



Technical Service Information

GM 6T40 GENERATION III OFF AXIS PUMP ASSEMBLY

COMPLAINT: The 6T40 Series transmission off axis fluid pump can easily be assembled incorrectly. An exploded view or assembly instructions are hard to find.

CAUSE: The pump is considered a replacement assembly.

CORRECTION: The following photos in this bulletin will show the correct assembly of the off axis pump:

Figure 1 - All the off axis transmission fluid pump components are shown.

Figure 2 - The already assembled slide, rotor, vanes and alignment pins are shown. Notice that with the pump assembly held in the position shown, the short alignment pin goes on the left side and the long alignment pin goes on the right side.

Figure 3 - Install the pump cover plate as shown.

Figure 4 - Install a new rubber pump assembly to stator shaft support assembly gasket.

Figure 5 - Install the pump assembly onto the stator shaft support assembly using the five M6x25 bolts. Torque bolts to 10 N~m (89 lb. in.).

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Main pump components consist of the pump body containing the slide, rotor vanes, alignment pins, pump cover plate, pump to stator shaft assembly gasket & the stator shaft support assembly.

Figure 1

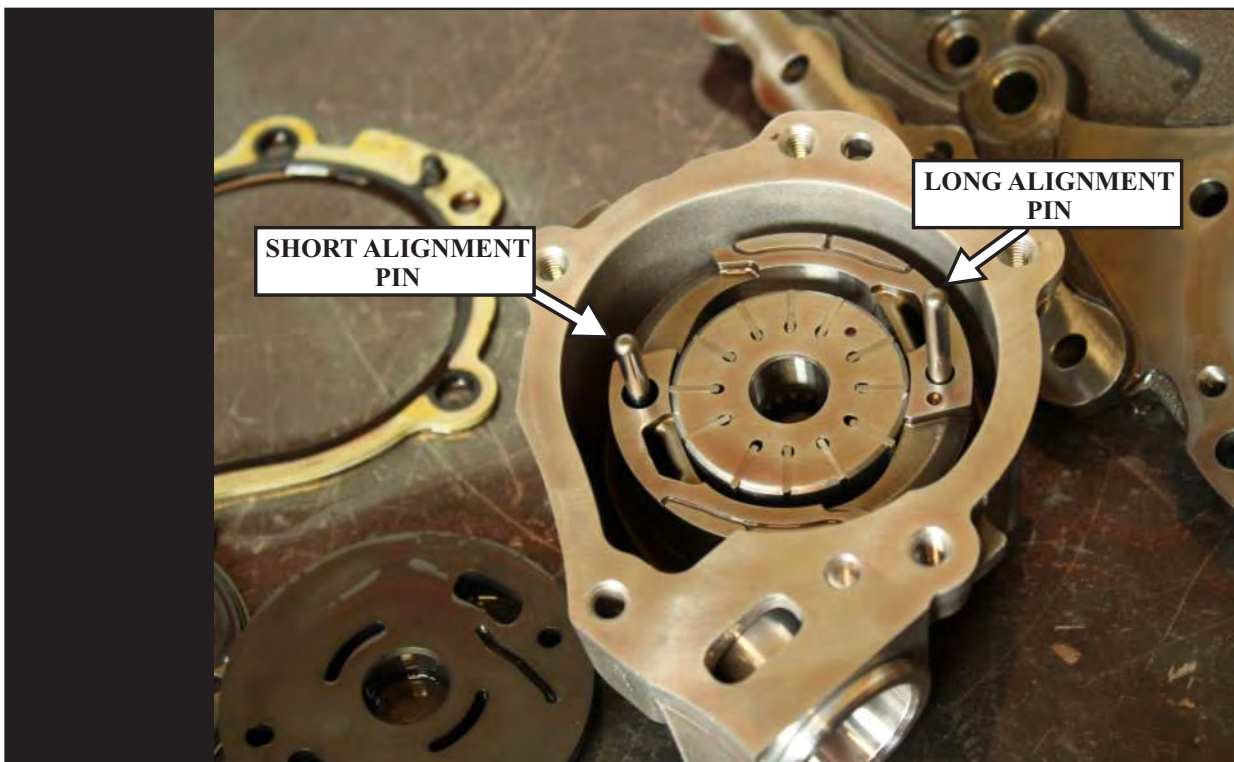


Figure 2

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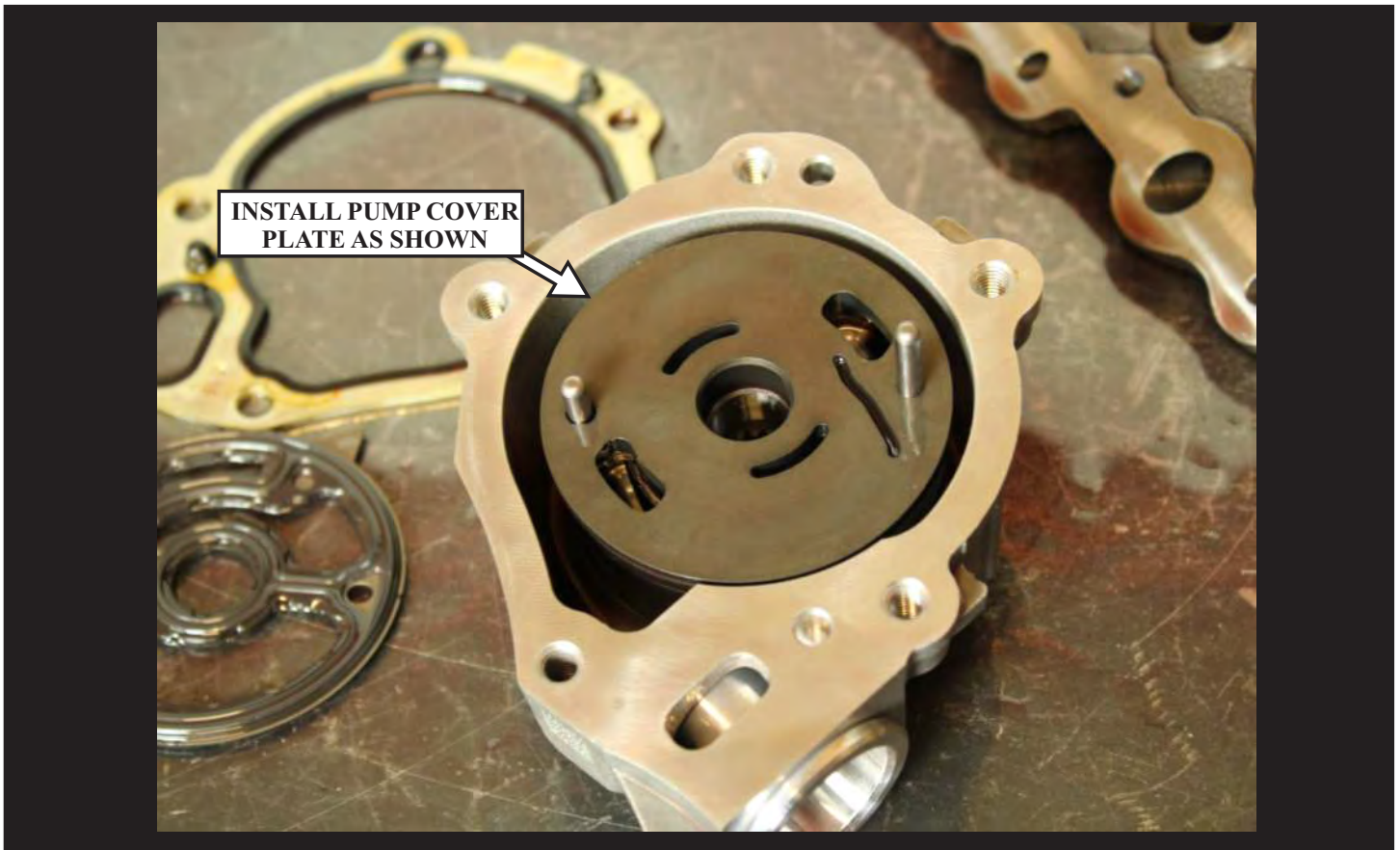


