

AIR CLEANER GASKET AND CARBURETOR HEAT SPACER / 1200CC MODELS

1. 1200cc motorcycle carburetors having a mid-range lean condition should be checked for proper sealing between the carburetor and air cleaner backing plate.

Remove the air cleaner cover, element and backing plate. Check backing plate flatness and straighten if necessary. Position air cleaner backing plate against carburetor and check for no gap between backing plate and carburetor, and also for correct alignment between backing plate and support bracket attached to front cylinder rocker box. Realign bracket if necessary.

Apply a bead of Gasket Eliminator, Part No. 99633-77, SPARINGLY to face of carburetor which contacts air cleaner backing plate.

Reassemble backing plate to carburetor and support bracket. Wipe off excess sealer, making sure sealer does not block the float bowl vent hole/cut-out in the air cleaner backing plate.

A gasket, part No. 29058-77 will be used in 1200cc models starting 1978 model season production. This gasket or the sealer is recommended for use on all 1976 & later carburetors. When installing gaskets on motorcycles still under warranty, use job code 3516 listed on page 1-20 of the Job Time/Code Manual.

If sealing the air cleaner to the carburetor does not produce a properly running engine on early 1977 FX models without the interconnected exhaust pipes, perform the following:

Reduce the accelerator pump stroke by turning in the adjusting screw on the accelerator pump linkage. The more the pump stroke is reduced, the less over-rich hesitation will be encountered, but the chance of rapid wide open throttle acceleration causing an over-lean hesitation at slow speed is increased. The pump screw adjustment should be done on an individual motorcycle basis, to achieve the best compromise between midrange hesitation and low speed hesitation.

If the previous steps still do not produce a satisfactory running engine, the exhaust pipes will have to be replaced with interconnected exhaust pipe, part No. 65311-77.

2. An insulating block is now available for installation on 1200cc model engines for prevention of erratic idle or spitback through the carburetor in slow moving traffic or at high ambient temperature. To prevent this, order the items listed below and install them between the intake manifold and the carburetor.

| PART NO. | DESCRIPTION | QTY. | REPLACES |
|----------|-------------------------------------|------|----------|
| 7739 | LOCKNUT, 5/16-18 x 11/32 x 1/2 hex. | 2 | 7725 |
| 5895 | INSULATING SPACER | 1 | - |
| 24820-78 | STUD, 5/16-18 & 5/16-18 | 2 | 24818-52 |
| 27077-78 | GASKET | 2 | - |

Because the insulating block repositions carburetor and air cleaner 3/8 in., also assemble 3/8 in. longer bolt, part No. 3825 and spacer, part No. 61135-57 between air cleaner backing plate and support bracket. Readjust throttle and choke cables and clamps to compensate for the 3/8 in. carburetor repositioning. Check for free movement and no interference through full throttle and choke cable travel. See paragraph 1 on other side for proper sealing between carburetor and air cleaner backing plate.

HARLEY-DAVIDSON MOTOR CO., INC.

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| ROUTING | SERVICE MANAGER | SALES MANAGER | PARTS MANAGER | CHIEF MECHANIC | MECHANIC NO. 1 | MECHANIC NO. 2 | MECHANIC NO. 3 | MECHANIC NO. 4 | RETURN THIS TO: |
| INITIAL HERE → | J.B. | | | J.B. | | | | | |