

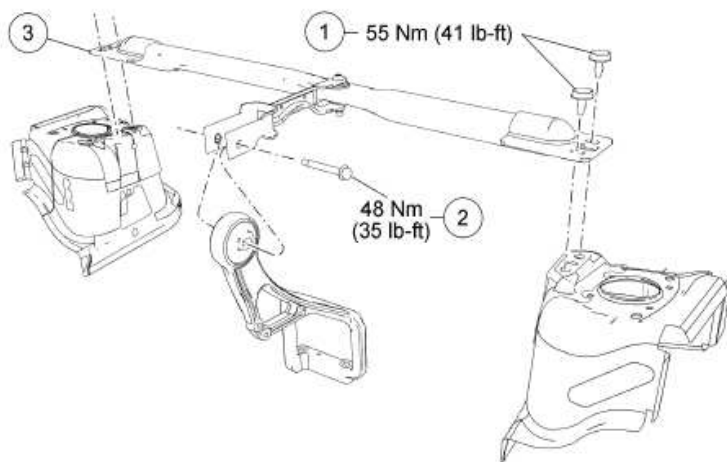
2006 Ford Five Hundred SE

2006 ENGINE Engine - Five Hundred, Freestyle & Montego

UPPER INTAKE MANIFOLD

MATERIAL

Item	Specification
Threadlock and Sealer TA-25	WSK-M2G351-A5



N0017262

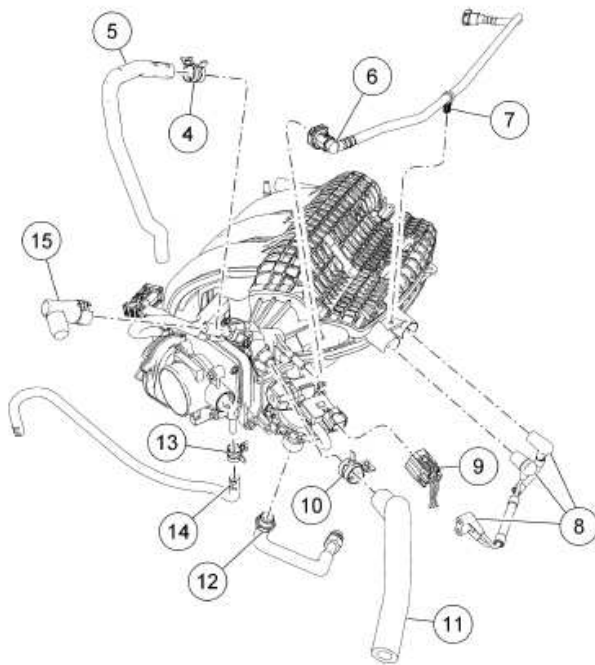
Item	Part Number	Description
1	W705985	Transaxle roll restrictor cross brace bolts (4 required)
2	W506525	Transaxle roll restrictor bolt

Item	Part Number	Description
3	6G053	Transaxle roll restrictor cross brace

Fig. 1: Identifying Upper Intake Manifold Components (1 Of 3) (With Torque Specifications)
Courtesy of FORD MOTOR CO.

2006 Ford Five Hundred SE

2006 ENGINE Engine - Five Hundred, Freestyle & Montego



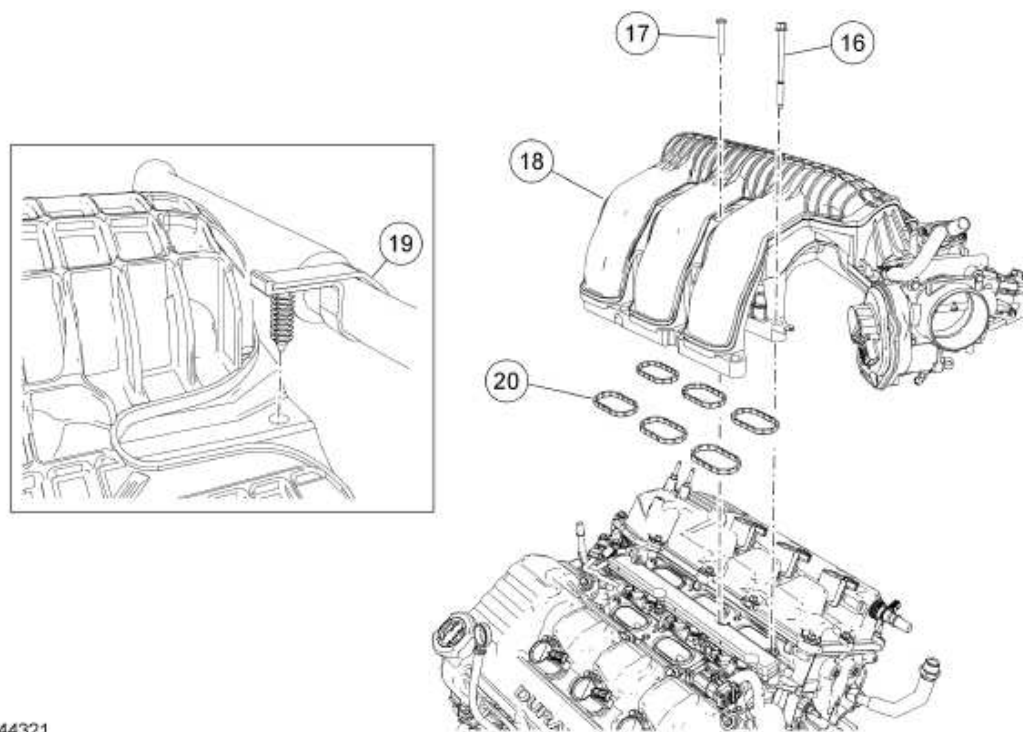
N0003263

Item	Part Number	Description
4	8287	Positive crankcase ventilation (PCV) coolant hose clamp
5	18663	PCV coolant hose (2 required for late build)
6	9G271	Evaporative emissions (EVAP) canister purge valve tube
7	—	EVAP canister purge valve tube retainer (part of 9G271)
8	9E498	Vacuum tube fittings (3 required)
9	14A464	Exhaust gas recirculation (EGR) system module electrical connector (part of 12B637)

