

**IN-VEHICLE SERVICE (Continued)**

13. Fill and bleed cooling system.
14. Connect battery ground cable.
15. Disconnect ignition coil wire or ignition coil wire harness. Crank engine for 15 seconds to re-establish oil to oil pump assembly and bearing surfaces.
16. Connect ignition coil wire.
17. Start engine and check for coolant, oil and exhaust leaks.

**REMOVAL AND INSTALLATION**

**Engine Assembly**

**Tools Required:**

- Engine Lifting Eyes D61L-6001-D
- Three Bar Engine Support D88L-6000-A

**Removal and Installation**

1. The engine assembly is removed out of the top without the transaxle.
2. Support the front (bellhousing) end of the transaxle with a floor jack before disconnecting the transaxle from the axle.
3. Lift the engine as outlined in the lifting points procedure.

When removing and installing the engine, refer to the following illustrations. Wherever a triangle appears, it means service that particular component, a rectangle means remove or install and a circle means disconnect or connect.

	REMOVAL	INSTALLATION
△	SERVICE	SERVICE
□	REMOVE	INSTALL
○	DISCONNECT	CONNECT

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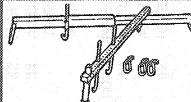

**Engine Lifting/Support Points**

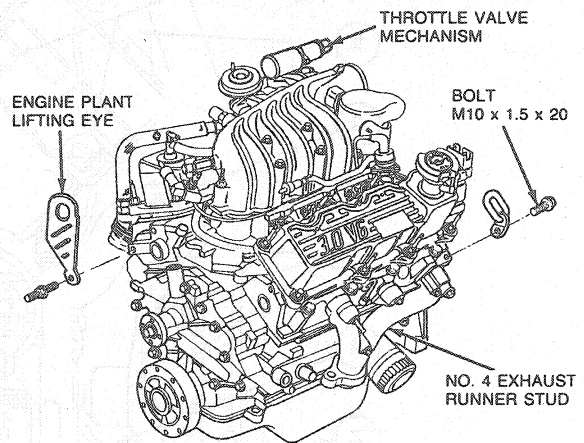
The lift points and procedures are to be used for removing the engine or supporting it during service, such as for transaxle removal. The equipment required is:

- Engine Lifting Eyes D81L-6001-D or equivalent
- Three Bar Engine Support D88L-6000-A or equivalent. An engine support bar may be fabricated from a length of 4x4 wood cut to appropriate length (approximately 1448mm (57 inch)).

Attach engine supports as follows:

1. Attach Engine Lifting Eyes D81L-6001-D or equivalent to LH rear cylinder with a bolt, M10x1.5x20.
2. The engine plant lifting eye should still be on RH front cylinder head. If not, install a second lifting bracket as in Step 1.

	D88L-6000-A	THREE BAR ENGINE SUPPORT
	D81L-6001-D	ENGINE LIFTING EYES



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If the engine is being removed, attach lifting chains from lifting brackets and lifting equipment. If the engine is to be supported during a service procedure, proceed with Step 3.

3. Place Three Bar Engine Support D88L-6000-A or equivalent across engine over each rocker arm cover and attach chains to bars and lifting brackets.

When only the two support points above are used, the engine assembly will hang slightly down at the rear (approximately 5 degrees) with the transaxle attached. With the transaxle removed, the engine assembly will hang slightly down at the front (approximately 15 degrees) because of the weight of the accessories.

To eliminate either or both of these tilts, attach supports as follows:

**CAUTION:** The support hook or chain must angle forward to the front attaching point. Damage WILL result if it runs across the throttle cable or throttle valve mechanism.