

Fig. 4—Engine Rear Support (115.5" and 116.5" Wheelbase with 4-Speed Transmission)

tighten nut to specified torque.

(2) Install rear crossmember to frame and tighten bolts to specified torque.

ENGINE ASSEMBLY

Removal

- (1) Scribe the outline of hinge brackets on hood to assure proper adjustments when installing.
- (2) Remove hood.
- (3) Drain cooling system and remove battery.
- (4) Remove all hoses, fan shroud, disconnect oil cooler lines and remove radiator.
- (5) Disconnect fuel lines and wires attached to engine units. Remove air cleaner and carburetor.
- (6) Attach engine lifting fixture Tool C-3466 to

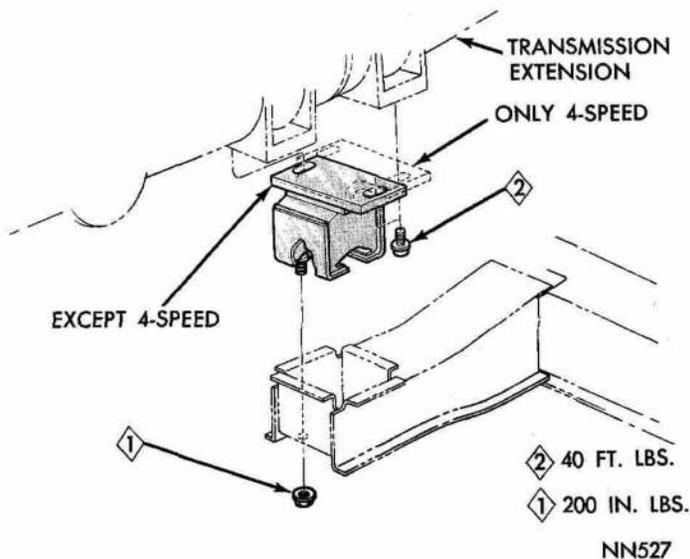


Fig. 5—Engine Rear Support (119.5" and 121.5" Wheelbase)

carburetor flange studs on intake manifold.

- (7) Raise vehicle on a hoist and install engine support fixture Tool C-3487 on the frame to support rear of engine.
- (8) Drain transmission and torque converter.
- (9) Disconnect exhaust pipes at manifolds, propeller shaft, wires, linkage, cable, and oil cooler lines at the transmission.
- (10) Remove engine rear support crossmember and remove transmission from vehicle.
- (11) Lower vehicle and attach chain hoist to fixture eyebolt.
- (12) Remove engine front mounting bolts. Raise engine with a chain hoist and work engine out of chassis.
- (13) Place engine in repair stand Tool C-3167 and adapter C-3662 for disassembly, using transmission mounting bolts.

Installation

- (1) Attach engine lifting fixture Tool C-3466 to carburetor flange studs on intake manifold.
- (2) Attach chain hoist to fixture eyebolt.
- (3) Remove engine from repair stand and lower engine carefully until engine is positioned in vehicle.
- (4) Install engine support fixture Tool C-3487 on the frame and adjust to support rear of engine.
- (5) Remove chain hoist from fixture eyebolt.
- (6) Raise vehicle on hoist, install and tighten engine front support mounting bolts.
- (7) Install transmission and engine rear support crossmember.
- (8) Lower engine into position and install engine rear support crossmember bolts. Remove engine support fixture Tool C-3487 from frame.
- (9) Connect propeller shaft, wires, linkage, cable, oil cooler lines at the transmission, connect exhaust pipes to manifold using new gaskets. Install transmission filler tube.
- (10) Lower vehicle and install radiator, fan shroud, hoses, oil cooler lines and connect all wires and linkage.
- (11) Remove engine lifting fixture Tool C-3466 from intake manifolds and install carburetor and fuel lines. Connect throttle linkage.
- (12) Install hood, using scribe marks for proper alignment.
- (13) Close all drain cocks and fill cooling system.
- (14) Fill engine crankcase and transmission. Refer to "Lubrication" Group 0 for quantities and lubricants to use and check entire system for leaks and correct as necessary.

Whenever an engine is rebuilt and a new camshaft and/or new tappets are installed, add one quart of factory recommended oil additive to engine oil to aid