

Enginetech Inc
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TECHNICAL BULLETIN	
	January 2002
	TB 1950
Mfg:	GM
Model:	PONTIAC
Liter:	3.8L
V I N:	K
Year:	95-06

Intake Manifold Removal & Installation Caution For
1995-2001 GM 3.8L VIN K Engines

The AERA Technical Committee offers the following cautions regarding intake manifold removal and installation for 1995-2001 GM 3.8L VIN K engines. This engine uses an upper and lower intake manifold assembly. It is necessary to remove the upper intake manifold to service the lower intake, as two mounting bolts are located under the upper manifold.

Those two bolts are located in the right front and left rear corners of the lower intake manifold and illustrated below in Figure 1 with numbers 5 and 7. Attempting to remove the two manifolds as an assembly will fracture the mounting location of lower unit.

Figure 1. Lower Manifold Torque Sequence

The caution expressed for installing the lower intake manifold is to make sure and use a locking compound on the bolt threads and to adhere to the minimal torque value used.

1. Clean the cylinder block, heads and the intake manifold sealing surface of all oil with a suitable solvent.
2. Clean the intake manifold bolts and bolt holes of adhesive compound.
3. Apply GM P/N 12345493 approved thread locking compound to the intake manifold bolt threads before assembly.
4. Tighten the mounting bolts in sequence to 11 ft/lbs (15 Nm).

Figure 2. Upper Intake Manifold Torque Sequence.

The upper intake manifold also requires only a minimal torque value of 89 Inch/lbs (10 Nm). Be sure to follow the sequence shown in Figure 2 while tightening each

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bolt.

NOTE: Lower Intake manifolds used from 1995-98 originally used lower intake manifold Part # 24505728. That manifold should be replaced with the improved manifold Part #24508923 when degrading is observed in the composite material around the EGR stove pipe as shown by the arrow in Figure 3. Replacement of the upper intake with Part #17113136 is also necessary when the improved manifold is used

Figure 3. Possible Degrading of Composite Material

The AERA Technical Committee

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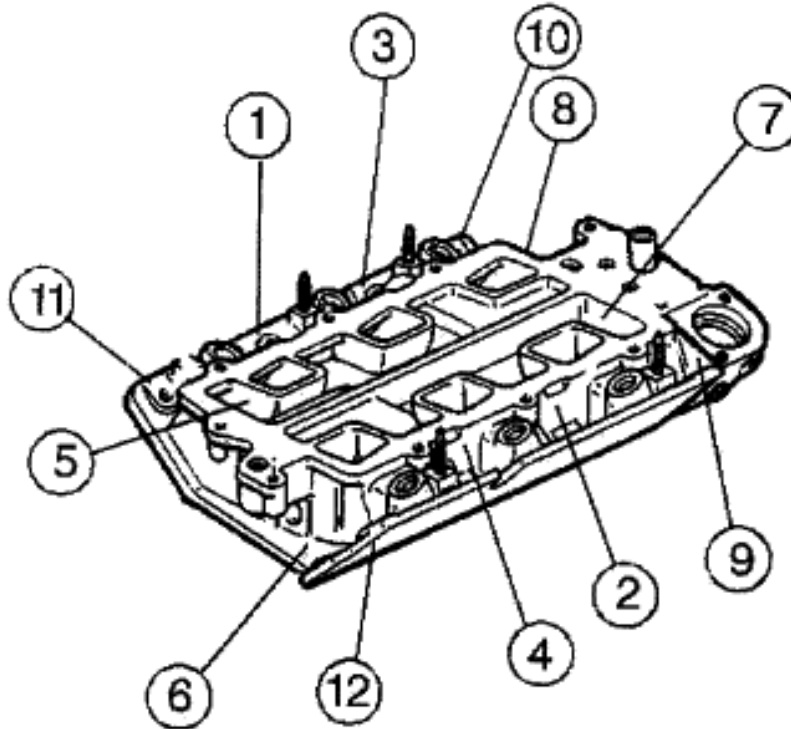
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Bulletin Diagram: FIGURE 1, LOWER MANIFOLD TORQUE SEQUENCE - MANIFOLD



