

TEXTRON Lycoming

Williamsport Plant
Textron Lycoming/Subsidiary of Textron Inc.
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SERVICE LETTER

Service Letter No. L228
April 16, 1990

SUBJECT: Cracking of Cylinder-Head Exhaust Port

MODELS AFFECTED: All field-reconditioned, parallel-valve cylinder heads.

TIME OF COMPLIANCE: At next inspection or overhaul.

Field inspections have revealed that the cylinder-head exhaust port area on some parallel-valve cylinders reconditioned in the field may be prone to cracking. The cracking is confined to the left side of the exhaust port, next to the spark plug hole (see Figure 1).

Because the cracking may be of such a fine configuration, it can be difficult to detect visually. Therefore, a dye penetrant must be used for inspection purposes. After the dye penetrant has been applied to the left side of the exhaust port, the root areas of the fins next to the spark plug hole can then be inspected for dye seepage.

Textron Lycoming advises replacement of the cylinder-head/barrel assembly, if cracking is evident.

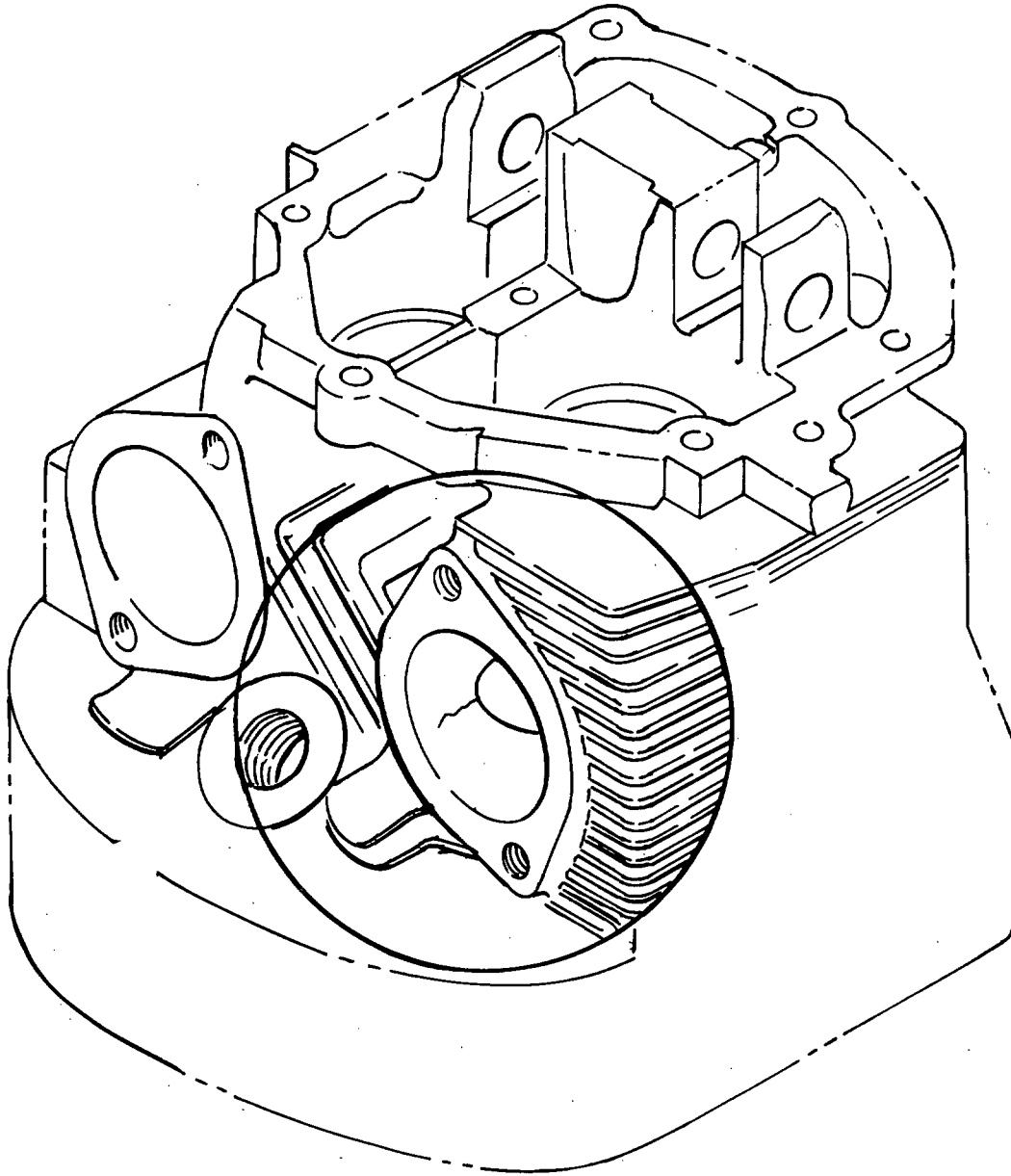


Figure 1. View of Exhaust-Port Area Prone to Cracking