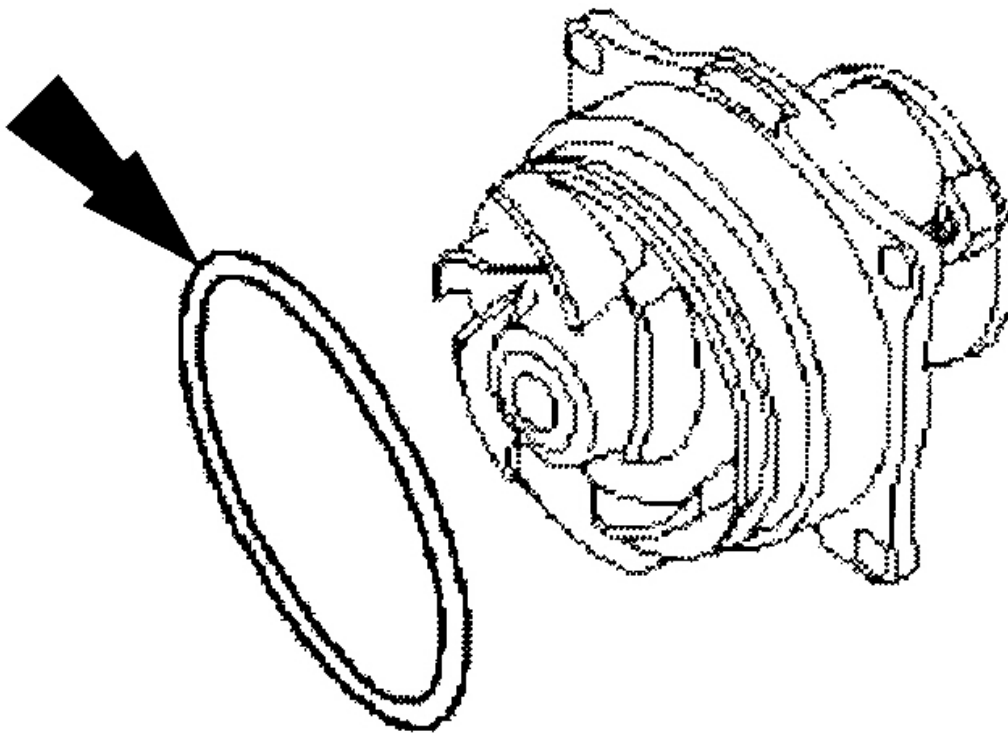


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Fig. 17: Identifying Water Pump Bolts
Courtesy of FORD MOTOR CO.

Installation (Contour & Mystique)

1. Install NEW "O" ring gasket on water pump. See **Fig. 18**. Install water pump and tighten bolts to specification. Install water pump pulley, tighten bolts hand tight.
2. Using strap wrench (303-D055) install crankshaft pulley bolt and tighten bolt to specification. Install accessory drive belt. Tighten water pump pulley bolts to specification. Install splash shield. Install wheel tighten lug nuts to specification. Ensure all bolts are tightened to specification . See **TORQUE SPECIFICATIONS**. Fill cooling system. Start engine and check for leaks.



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Fig. 18: Installing "O" Ring Gasket Onto Water Pump
Courtesy of FORD MOTOR CO.

Removal (Cougar)

1. Drain cooling system. Raise and support vehicle. Remove right wheel. Remove right side lower splash shield. See **Fig. 14**. Lower vehicle. Loosen water pump pulley bolts (do not remove bolts). See **Fig. 15**.
2. Rotate accessory drive belt tensioner clockwise, remove accessory drive belt. See **Fig. 16**. Remove water pump pulley. Remove water pump bolts, remove water pump. See **Fig. 17**. Clean gasket mating surfaces.

Installation (Cougar)

Install NEW "O" ring gasket on water pump. See **Fig. 18**. Install water pump and tighten bolts to specification. See **TORQUE SPECIFICATIONS**. To complete installation, reverse removal procedure. Tighten bolts to specification. Fill cooling system. Start engine and check for leaks.