Figure 3

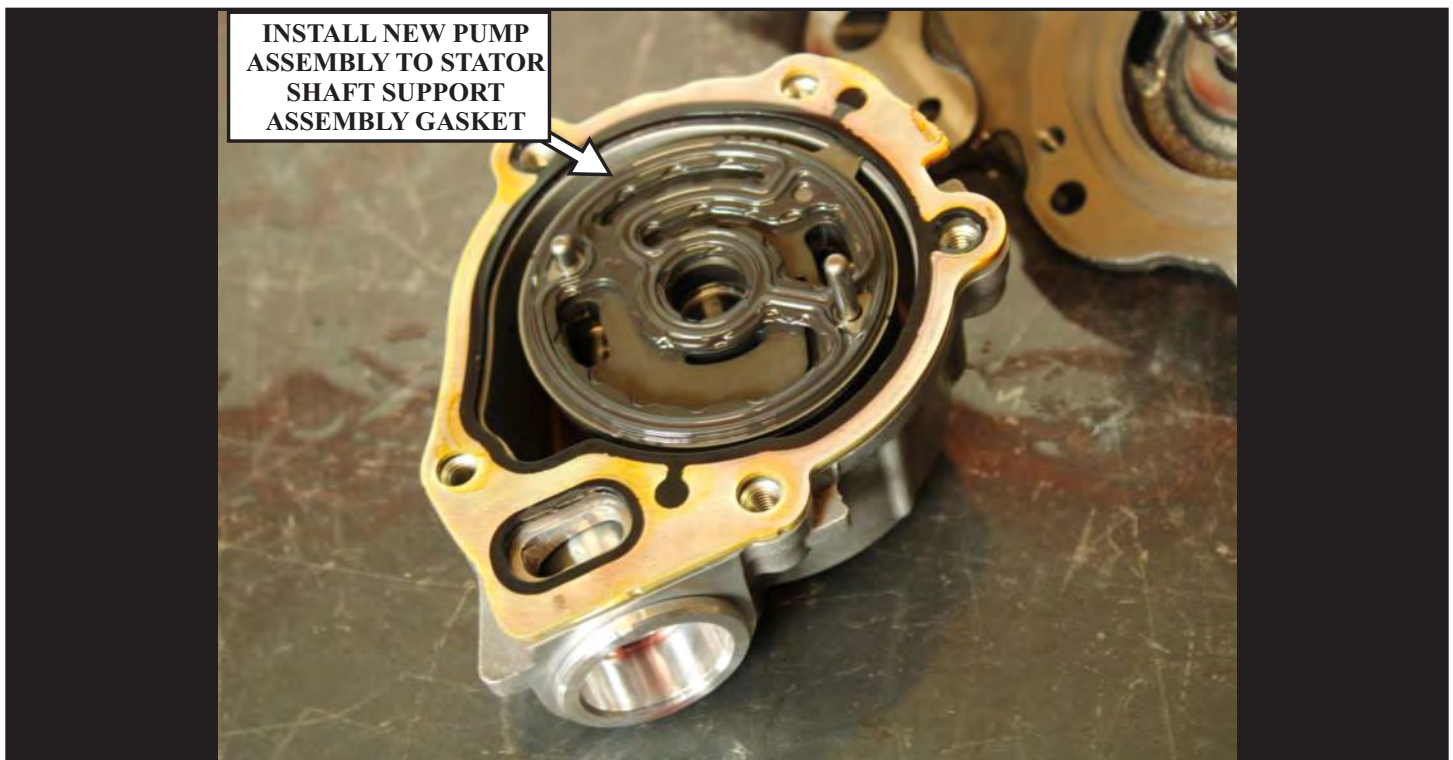


Figure 4

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Install the pump assembly onto the stator shaft support assembly using the five M6x25 bolts and torque to 10 N~m (89 lb. in.).

Figure 5