

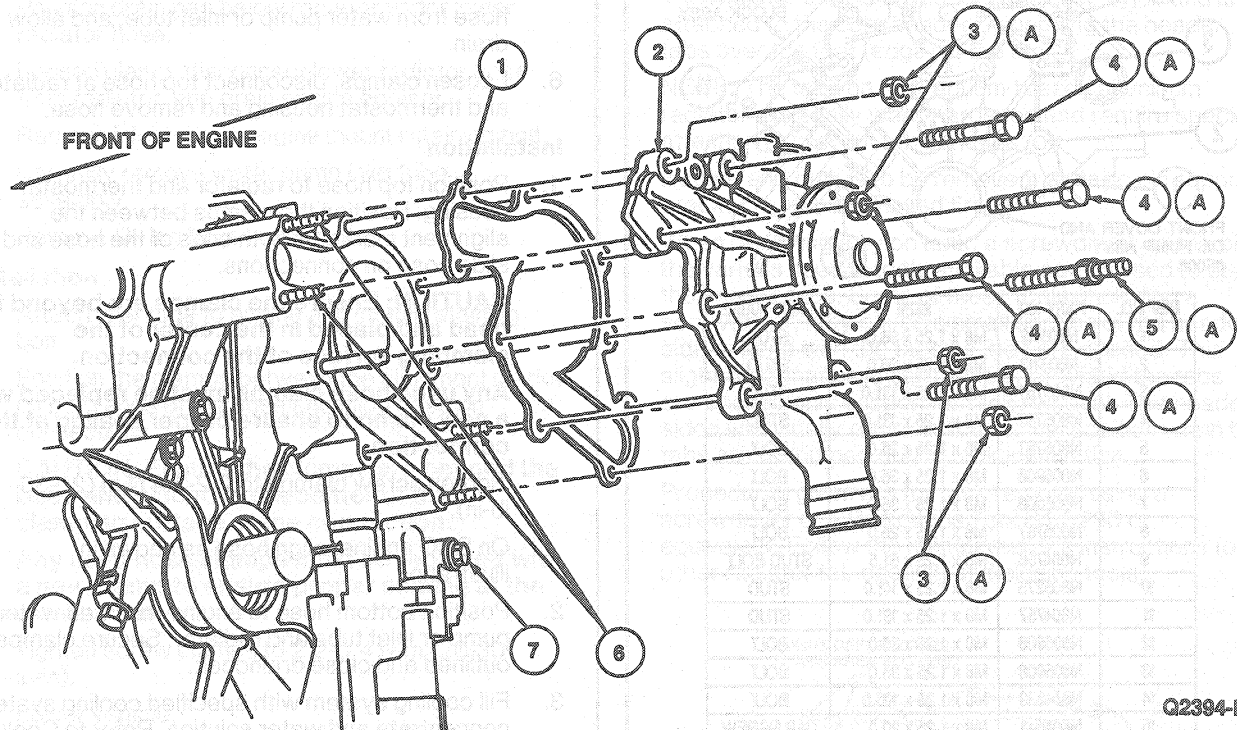
## REMOVAL AND INSTALLATION (Continued)

## 3.8L Engine

## Removal

1. Drain engine coolant. Refer to coolant drain procedure.
2. Disconnect battery ground cable.
3. Loosen accessory drive belt idler and remove drive belts.

4. Remove two nuts and one bolt attaching idler bracket to engine.
5. Disconnect heater hose at water pump.
6. Remove four pulley-to-pump hub bolts. The pulley will remain loose on hub due to insufficient clearance between inner fender and pump, restricting removal from vehicle.
7. Remove 11 water pump-to-engine retaining bolts.
8. Lift water pump and pulley out of vehicle.



Q2394-D

Item	Part Number	Description
1	8507	Gasket
2	8501	Water Pump Assy
3A	N804758	Nut
4A	605908	Bolt

(Continued)

Item	Part Number	Description
5A	N804756	Stud Bolt
6	—	Studs
7	—	Front Cover and Oil Pump Assy
A		Tighten to 20-30 N·m (15-22 Lb·Ft)

## Installation

**NOTE:** Lightly oil all bolt and stud threads before installation except those specifying special sealant.

1. Clean both gasket mating surfaces on water pump and engine front cover.

2. Position gasket on water pump sealing surface using Gasket and Trim Adhesive D7AZ-19B508-BA (ESE-M2G52-A and ESR-M11P17-A) or equivalent.