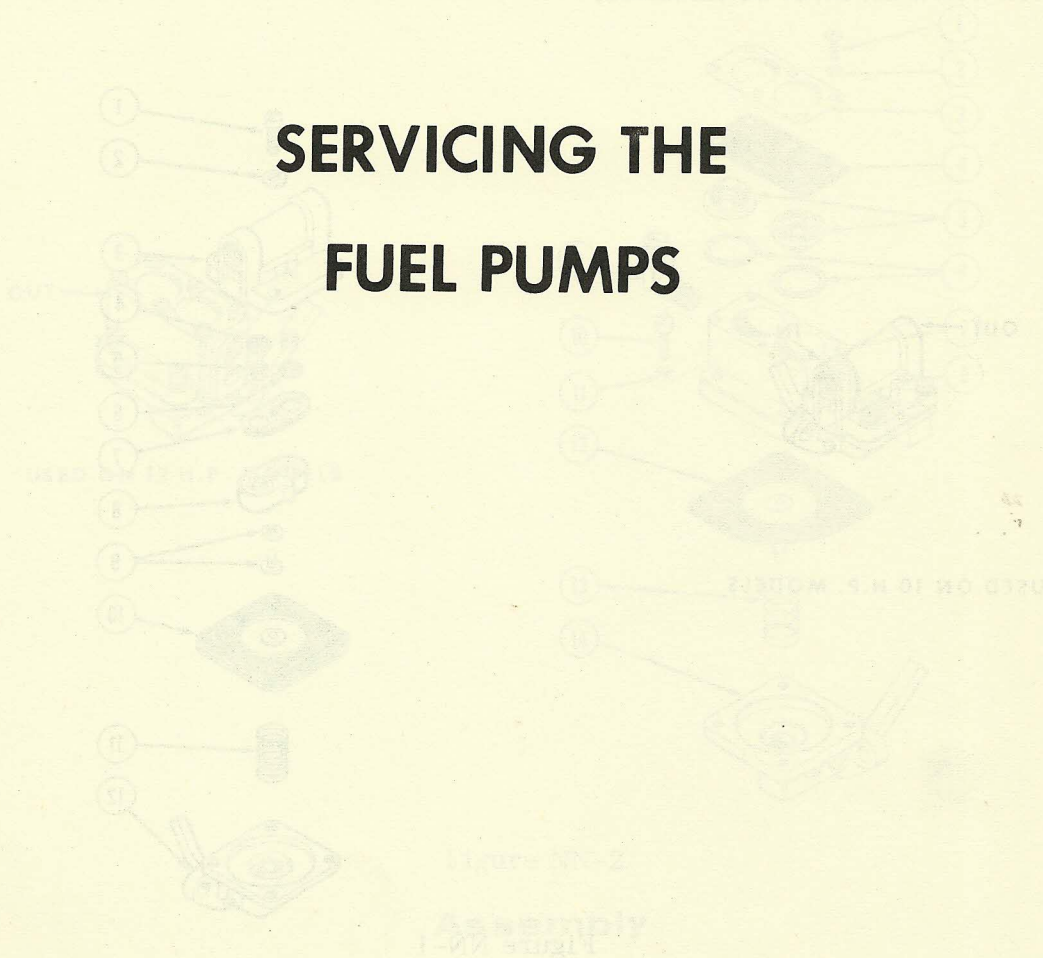


# SECTION NN

## SERVICING THE FUEL PUMPS



# FUEL PUMP

## (Refer To Figure NN-1)

### Disassembly

1. Remove the retainer screws (1), lock-washers (2) and upper body (3).
2. Remove valve retainer screw (9), valve retainer (8), gasket (7), valves (4 & 6) and valves springs (5).
3. To remove diaphragm (10) from the lower pump body (12) turn the diaphragm 90° and lift out the diaphragm (10) and spring (11).

### Inspection

With the fuel pump completely disassembled, thoroughly clean the upper and lower pump bodies in Bendix Speed Clean and check for cracks and damaged threads. When fuel pump is disassembled a new kit must be installed.

