

Engine Oil or Coolant Leak For 1996-2003 GM 3.1 & 3.4L VIN J & E Engines

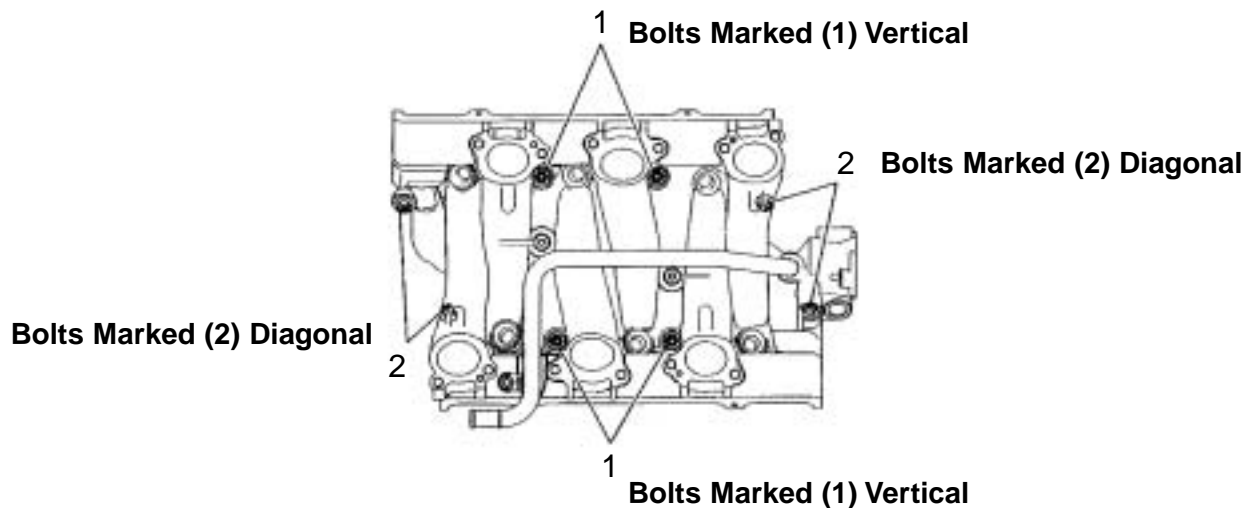
The AERA Technical Committee offers the following information regarding engine oil or coolant leaks for 1996-2003 GM 3.1 or 3.4L VIN J & E engines. The cause of this problem is related to a void in the intake manifold seal.

GM has designed a new intake manifold gasket (*Part #89017279*) to help resolve the above-mentioned condition. The material used in the revised gasket has been changed in order to improve the sealing qualities of the gasket. When replacing the gasket, the intake manifold attaching bolts must also be **renewed**. These revised bolts have a pre-applied thread locking compound. These bolts are available with Part #11588915 for the shorter bolt and Part #11588914 for the longer bolt.

Before the installation of the intake, clean all intake manifold and block surfaces of any debris and oils.

NOTICE: An oil leak may result if the vertical bolts (1) shown below are not tightened before the diagonal bolts (2). Diagonal bolts may require a crows foot tool to tighten.

1. Tighten the vertical (1) lower intake manifold bolts to 62 in/lbs. (7 N-m).
2. Tighten the diagonal (2) lower intake manifold bolts to 62 in/lbs. (7 N-m).
3. Tighten the vertical (1) lower intake manifold bolts to 115 in/lbs. (13 N-m).
4. Tighten the diagonal (2) lower intake manifold bolts to 18 ft/lbs. (25 N-m).



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