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SERVICE BULLETIN #1141

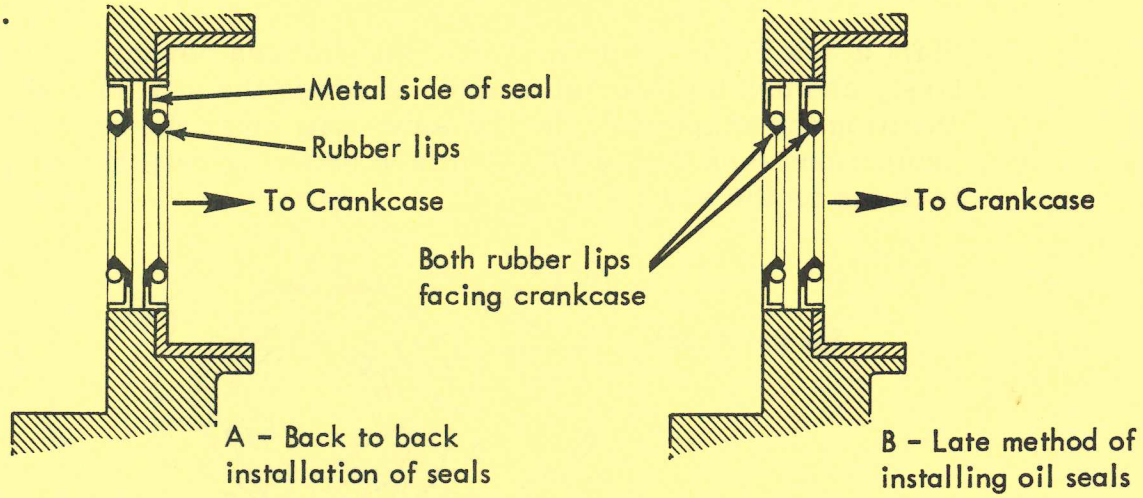
SUBJECT INSTALLATION PROCEDURES FOR CRANKCASE COVER SEALS

MODEL 1-72, 1-82, 1-85, 1-92 DATE 8/25/61

When one or both of the two seals, in the crankcase end cover, is worn, cut or otherwise damaged, either through use or improper installation, the resulting crankcase leakage will cause malfunctioning of the engine and the faulty seal must be replaced.

In early production engines the two seals were installed back-to-back. Present production engines have both seals installed facing the crankcase (see figure 1).

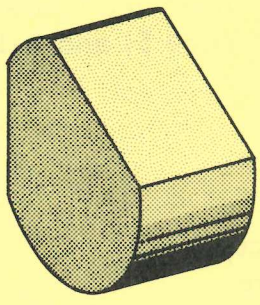
FIGURE 1



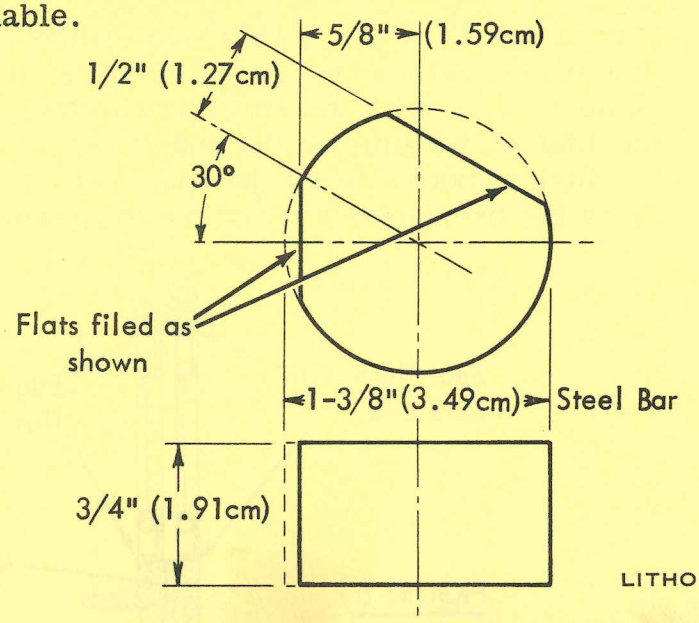
This later installation can be used on all early production engines without affecting operating characteristics of the engine.