Removal & Installation (Escape)

1. Drain the engine cooling system.

2. Remove the right front tire assembly.
3. Remove the splash shield.

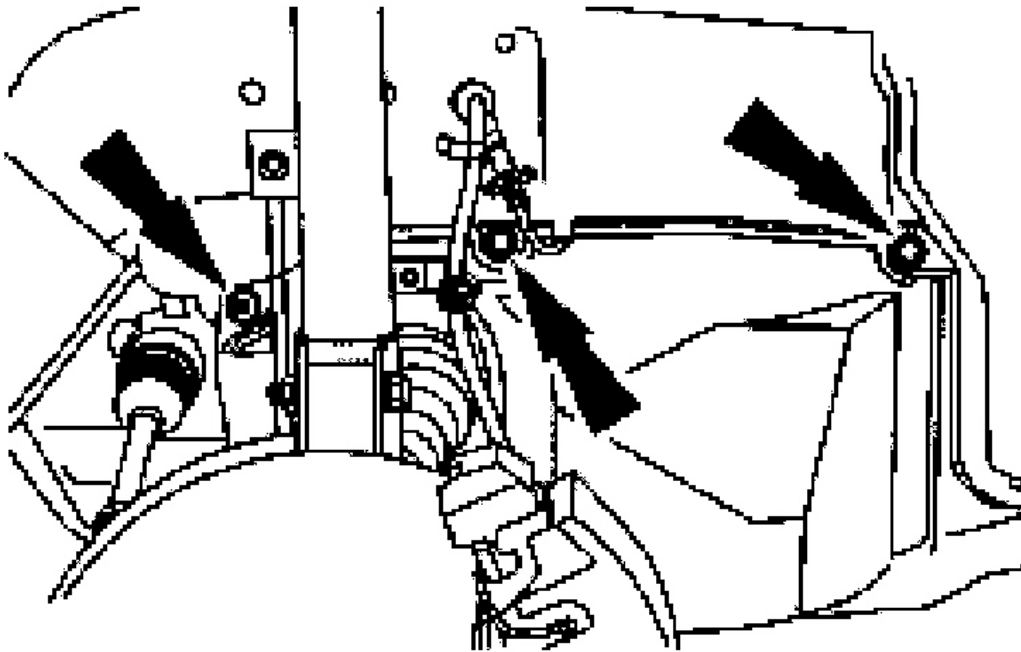
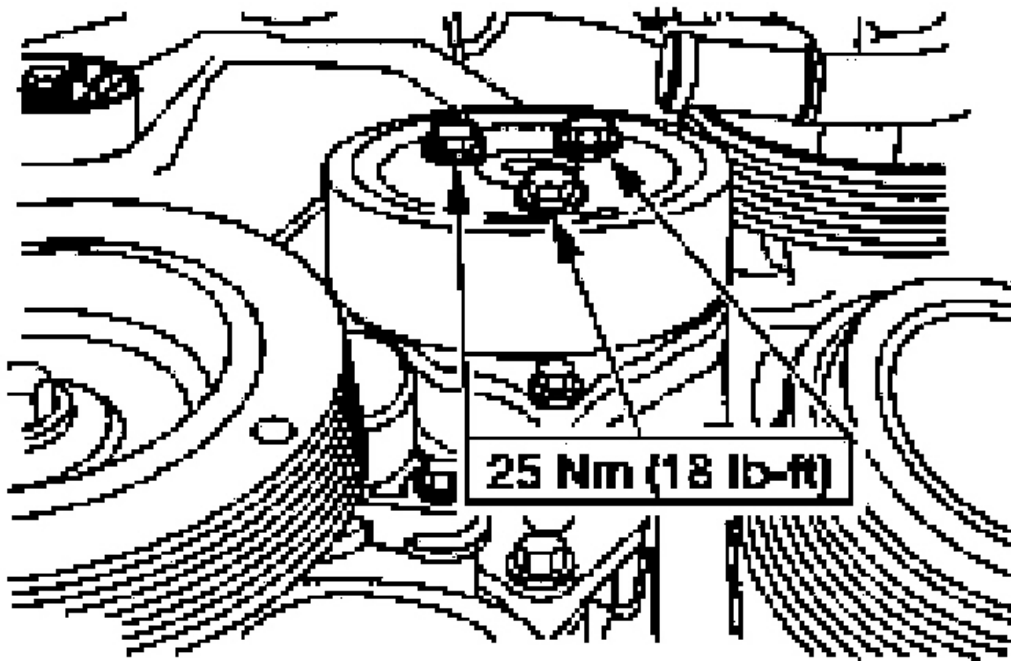
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Fig. 19: Removing Splash Shield
Courtesy of FORD MOTOR CO.

