

ABSTRACT

Most of the HOMA three phase motors are dual voltage design and may be converted in the field by reconnecting the terminal board jumpers as shown below. Inspect the name tag to verify the stator is dual voltage. It will be noted as 230/460.

This work must be done by qualified personnel. All safety precautions must be taken to ensure the pump motor is locked out prior to performing any work. It is important the work area is clean and dry to avoid contaminants from entering the motor.

PROCEDURE

You Will Need:

8mm Allen Wrench.
10mm Socket
O-Ring Lubrication

1. Remove pump from service. Clean and decontaminate prior to working on it
2. With pump in stable, upright position, remove capscrews as shown. (Fig. 1)
3. With the capscrews removed, lift the motor cap off of the pump. Care must be taken when lifting the motor cap up to avoid damaging the wires or terminal block. (Fig 2)
4. Support motor cover (don't let it hang by the wires), and check the position of the terminal block jumpers.



Fig. 1



Fig. 2

5. Remove the terminal block securing nuts, and move the brass jumpers to the correct location for required voltage per Fig. 4 (230V) - Fig. 5 (460V) below. Take care not to over tighten terminal nuts.
6. Lubricate O-Ring. Replace motor cover, being careful that wires are not pinched and that the O-Ring has not been damaged. Tighten the motor cap screws.
7. The pump is now ready to operate

Fig. 3

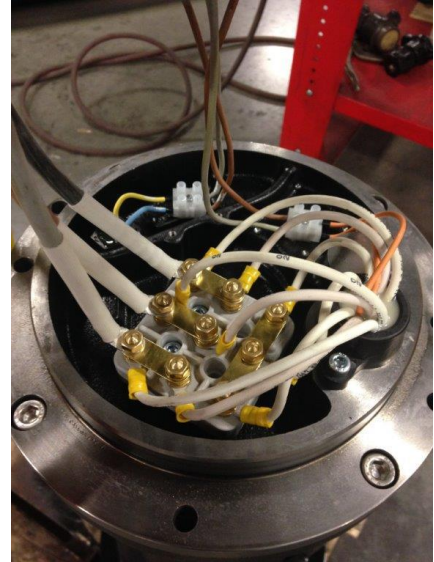


Fig. 4

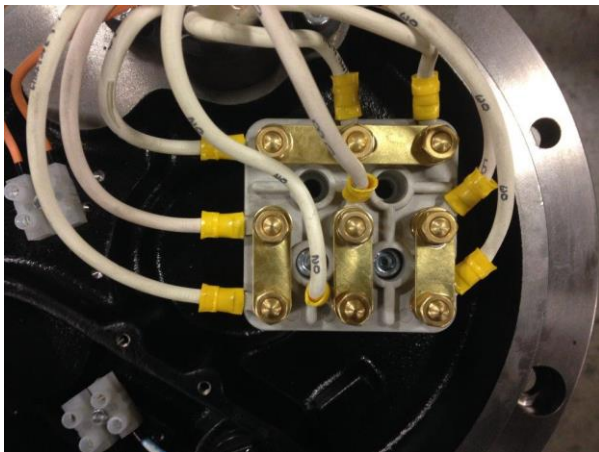
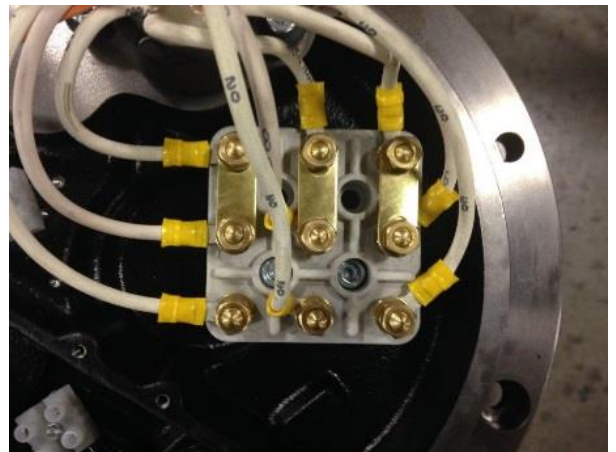
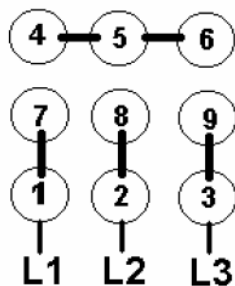


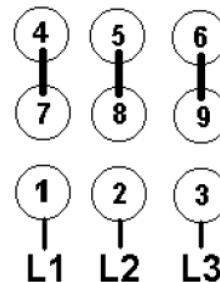
Fig. 5



230 Volt Connections



460 Volt Connections



Wire Number	1	2	3	4	5	6	7	8	9
Wire Color	Black	Yellow	Blue	Red	Green	Brown	White	Violet	Grey