

Service Bulletin

Fuel Systems

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Page 1 of 4

SUBJECT: FLOW DIVIDERS FOR BENDIX FUEL INJECTION SYSTEMS, INSPECTION AND MODIFICATION OF

CAUTION

The purpose of this Service Bulletin is to inform operators of Bendix Fuel Injection Systems that there may be a possibility of the Cover Gasket P/N 2537013 (refer to Figure 1, Item No. 3) interfering with flow divider operation. To preclude this possibility the following instructions should be complied with.

The flow dividers listed in 1.A of this Bulletin should be inspected to determine if Cover Gasket P N 2537013 is installed. This is a solid, red color, fluorosilicone material gasket (reference figure 1, item 3). If the solid red color gasket P/N 2537013 is installed, the provisions of this Bulletin apply.

Should the inspection reveal that Gasket P N 2523348 (black color, Neoprene material) with center hole is installed, this gasket may remain in service. The reinstallation instructions in Section 2, A.(5) with the exception of "install new Gasket P N 2538998," (6), (7), and (8) apply.

1. PLANNING INSTRUCTIONS:

A. EFFECTIVITY:

<u>Flow Divider</u>	<u>Flow Divider</u>	<u>Flow Divider</u>
<u>Parts List</u>	<u>Parts List</u>	<u>Parts List</u>
2524218-1	2524225-1	2524342-1
2524219-1	2524227-1	2524397-1
2524220-1	2524232-1	2524416-1
2524221-1	2524240-1	2524421-1
2524222-1	2524248-1	2524571-1
2524223-1	2524265-1	2524583-1
2524224-1	2524327-1	2524610-1

B. REASON: To provide a new gasket between the flow divider body and cover P/N 2523747 (figure 1, item 2).

C. DESCRIPTION: This change consists of a new gasket as used under the cover plate.

D. COMPLIANCE:

Operating Activities: The provisions of this bulletin must be complied with within the next 25 hours time in service.

Overhaul Activities: Compliance must be accomplished on all subject flow dividers listed in 1.A prior to return to service.

E. APPROVAL: None.

F. MANPOWER: Undetermined.



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SUBJECT: FLOW DIVIDERS FOR BENDIX FUEL INJECTION SYSTEMS, INSPECTION AND MODIFICATION OF

1. PLANNING INSTRUCTIONS: (Continued)

G. MATERIAL AVAILABILITY:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Availability</u>
2538998 902646K1	Gasket Screw	Bendix Product Support Centers: 7262 N. W. 54 Street Miami, Florida 33166 Telephone: 305-887-7426 1120 Howell Street North Kansas City, Missouri 64116 Telephone: 816-842-9093 317 Corey Way South San Francisco, California 94080 Telephone: 415-588-5619 130 Finn Court Farmingdale, L.I., New York 11735 Telephone: 516-293-4741
Product 84	Loctite A or C	Loctite Corporation Newington, Connecticut 06111

H. TOOLING: None.

I. WEIGHT AND BALANCE: No effect.

J. REFERENCES: None.

K. PUBLICATIONS AFFECTED: Overhaul Manual and Illustrated Parts Breakdown Flow Dividers used with the RS-RSA Fuel Injection System, Form 15-540A, 15 July 1974.

