

PARTS & SERVICE NEWS

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SUBJECT: Cylinder Head Gasket

PURPOSE: To introduce a new head gasket

APPLICATION: 102 Series Engines (See Parts & Service News AA97079 for Model applications)

FAILURE CODE: A13099

DESCRIPTION:**Introduction:**

This **Parts & Service News** introduces a new head gaskets for 102 Series engines. The new head gaskets were released to improved leakage for the thermostat housing area and overall reliability of the 102 Series head gasket. Details of the new head gaskets are outlined in Table 1 through Table 4.

The new gaskets are incorporating the following changes:

1. Small cut-outs in the facing material under the exhaust ports for thermal expansion.
2. Increased width of Print-O-Seal material on intake side.
3. Front water passage is filled with gasket material over core plate, front corner and exhaust side.
4. Increased width of Print-O-Seal material on exhaust side.
5. Service head gasket features localized Elastometric plugs adjacent to the bolt holes.

Table 1: Production Cylinder Head Gasket Part Numbers for (S)4D102 Engines

OLD PART NUMBERS	NEW PART NUMBERS	THICKNESS	NUMER OF NOTCHES
6732-11-1810	6732-11-1131	Standard	None
6732-11-1810	6732-11-1160	Standard	None

Table 2: Service Cylinder Head Gasket Part Numbers for (S)4D102 Engines

6732-11-1810	6732-11-1131	Standard	None
6732-18-1810	6732-19-1151	+0.25 mm	One
1240 785 H4	6732-18-1151	+0.50 mm	Two

Table 3: Production Cylinder Head Gasket Part Numbers for (S)6D102 Engines

6735-11-1811	6735-11-1821	Standard	None
6735-11-1181	6732-11-1160	Standard	None

Table 4: Service Cylinder Head Gasket Part Numbers for (S)6D102 Engines

6735-11-1811	6735-11-1821	Standard	None
6735-19-1820	6735-11-1870	+0.25 mm	One
6735-11-1830	6735-11-1840	+0.50 mm	Two

All the new gaskets feature improved facing and a Print-O-seal material to further reduce leakage. The new gaskets are dark gray with red Print-O-Seal.

The oversized gaskets can be visually identified by notches in the outside edge of the gaskets (See Figure 1 and 2). One notch for 0.25 mm gaskets and two notches for 0.50 mm. The notches are located on the exhaust side of Cylinder No. 3 on (S)4D102 engine and Cylinder No. 5 on (S)6D102 engine.

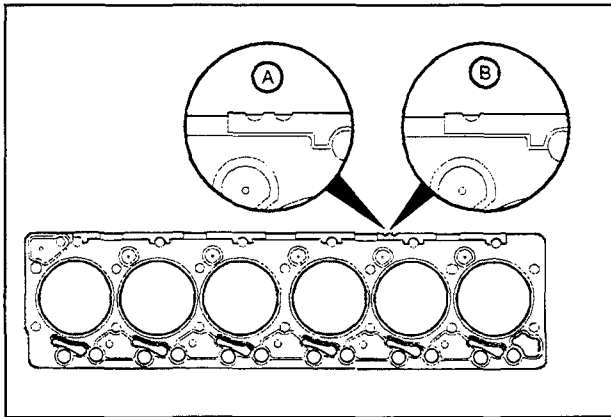


Figure 1 (S)6D102
A: 0.50 mm Oversize
B: 0.25 mm Oversize

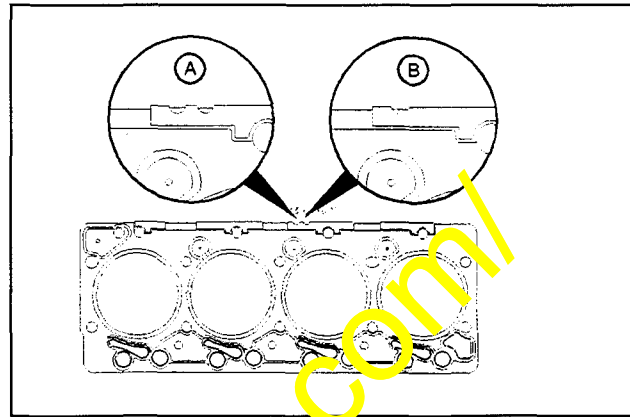


Figure 2 (S)4D102
A: 0.50 mm Oversize
B: 0.25 mm Oversize

Table 6 is the implementation schedule for production of the new cylinder head gaskets

Table 6: Production Implementation			
Engine	Old Part No.	ESN	Date
(S)6D102E-1	6735-11-1811	45246414	September 1995
(S)6D102E-1	6732-11-1150	45467768	January 1997
(S)4D102E-1	6732-11-1160	45470602	January 1997
(S)6D102E-1	6732-11-1160	21251780	January 1997
(S)4D102E-1	6732-11-1160	21251912	January 1997

NOTE: This is a product improvement and is **not** subject to campaign.

1.

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