

COLT 2310, 2510, AND 2712 COMPACT TRACTORS

CHAPTER 4

CYLINDER AND BREATHER

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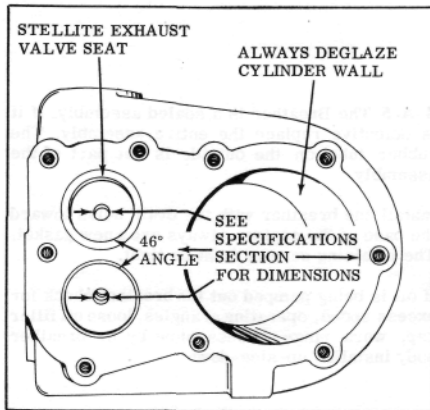


Figure 4-A-1

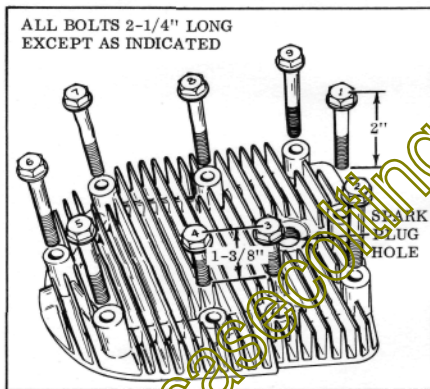


Figure 4-A-2

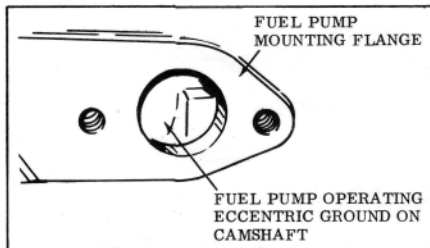


Figure 4-A-3

4-A-1 Always remove ridge and carbon buildup before attempting to remove the piston and ring assembly from the cylinder.

4-A-2 Always deglaze the cylinder when replacing the piston and rings. This must be done to allow the rings to seat.

Grind valve seats to 46° and valves to 45°. Lap valves after grinding for better sealing.

Valve guides may be oversized 1/32" if worn. See Specifications Section 10 for correct dimensions. See 6-A-1 for procedure.

4-A-3 Torque headbolts to 200-224 inch pounds or 17 to 18 foot pounds. Tighten in sequence: 1-6-4-3-2-5-8-9-7. Corresponding numbers appear in Figure 4-A-2. Note that head bolt marked 1 is 2" long. Head bolts 3 and 4 are 1-3/8" long. All other head bolts are 2-1/4" long.

Always use a new head gasket if the cylinder head has been removed.

4-A-4 Mechanical fuel pumps are mounted to the pad on the side of the cylinder. For mechanical fuel pump service see paragraph 2-B-13. Use a gasket between the fuel pump and mounting flange and the pad on the cylinder. The fuel pump is activated by the eccentric on the camshaft. See also Figure 6-B-1, Section 6, Valves and Camshafts.

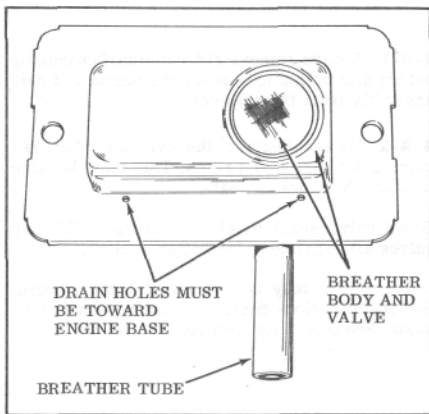


Figure 4-A-4

4-A-5 The Breather is a sealed assembly. If it is defective replace the entire assembly. The rubber tube on the outside is not part of the assembly.

Install the breather with the drain holes toward the base of the engine. Always use a new gasket. The retaining screws must be tight.

If oil is being pumped out the breather check for excess speed, operating at angles, loose oil filler cap, worn rings, excess blow by or breather body installed up-side-down.

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