

(3) Install engine support fixture C-3487, engaging the hooks in holes in frame side members. Be sure support ends are up against the underside of the oil pan flange.

(4) Remove hydro-crane lifting hooks. Raise vehicle on a hoist.

(5) Install transmission as outlined in Group 21 of this service manual.

(6) Install clutch torque shaft, linkage and adjust clutch pedal to 1 inch free play if so equipped.

(7) Install exhaust pipes to manifolds. Torque front engine mounts to specifications. Lower vehicle.

(8) Connect electrical connections to alternator, coil, temperature and oil pressure sending units, fuel line.

(9) Install carburetors, linkage, throttle cable and adjust.

(10) Install radiator, connect heater hoses, cooler lines and fill cooling system.

(11) Install hood using scribe marks for proper alignment.

(12) Install battery, fill crankcase to capacity.

Whenever an engine has been rebuilt and/or a new camshaft and/or new tappets have been installed, add one quart of Mopar Engine Supplement Part Number 1879406 or equivalent to engine oil to aid break-in. The oil mixture should be left in engine for a minimum of 500 miles and drained at next normal oil change.

(13) Start engine, adjust engine idle and timing to specifications, install air cleaner and road test vehicle.

CYLINDER HEADS

Each chrome alloy cast iron cylinder head is held in place by 13 bolts (Fig. 4) and 4 studs, nuts and washers (Fig. 5). The stud nuts are tightened from inside of the tappet chamber. Aluminum spark plug tubes (shown in cross section in Figure 6) serve as spark plug gaskets. The tubes project through the cylinder head cover and are sealed against oil leaks.

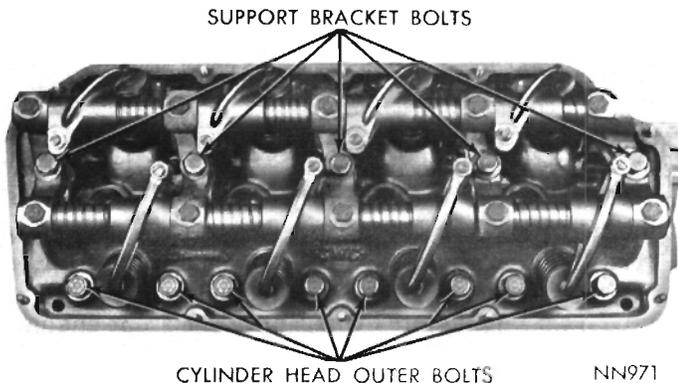


Fig. 4—Cylinder Head Attaching Bolts

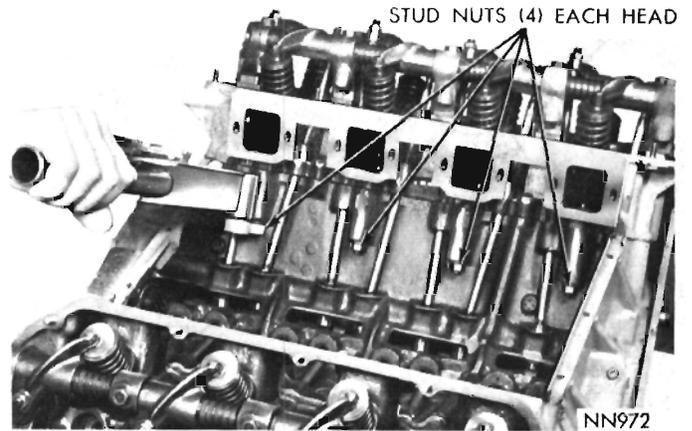


Fig. 5—Removing or Installing Cylinder Head Stud Nuts

Cylinder Head Cover Removal

(1) Drain cooling system and disconnect battery ground cable at battery.

(2) Remove air cleaner, distributor cap with spark plug cable and coil secondary cable as an assembly.

(3) Grasp secondary cables at spark plug covers and pull covers straight out.

(4) Remove spark plugs.

(5) On left bank, disconnect brake lines at master cylinder, remove cotter pin and clevis pin from linkage in back of power brake.

(6) Remove the 4 nuts attaching booster to mounting bracket and remove power brake and master cylinder assembly.

(7) Remove cylinder head covers and gaskets.

Rocker Arms and Shafts Removal

(1) With cylinder head cover removed, remove the five bolts, (3/4 inch hexagon) that attach the rocker arm support brackets to the cylinder head and block (Fig. 4).

(2) Remove rocker arm assemblies.

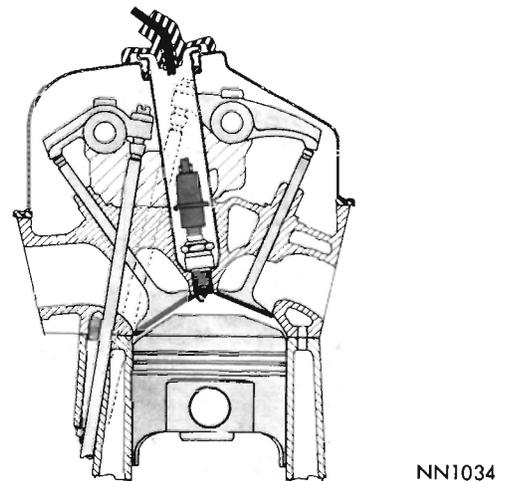


Fig. 6—Hemi-426 Engine Combustion Chamber Cross Section