

AVOID SEVERE ENGINE DAMAGE • ALWAYS FOLLOW MANUFACTURER'S SERVICE PROCEDURES

BE SURE:

- Copper washer is present on injector being replaced.
- Copper washer is installed on replacement injector.
- Injector is properly torqued - see service manual.
- Engine oil is clean and at the proper level.
- Fuel supply is free from water, air and contamination.
- Fuel pressure is at manufacturer's specifications.
- Injector sleeve is clean and damage-free.
- Fill top of injector w/ clean engine oil prior to rail installation.
- Oil rail ball tubes are free from nicks, burrs or other damage.
- Oil rail ball tubes are centered and properly aligned.

MISSING COPPER WASHER IMPROPER INJECTOR TORQUE



Black soot from combustion gases is evidence of missing copper washer or improperly torqued injector.

A missing copper washer or improperly torqued injector can allow hot combustion gases into the injector cavity. This will cause the lower fuel o-ring to fail allowing fuel to enter the combustion chamber. This can cause hydrostatic engine lock-up and engine failure. Furthermore, hot gases can overheat the injector's internal components causing injector failure.

HIGH PRESSURE O-RING FAILURE

Improper alignment of the oil rail ball tubes during installation can cause damage to the high pressure o-ring resulting in oil leakage.



Magnified view of o-ring damage.



Ensure ball tubes are aligned and free from damage.

THESE TYPES OF INJECTOR FAILURES ARE NOT COVERED BY GB'S LIMITED WARRANTY

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