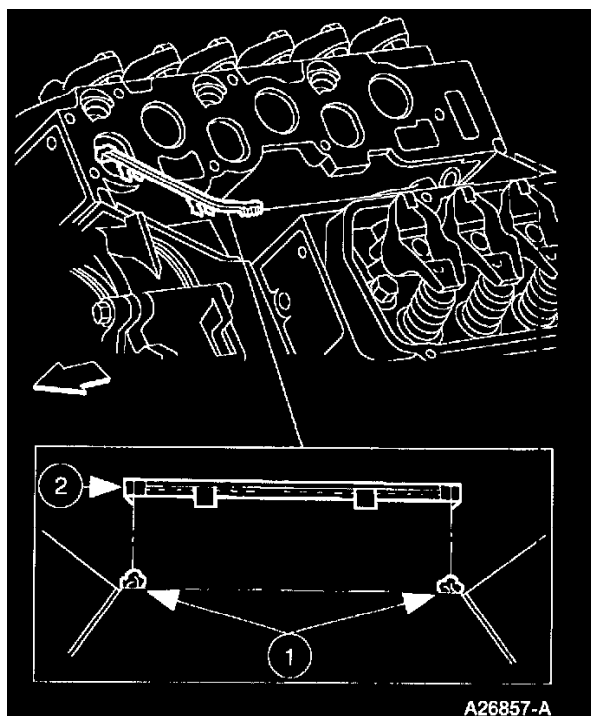


## Intake Manifold: Service and Repair Installation

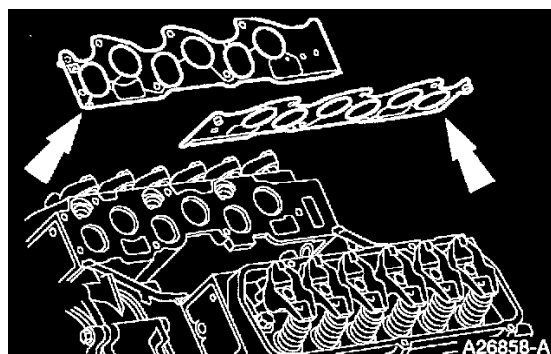


1. Install the lower intake manifold front and rear end seals.

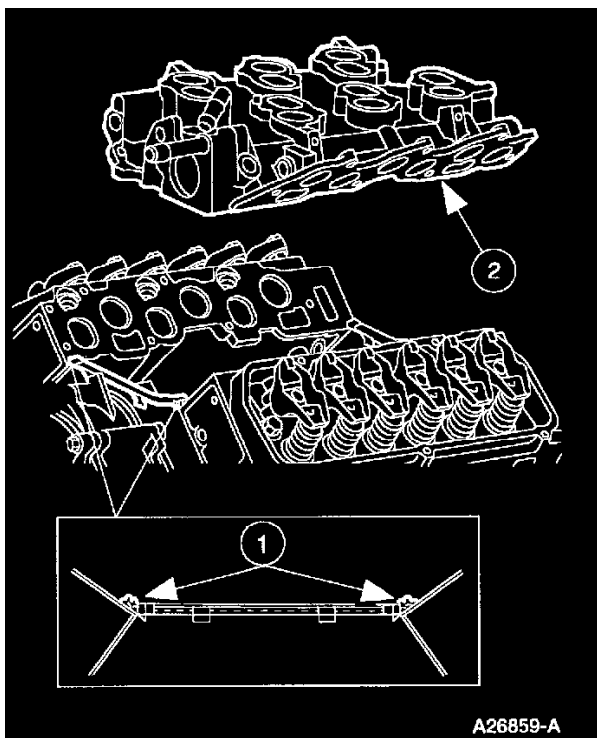
- 1 Apply a bead of sealant to the intake manifold front and rear end seal mounting points as indicated.

- \* Use Silicone Gasket and Sealant F6AZ-19562-AA or equivalent meeting Ford specification WSE-M4G323-A6.

- 2 Install the lower intake manifold front and rear end seals.



