



## TT00007

### Valve Seat Recession On 1994-97 Ford 7.5L VIN G Engines

Some SBI customers have reported valve seat recession on some 1994-97 Ford 7.5L VIN G engines. In most instances, this recession has been noted on engines that have had a propane fuel conversion kit installed. Ford Motor Company has never offered this engine in a vehicle for propane application.

The cylinder heads for this engine received a powdered metal valve seat insert in the exhaust locations beginning in 1994. While that change has helped reduce exhaust valve seat recession in a propane conversion, intake seats have suffered. Originally, intake valve seat locations did not receive any special hardening procedures. The higher the combustion temperature becomes, the harder a valve seat requirement is to prevent seat recession.

Some shops are routinely installing new hardened valve seat inserts at all locations when converting an engine for propane or alternative fuel applications. Doing so has greatly reduced valve seat recession on all valve locations.

Ford does not offer valve seat inserts for this engine; however, SBI has them readily available:

**SBI intake** valve seats inserts:

- **SB2062-30** (2-1/16" O.D., 1-13/16" I.D., 3/16" Depth w/1.977" valve head)
- **SB2250-1** (2-1/4" O.D., 1-15/16" I.D., 3/16" Depth w/2.083" valve head)

**SBI exhaust** valve seats inserts:

- **SB1781E-1N** (1.781" O.D., 1.476" I.D., 0.3110" Depth)
- **SB1812-21N** (1-13/16" O.D., 1-15/32" I.D., 5/16" Depth; O/S option; Use with 1-13/16" cutter)