

SECTION 03-01B Engine, 3.0L/3.2L SHO

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VEHICLE APPLICATION

Taurus with 3.0L/3.2L SHO engine.

DESCRIPTION

The 3.0L/3.2L SHO is a high performance V-6 engine with DOHC (double overhead camshafts), four valves per cylinder, and sequential multiport fuel injection (SFI). The engine has aluminum cylinder heads, 24 valves, shim set bucket tappets and a cast-iron, 60 degree V-block.

CAUTION: This engine has aluminum cylinder heads and requires a special corrosion inhibiting coolant to avoid cooling system damage. Refer to Section 03-03 for the coolant specifications.

The left and right bank intake camshafts are driven by a timing belt. Then, the intake camshafts drive the exhaust camshafts on the rear of the engine through timing chains.

The ignition system is distributorless, with a three pack coil assembly. The ignition control module (ICM) 12A297 is mounted on the upper intake connector tube. The high-energy ignition system is required for fast-burn combustion. The spark plugs are 14mm with a 0.044 inch gap and are centrally located in the combustion chambers.

A unique air intake system utilizes a secondary intake port along with a primary intake port. The secondary port is opened and closed by a vacuum-operated intake air control valve, thus improving low and mid-range torque and fuel efficiency.