2. Install the intake manifold gaskets.

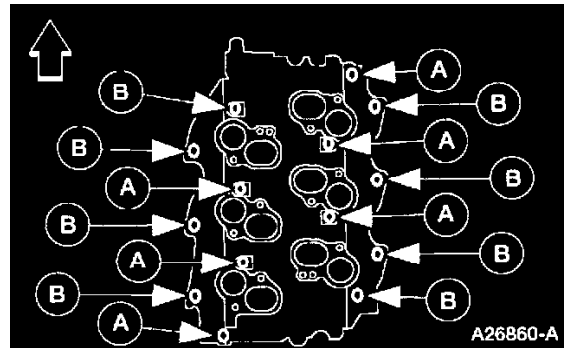


3. Position the lower intake manifold.

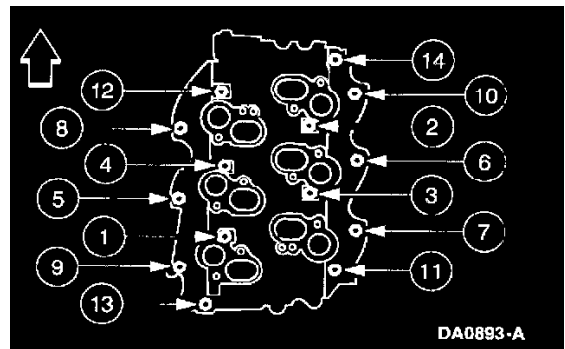
- 1 Apply a bead of sealant to the lower intake manifold mounting at the points indicated.
  - Use Silicone Gasket and Sealant F6AZ-19562-AA or equivalent meeting Ford specification WSE-M4G323-A6.

2 Position the lower intake manifold.

**NOTE:** The lower intake manifold must be installed within fifteen minutes of applying sealant.

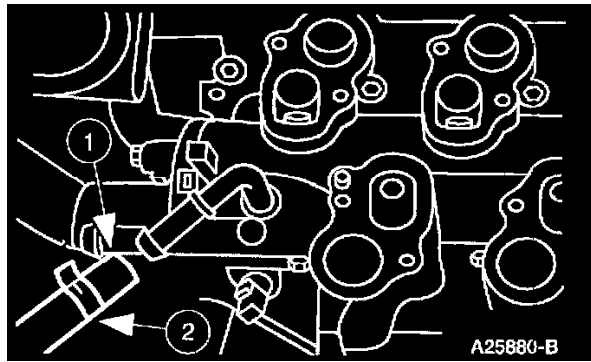


4. Install the six (A) long bolts and the eight (B) short bolts.



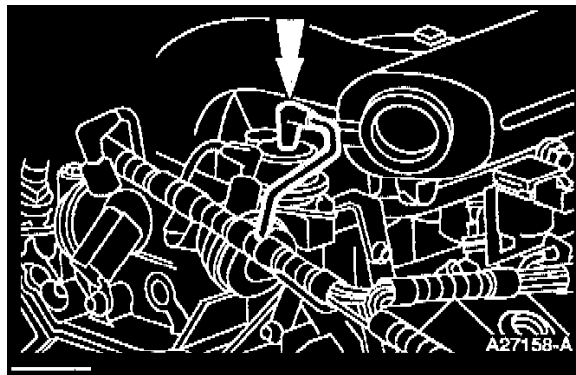
5. Tighten the bolts in two stages in the sequence shown:

- Stage 1: **5 Nm (44 lbs. inch.)**
- Stage 2: **8-11.5 Nm (71-101 lbs. inch)**

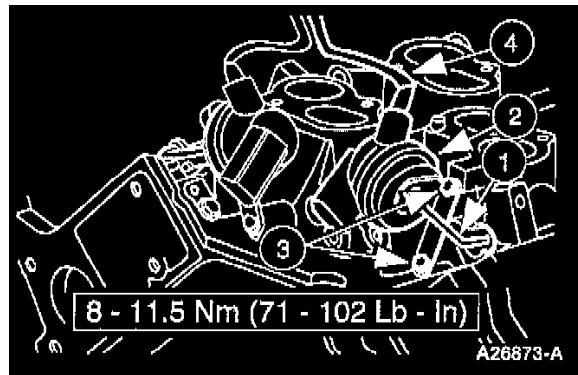


6. Connect the water bypass hose.
  - 1 Position the water bypass hose.
  - 2 Position the hose clamp.

7. Connect the fuel lines.



8. Connect the fuel pressure regulator vacuum line.



9. Install the IMRC motors.
  - 1 Install new linkage retainer clips and connect the linkages.
  - 2 Position the brackets.
  - 3 Install the bolts on each bracket.
  - 4 Connect the vacuum hoses.

10. Install the upper radiator hose to the lower intake manifold.



11. Connect the EGR valve vacuum hose.



12. Install the EGR valve tube upper fitting.
13. Connect the electrical harness.
14. Install the upper intake manifold.