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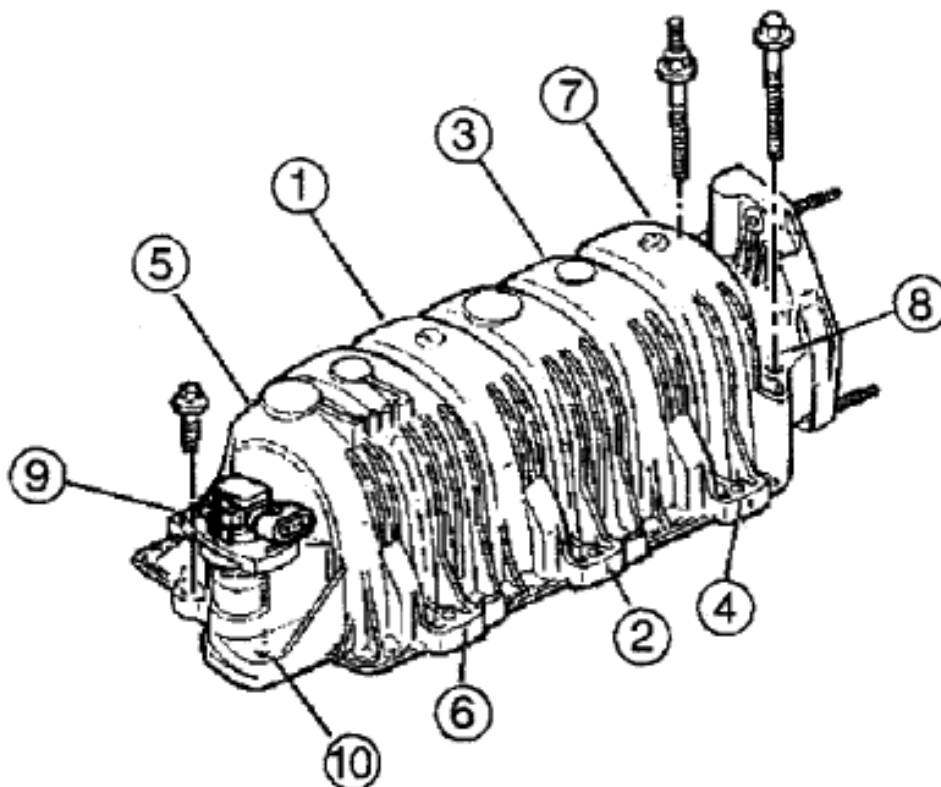


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Bulletin Diagram: FIGURE 2, UPPER MANIFOLD TORQUE SEQUENCE - MANIFOLD



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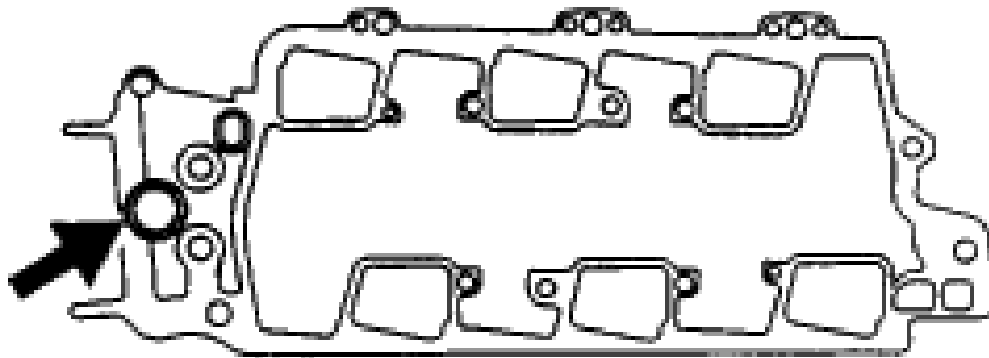


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Bulletin Diagram: FIGURE 3, POSSIBLE DEGRADING OF COMPOSITE MATERIAL - MANIFOLD



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