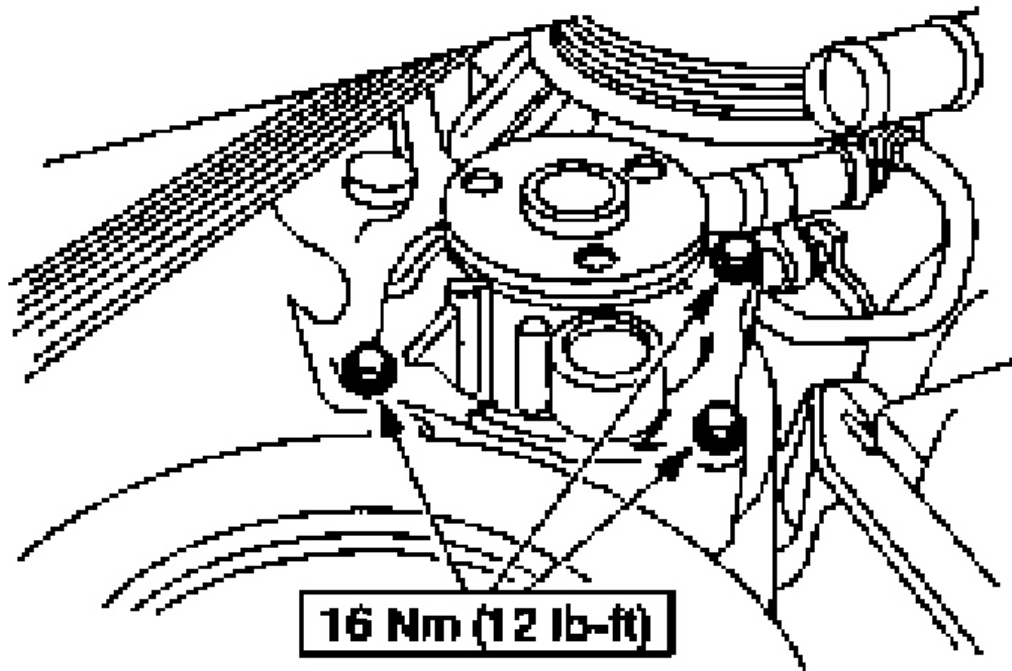
4. Remove the accessory drive belt.
5. Remove the coolant pump pulley.



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Fig. 20: Removing Coolant Pump Pulley
Courtesy of FORD MOTOR CO.

6. Remove the four bolts and the coolant pump.



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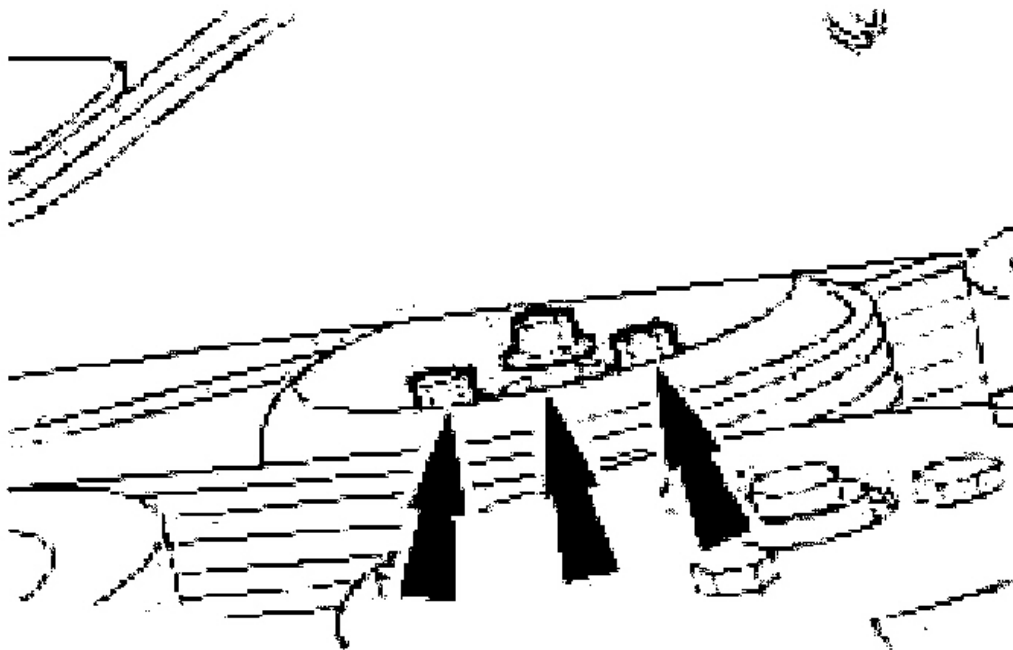
Fig. 21: Removing Four Bolts & Coolant Pump
Courtesy of FORD MOTOR CO.