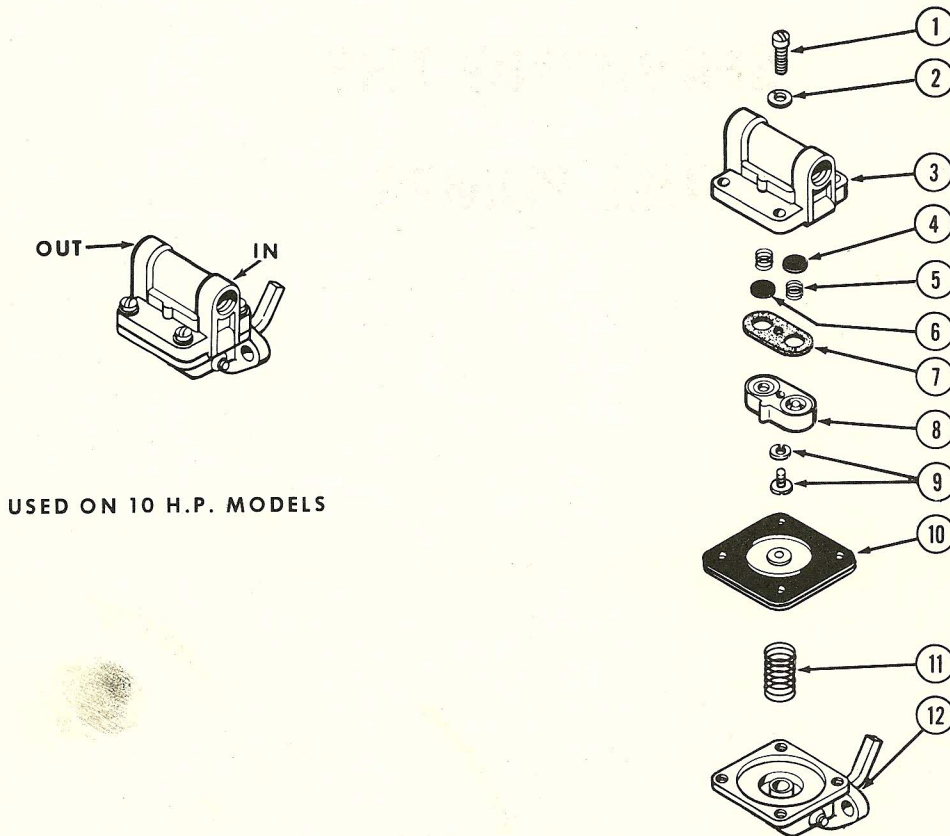


Figure NN-1

### Assembly

1. Place the diaphragm spring (11) on the lower pump body. Insert the diaphragm (10) in the lower pump body and turn 90° to lock in place.
2. Install the valves (4 & 6) springs (5) gasket (7), valve retainer (8) and secure with screw and washer.
3. Align the upper and lower pump bodies and secure with washers (2) and screws (1).



# FUEL PUMP (Refer To Figure NN-2) Disassembly

1. Remove retainer screws, (1 & 10) lockwashers (2 & 11) and top cover plate (3).
2. Lift off upper body (7).
3. Remove top cover gasket (4) and press out valve and cage assemblies (5) and valve gaskets (6).
4. Remove outlet fitting (8) and inlet fitting (9).
5. To remove diaphragm (12) from the lower pump body (14), turn the diaphragm 90° and lift out the diaphragm and spring (13).

## Inspection

With the fuel pump completely disassembled, thoroughly clean the upper and lower pump bodies in Bendix Speed Clean and check for cracks and damaged threads. When fuel pump is disassembled a new kit must be installed.

