

# ATTENTION!

## SPECIAL REMOVAL/INSTALLATION TOOL REQUIRED FOR THIS WATER PUMP

### DIRECTIONS FOR REMOVAL: (Figure 1)

- Insert socket with the socket teeth placed into the water pump tabs. Keep pressure on the socket to maintain engagement between the socket teeth and the pump locking tabs.
- Rotate the socket using a 1/2" drive ratchet to turn the water pump clockwise approximately 25° to disengage the pump. The pump may now be removed from the casing assembly.

### DIRECTIONS FOR INSTALLATION: (Figure 2)

- Before proceeding with installation, replace required seals. Position the water pump in the casing by inserting the water pump's base plate retaining tab (Figure 3) into the casing at a 1 o'clock position.
- Insert the socket with the socket teeth placed into the water pump tabs.
- Turn the socket counter clockwise by hand to verify that the pump tabs are in position under the pump retaining plate locks, which are situated in the water pump casing.
- Rotate the socket using a 1/2" drive ratchet to turn the water pump counter clockwise to lock it in the water pump casing. Torque the water pump to manufacturer's specifications.

REMOVAL/INSTALLATION TOOL: GM part number J 38816-A or equivalent

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