2. ACCOMPLISHMENT INSTRUCTIONS:

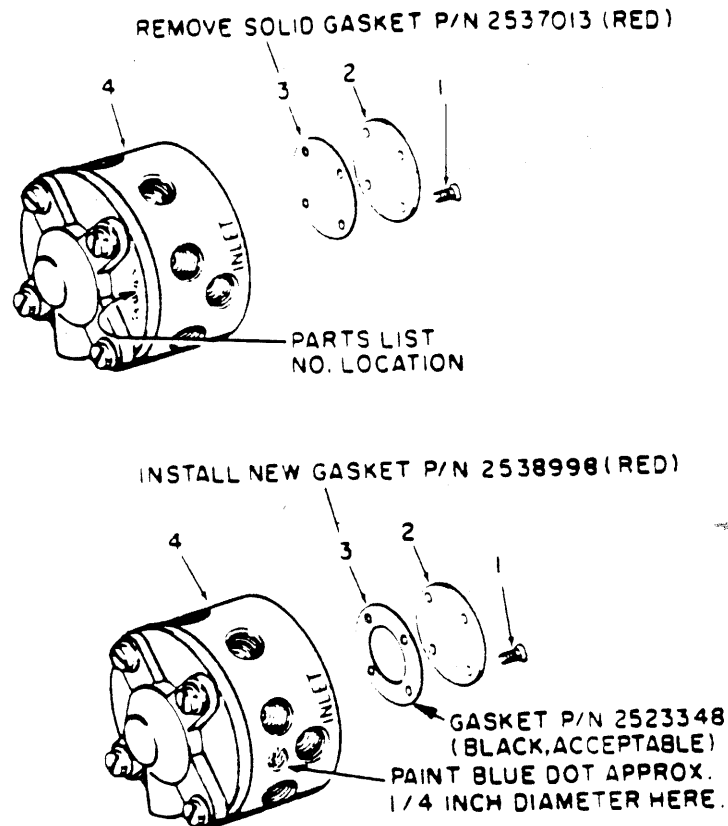
A. Operating Activities:

- (1) Gain access to the flow divider assembly.
- (2) Visually check Flow Divider Parts List Number to determine whether the provisions of this bulletin apply.
- (3) If applicable, remove all lines from the flow divider assembly. Cap and plug all open lines and fittings with suitable protective coverings. Remove flow divider from engine.
- (4) With the flow divider on a suitable work bench, remove the four Countersunk Screws P/N 902646K1, Cover Assembly P N 2523747 and Gasket P N 2537013. (Refer to Figure 1, index 1, 2, 3, and 4.)

NOTE

Screws 902646K1 have been installed with Loctite A or C and may need localized heat applied for easy removal. Use a suitable screwdriver to preclude damage to screws and/or flow divider housing.

- (5) During reassembly (refer to figure 1), install new Gasket P N 2538998, Cover P/N 2523747 and new Screws P/N 902646K1 if required. Prior to installation, apply Loctite, Grade A or C, to the first two threads of screws. Tighten screws to 8-11 pound-inches torque.
- (6) Reidentify flow divider as follows:
 - (a) Scribe a dash 2 (-2) after P/L number.

SUBJECT: FLOW DIVIDERS FOR BENDIX FUEL INJECTION SYSTEMS, INSPECTION AND MODIFICATION OF**2. ACCOMPLISHMENT INSTRUCTIONS: (Continued)**

C-3664

Figure 1.

- (b) Paint a blue dot next to flow divider inlet approximately 1/4 inch in diameter.
- (7) Reinstall flow divider on engine, remove all caps and plugs from lines and fittings and reconnect. Tighten fittings to 25-30 pound-inches torque. Use care to properly tighten fittings to prevent damage and fuel leaks.
- (8) Perform a ground operational check to insure satisfactory engine performance.

CAUTION

After shutdown, examine engine for evidence of fuel leaks.
Correct all fuel leaks prior to flight.

B. Overhaul Activities:

- (1) Prior to return to service replace solid Gasket P/N 2537013 with new Gasket P/N 2538998.
- (2) Reference: Bendix Overhaul Manual, Form 15-540A, dated 15 July 1974.
- (3) Reidentify flow divider as follows:
- (a) Scribe a dash 2 (-2) after P/L number.
- (b) Paint a blue dot next to flow divider inlet approximately 1/4 inch in diameter.

SUBJECT: FLOW DIVIDERS FOR BENDIX FUEL INJECTION SYSTEMS, INSPECTION AND MODIFICATION OF

3. MATERIAL INFORMATION:

<u>New Part Number</u>	<u>Quantity</u>	<u>Nomenclature</u>	<u>Old Part Number</u>	<u>Disposition</u>
2538998	1	Gasket	2537013	Scrap
902646K1	4	Screws	902646K1	Replace as necessary.

4. TESTING:

No effect.