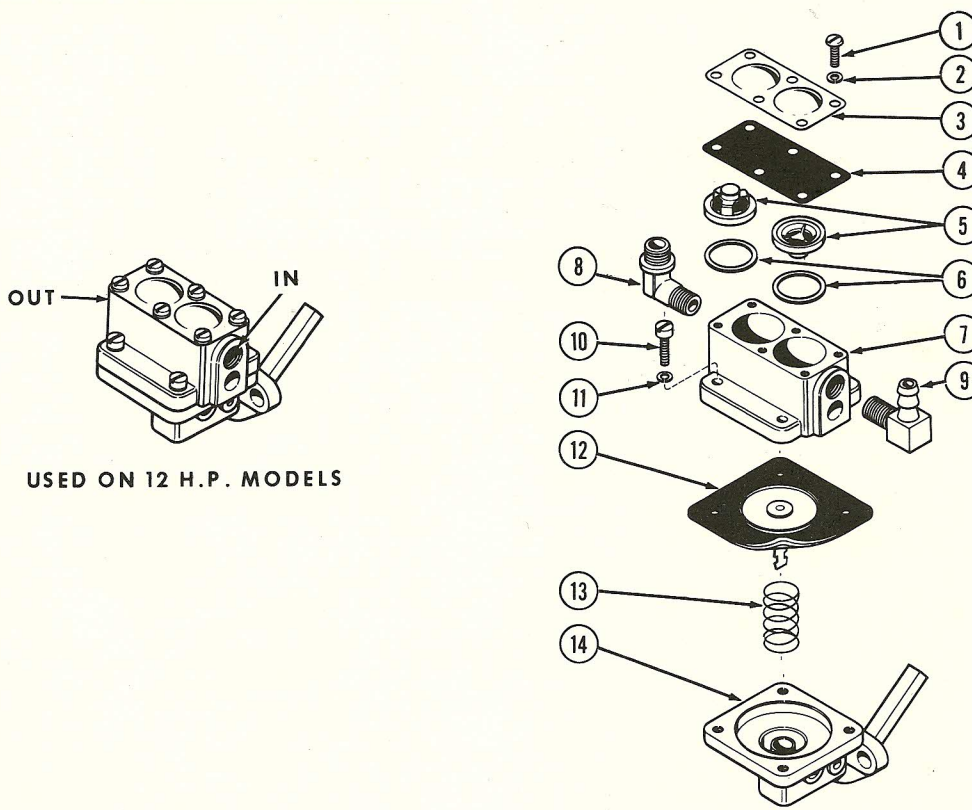


Figure NN-2

## Assembly

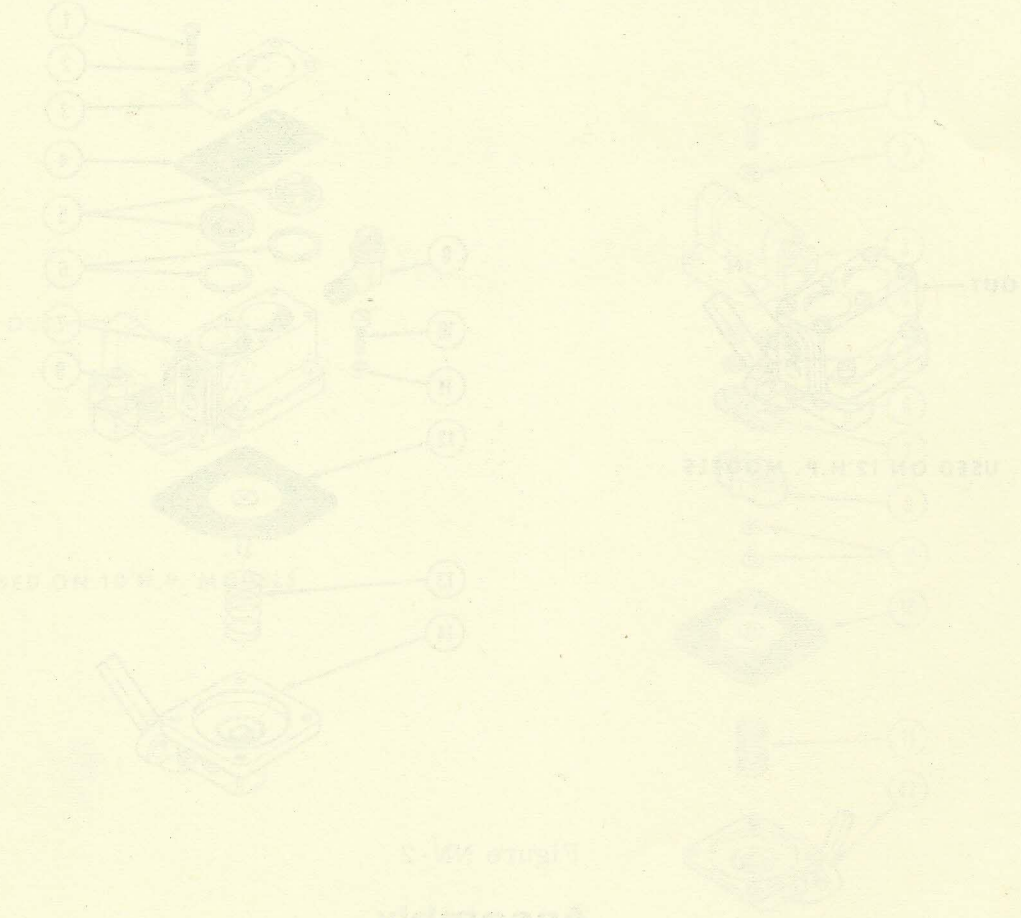
1. Place the diaphragm spring (13) on the lower pump body (14). Insert the diaphragm (12) into the lower pump body and turn 90° to lock in place.
2. Press in the valve and cage gaskets (6) and valve and cage assemblies (5).
3. Align top cover gasket (4) and top cover (3) and secure with retainer screws (1) and lockwashers (2).
4. Install outlet fitting (8) and inlet fitting (9).
5. Align upper body (7) and lower body (14) and install retainer screws (10) and lockwashers (11).

# FUEL PUMP (Refer to Figure 10-2) Disassembly

1. Remove retaining screws (1) and (2) and lift out pump body (3).
2. Remove top cover gasket (4) and valve and cage assembly (5) and valve gaskets (6).

## Assembly

With the fuel pump completely disassembled, thoroughly clean the upper and lower pump bodies in kerosene and check for cracks and damaged threads. When fuel pump is disassembled a new kit must be installed.



## Assembly

1. Place the diaphragm spring (7) on the lower pump body (10).
2. Place the lower pump body gasket (11) on the lower pump body (10).
3. Place the lower pump body screw (12) in the lower pump body (10) and lock in place.
4. Place the valve and cage assembly (5) on the lower pump body (10) and valve gaskets (6).
5. Place the top cover gasket (4) on the lower pump body (10) and valve and cage assembly (5).
6. Place the pump body (3) on the lower pump body (10) and valve and cage assembly (5).
7. Place the retaining screws (1) and (2) on the pump body (3) and lock in place.

**NOTE:** The J. I. Case Company reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.