

REMOVAL AND INSTALLATION (Continued)

1. For the forward tilt, attach a chain from the LH front support bar to the stud on the No. 4 exhaust runner.

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| <p>Diagram description: LH front support bar assembly with labels for 'LH FRONT SUPPORT BAR' and 'LH FRONT SUPPORT BAR BUSHING'.</p> | <p>Diagram description: No. 4 exhaust runner assembly with labels for 'NO. 4 EXHAUST RUNNER STUD' and 'EXHAUST MANIFOLD'.</p> |



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.

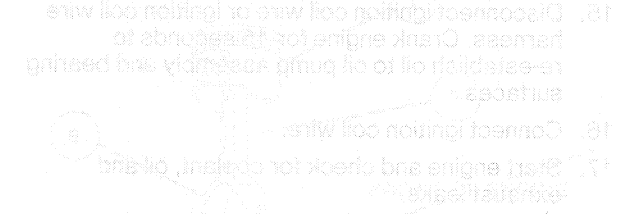
3. Place Three Bar Engine Support 089L-0000-A or equivalent across engine over each rocker stud, and attach chains to bars and lifting brackets.

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.

2. For the rearward tilt, attach a chain from the RH rear support bar to the exhaust manifold between the No. 2 and No. 3 exhaust runner.



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| <p>Diagram description: RH rear support bar assembly with labels for 'RH REAR SUPPORT BAR' and 'RH REAR SUPPORT BAR BUSHING'.</p> | <p>Diagram description: Exhaust manifold and runner assembly with labels for 'EXHAUST MANIFOLD' and 'EXHAUST RUNNER'.</p> |

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

1. The engine assembly is removed out of the top without the transaxle.
2. Support the front coil spring and the transaxle with front rockers attaching the transaxle from the back.
3. Lift the engine as outlined in the lifting procedure.

| DIAGRAM | REMOVAL    | INSTALLATION |
|---------|------------|--------------|
|         | SERVICE    | REPLACE      |
|         | REMOVE     | INSTALL      |
|         | DISCONNECT | CONNECT      |

The lift points and procedures are to be used for removing the engine if supporting it during service, such as for transaxle removal. The equipment required includes a 10-ton engine hoist, 20-ton front and rear support bars, and 20-ton front and rear support brackets.

IN-VEHICLE SERVICE (Continued)