NOTE: Clean and inspect the sealing surfaces.

7. To install, reverse the removal procedure.

Removal (Focus)

1. Disconnect the battery ground cable.
2. Drain the cooling system.
3. Loosen the water pump pulley retaining bolts.



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Fig. 22: Loosening Water Pump Pulley Retaining Bolts
Courtesy of FORD MOTOR CO.

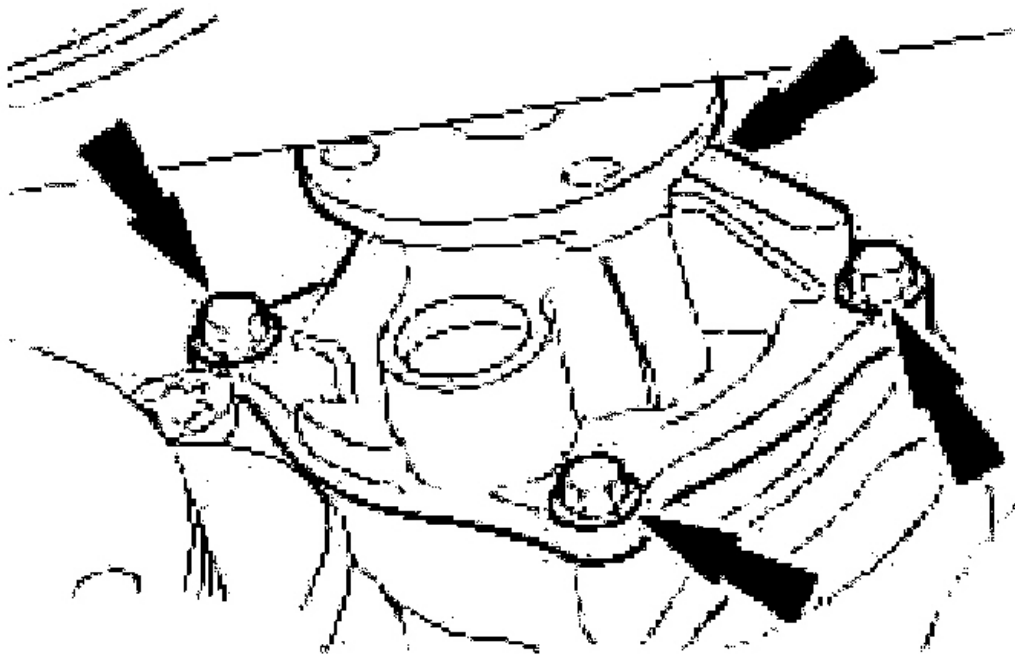
4. Remove the accessory drive belt.
5. Remove the water pump pulley.



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Fig. 23: Removing Water Pump Pulley
Courtesy of FORD MOTOR CO.

