



## **LS 5.3 Liter Engine Specifications**

1. Engine

- a. The LS 5.3-liter engine is permitted with the following.
  - i. 525 Camshaft
  - ii. MSD 6014 Ignition Box
  - iii. 4412 Carburetor
  - iv. Stock Rockers and Cathedral Port Heads only
  - v. Belt Driven Mechanic Fuel Pump
- b. The engine will be a steel or aluminum block, 5.3 liters, 327 cubic inches.
  - i. Aluminum blocks must add 80 pounds centered from block  $\pm$  3 inches.
  - ii. All compression rules apply.
- c. OEM crankshaft, pistons, heads, 1.7 ratio rocker arms, lifters, cam chain required.
- d. The camshaft will be the original cam or may be replaced with the CT525 camshaft only.
  - i. Camshaft specs: valve lift, intake and exhaust .525 inches at the valve.
  - ii. Duration: 226 degrees intake, 236 degrees exhaust. Camshaft lobe lift .309 maximum.
- e. The intake manifold will be the Holley 300-132 with 1-inch adapter.
- f. Holley 4412 with choke horn is permitted. Unaltered carb.
- g. Must use the MSD ignition box. Box numbers 6010 or 6012.
- h. Aftermarket parts that may be used: pan, water pump, pulleys, headers, oil filter adapter and valve spring rods.
- i. Winters crank flange adapter may be used to convert the bolt pattern to standard drive pattern.