



**IMPORTANT SERVICE
INFORMATION FOR:**

- ✓ SERVICE MANAGER
- ✓ SERVICE ADVISOR
- ✓ TECHNICIAN
- ✓ PARTS DEPARTMENT
- ✓ WARRANTY PERSONNEL

BULLETIN NUMBER:
IB12-J-005E

ISSUE DATE:
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GROUP:
ENGINE

INTAKE MANIFOLD INSPECTION/REPLACEMENT AFTER SEVERE INTERNAL ENGINE DAMAGE

AFFECTED VEHICLES

- 2020MY and Prior Isuzu N-Series
Equipped with 6.0L Gasoline Engine
- 2022MY Isuzu N-Series Equipped with 6.0L Gasoline Engine
- 2020MY - Current Isuzu N-Series Equipped with 6.6L Gasoline
Engine

This bulletin supersedes IB12-J-005D. This bulletin is being revised to update models, model years, and to provide additional content. Please discard previous bulletin IB12-J-005D.

INFORMATION

Severe Engine Damage

When replacing an engine due to internal damage, extreme care should be taken when transferring the intake manifold to the engine long block. The internal engine damage may have resulted in the potential discharge of internal engine component debris into the intake manifold via broken pistons and/or bent, broken, or missing intake valves.

After removing the intake manifold from the engine, the technician **MUST** carefully inspect all of the cylinder head intake ports to see if the valve heads are still present and not bent. Usually when the valve heads are missing or sufficiently bent, internal engine component debris will be present to varying degrees in the intake port of the cylinder head. If this debris is present in any of the cylinder head ports, the intake manifold should also be replaced.

Broken Valves, Broken Pistons, and Piston to Cylinder Head Damage

Broken Valves, Broken Pistons, and Piston to Cylinder Head damage all create material debris that scatters throughout the induction system. If you find any damage or breakage of this type, you **MUST** replace the intake manifold.

This replacement is required due to the complex inlet runner and plenum configuration of most of the intake manifolds, making thorough and complete component cleaning difficult and nearly impossible to verify the complete removal of debris. Reinstallation of an intake manifold removed from an engine with deposits of internal engine component debris may result in the ingestion of any remaining debris into the new service engine. This will cause damage or potential failure of the new service engine long block.

Transferred Components

Additionally, when replacing an engine, ALL transferred components (such as exhaust manifolds) should be inspected for debris. If there is any debris that cannot be completely removed, please discuss/review with Technical Assistance or your DSPM whether the affected component should be replaced.