The correct method for removing and installing the oil seals is as follows:

1. Prepare the special tools shown (figure 2) and (figure 3) if you do not have similar tools available.



SPECIAL ADAPTER
FIGURE 2



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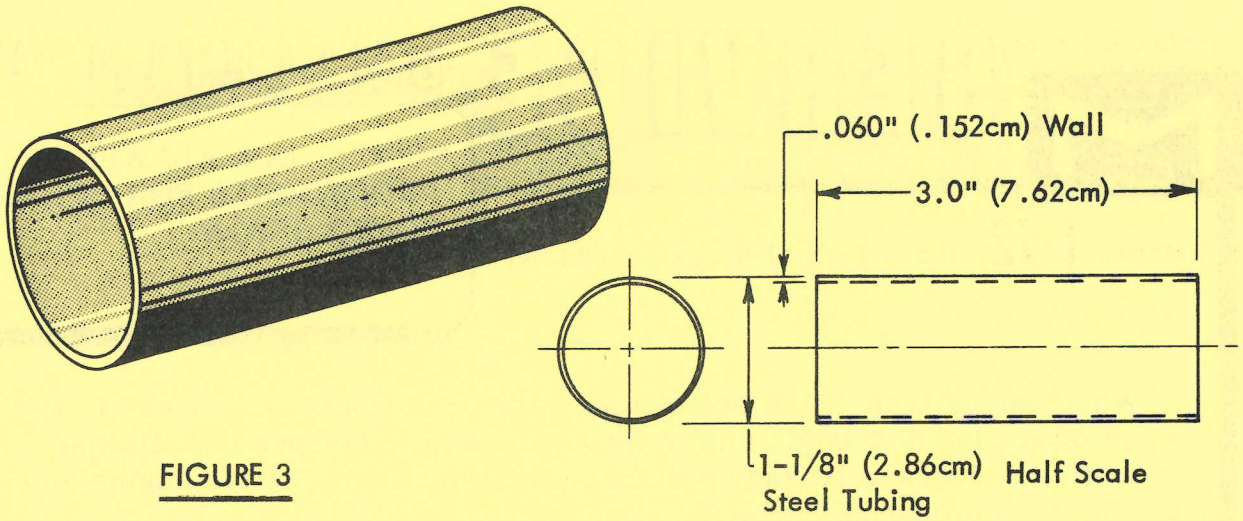


FIGURE 3

2. Place the crankcase end cover, crankcase side down, in a press and use the seal removing tool to press both oil seals out of the end cover.

3. Start a new Oil Seal, P/N 57897, into the end cover, rubber side first, and use the special adapter to press the seal into place. Position the adapter so the flat sides will clear the breaker box projections (see figure 4). Continue pressing until the adapter bottoms on the end cover.

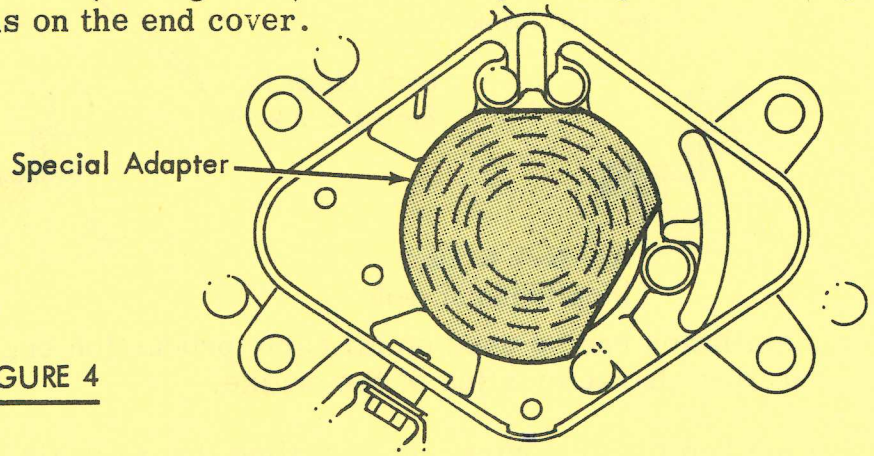


FIGURE 4

4. Turn the end cover over and support the breaker box side on a flat, solid surface.

5. Start a new Oil Seal, P/N 57898, rubber side up, into the crankcase side of the end cover. After the oil seal has started, replace the removing tool with the special adapter and continue pressing until the adapter bottoms on the end cover. Correctly installed seals will be flush at both ends of the end cover bore (see figure 5) and will not block the breaker box moisture drain hole.

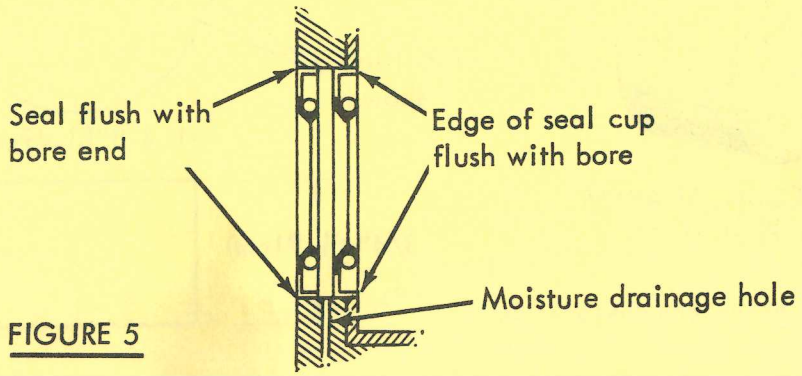


FIGURE 5