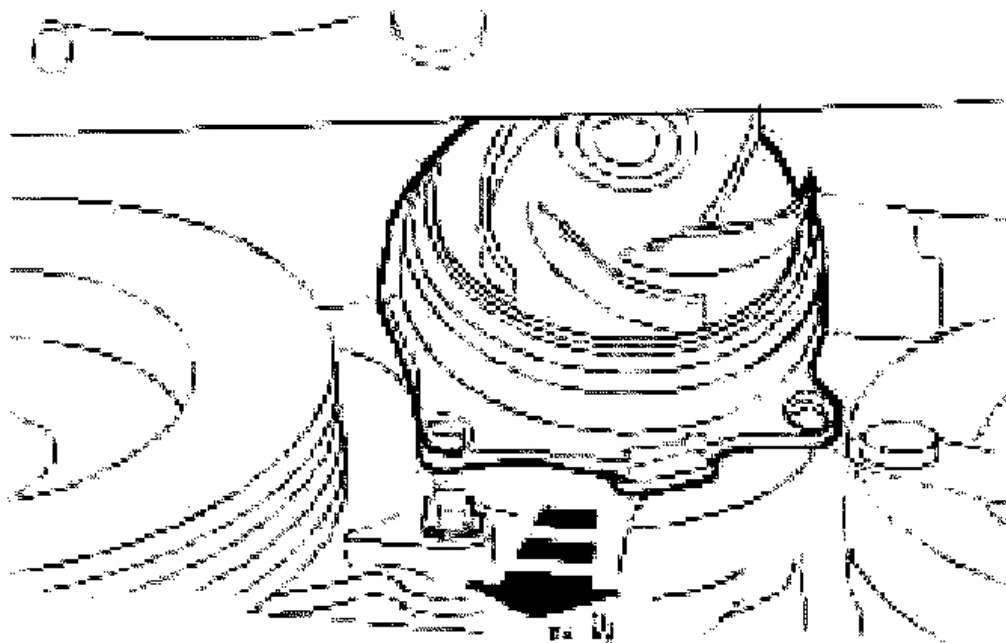
6. Detach the water pump from the water pump housing.



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Fig. 24: Detaching Water Pump From Water Pump Housing
Courtesy of FORD MOTOR CO.

7. Rotate the water pump 180° within the water pump housing and remove it.
 - Discard the sealing ring

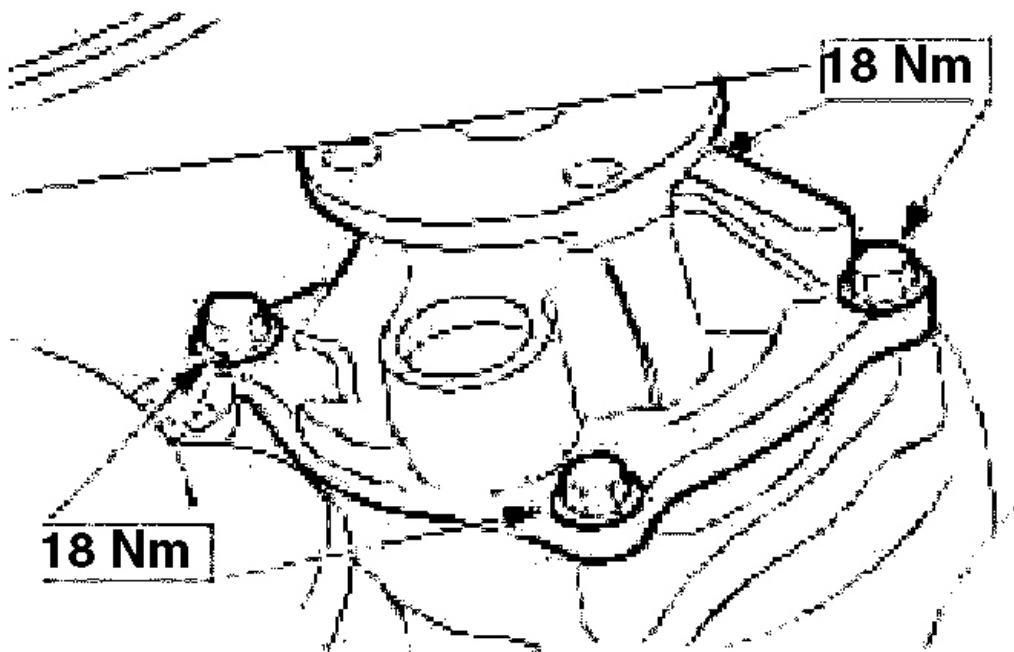


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Fig. 25: Removing Water Pump
Courtesy of FORD MOTOR CO.

Installation (Focus)

NOTE: Install a new water pump sealing ring.



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Fig. 26: Installing Water Pump Housing
Courtesy of FORD MOTOR CO.

1. To install, reverse the removal procedure.
2. Fill the cooling system.