Item	Part Number	Description
10	—	Brake booster vacuum hose clamp
11	9C482	Brake booster vacuum hose
12	—	EGR system module tube fitting (part of 9D477)
13	8287	Throttle body coolant hose clamp (early build)
14	9F814	Throttle body coolant hose (early build)
15	6K817	PCV tube

Fig. 2: Identifying Upper Intake Manifold Components (2 Of 3)

Courtesy of FORD MOTOR CO.



N0044321

Item	Part Number	Description
16	9Y450	Upper intake manifold bolt (8 required)
17	W505978	Upper intake manifold-to-lower intake manifold screw (4 required)
18	9424	Upper intake manifold
19	—	Fuel tube retainer (part of 9G700)
20	310300	Upper intake manifold gasket (6 required)

Fig. 3: Identifying Upper Intake Manifold Components (3 Of 3)

Courtesy of FORD MOTOR CO.

Removal

All vehicles

1. Drain the cooling system. For additional information, refer to **DRAINING** .
2. Disconnect the battery ground cable. For additional information, refer to **REMOVAL AND INSTALLATION** .
3. Remove the air cleaner outlet pipe. For additional information, refer to **REMOVAL AND INSTALLATION** .
4. Remove the 4 transaxle roll restrictor cross brace bolts.

5. Remove the bolt and the transaxle roll restrictor cross brace.
6. Disconnect the evaporative emissions (EVAP) canister purge valve tube from the upper intake manifold and detach the retainer.
7. Disconnect the positive crankcase ventilation (PCV), brake booster and vacuum harness tubes from the upper intake manifold.
8. Detach the fuel tube retainer from the upper intake manifold.
9. Disconnect the exhaust gas recirculation (EGR) system module electrical connector and vacuum tube.
10. Detach the vacuum tube from the upper intake manifold vacuum tube retainer.
11. Disconnect the EGR system module tube from the EGR system module.

Early build

12. Disconnect and plug the throttle body and PCV coolant hoses.

Late build

13. Disconnect and plug the 2 PCV coolant hoses.

All vehicles

14. Disconnect the throttle body electrical connector.
15. If equipped, remove and discard the 4 upper-to-lower intake manifold screws.
16. Remove the 8 bolts and the upper intake manifold.
 - Remove and discard the gaskets.

Installation**All vehicles**

NOTE: Clean and inspect all sealing surfaces. Install new gaskets.

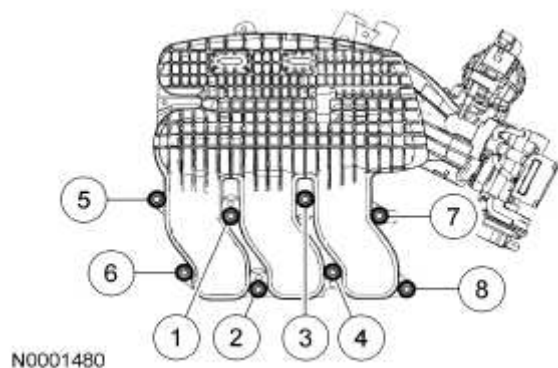


Fig. 4: Identifying Tightening Sequence Of Bolts
Courtesy of FORD MOTOR CO.

1. Position the upper intake manifold and install the 8 bolts.
 - Tighten in the sequence shown to 10 N.m (89 lb-in).
2. Connect the throttle body electrical connector.

Late build

3. Connect the 2 PCV coolant hoses.

Early build

4. Connect the throttle body and PCV coolant hoses.

All vehicle

5. Connect the EGR system module tube to the EGR system module.
 - Tighten to 40 N.m (30 lb-ft).
6. Attach the vacuum tube to the upper intake manifold vacuum tube retainer.
7. Connect the EGR system module electrical connector and vacuum tube.
8. Attach the fuel tube retainer to the upper intake manifold.
9. Connect the PCV, brake booster and vacuum harness tubes to the upper intake manifold.
10. Connect the EVAP canister purge valve tube to the upper intake manifold and attach the retainer.
11. Clean the 4 transaxle roll restrictor cross brace bolts using a wire brush and apply new threadlock to the threads.
12. Position the transaxle roll restrictor cross brace and install the 4 new bolts.
 - Tighten to 55 N.m (41 lb-ft).
13. Clean the transaxle roll restrictor cross brace-to-roll restrictor bolt using a wire brush and apply new threadlock to the threads.
14. Install a new transaxle roll restrictor cross brace-to-roll restrictor bolt.
 - Tighten to 48 N.m (35 lb-ft).
15. Install the air cleaner outlet pipe. For additional information, refer to [REMOVAL AND INSTALLATION](#) .
16. Connect the battery ground cable. For additional information, refer to [REMOVAL AND INSTALLATION](#) .
17. Fill and bleed the cooling system.