



CLASS I SERVICE INSTRUCTIONS

No. 0628-281
ATA Code 28-10

19, 23, 24,

SUBJECT: FUEL SYSTEM - INSPECTION OF FUEL VENT LINES FOR POSSIBLE OBSTRUCTION

EFFECTIVITY: BEEHCRAFT Sport B19, serials MB-606 through MB-628;
Sundowner C23, serials M-1477 through M-1496 and M-1501;
Sierra B24R, serials MC-159 through MC-192, MC-195, MC-197 and MC-198.

REASON: To assure proper venting of the fuel tanks.

COMPLIANCE: Within 5 service hours after receipt of these Service Instructions.

DESCRIPTION: Fuel vent lines in the wings are to be inspected for kinks, bends or twists which could obstruct venting of the fuel tanks. Lines are to be cleared or spliced as necessary.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 1 hour.
Suggested number of men: 1 man.

MATERIAL: The following part, if required, is available through your BEEHCRAFT Parts and Service Outlet.

PART NUMBER	DESCRIPTION	QUANTITY
262P1/4	Union	2 per aircraft

Warranty credit will be allowed for parts and labor not to exceed the man-hours listed under MANPOWER on warranty claims received prior to April 1, 1974. All orders for parts should be noted as being on warranty request.

SPECIAL TOOLS: None

WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: None.

ACCOMPLISHMENT INSTRUCTIONS: This inspection is accomplished as follows on both LH and RH wings:

1. Remove the inspection plates from the lower wing surface just outboard of the fuel tank.

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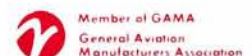
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2. With the aid of a flashlight and mirror, inspect the fuel vent line in the wing just outboard of the fuel tank for kinks, bends or twists.
 3. If no noted obstructions are observed, remove the fuel filler cap, cover the small hole in the side of the vent outlet, and blow air orally into the vent outlet to assure that air is passing through the vent line.
 4. If kinks, bends or twists are observed in the vent line, they are to be straightened, if possible, to remove any obstructions from the vent line.
 5. If the kinks, bends or twists cannot be satisfactorily removed from the vent line, the obstructed area should be cut from the line and the line spliced with a 262P1/4 union.
 6. Check the routing of the vent line for excessive tubing adjacent to the tank rib at the outboard end of the tank. If excessive tubing is found, the excess should be cut from the line and the line spliced with a 262P1/4 union.
 7. After the lines are spliced or cleared as required, repeat step 3.
 8. When it has been determined that the vent lines are clear and free of obstruction, replace the fuel caps and inspection plates and place the aircraft back in service.
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RECORD COMPLIANCE:

Upon completion of these Service Instructions, make an appropriate maintenance record entry.