

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	February 2001 TB 1863
Mfg:	GM
Model:	NORTHSTAR
Liter:	4.6L
V I N:	9
Year:	93-08

Intake Manifold Cleaning Caution For
1995-2001 GM 4.0 & 4.6L VIN C, Y & 9 Engines

The AERA Technical Committee offers the following caution concerning intake manifold cleaning for 1995-2001 GM 4.0 & 4.6L VIN C, Y & 9 engines. This caution is expressed for engines with previous internal engine damage where foreign material has entered a combustion chamber.

For example, during engine failure broken pieces of valves, pistons, piston rings, valve seats or valve guides may migrate into the internal passages of the intake manifold. Due to the complexity of the intake runners and plenum configuration of this manifold, absolute cleaning is nearly impossible to verify. Re-installation of an intake manifold with any amount of debris may result in its' later ingestion into the repaired or replacement engine.

It is the recommendation of AERA and GM to replace the intake manifolds on engines that have evidence of debris in a combustion chamber that has caused subsequent engine failure.

Rebuilders Note: Currently, connecting rod bearings for these engines are available only in a standard size, which limits the rebuilders options while servicing the crankshaft.

The AERA Technical Committee

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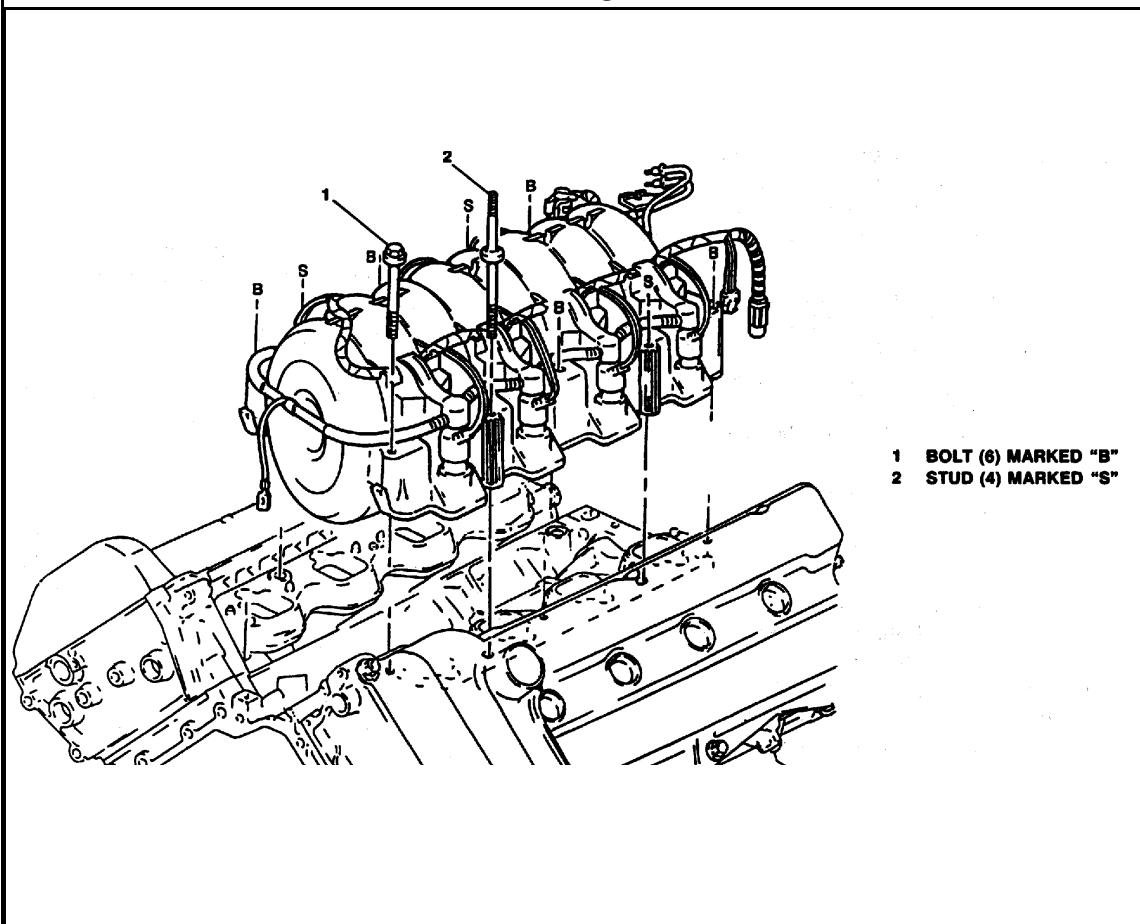


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Bulletin Diagram: FIGURE 1, INTAKE TORQUE SEQUENCE - INTAKE MANIFOLD



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