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Instructions for retrofit kit KKTSMRK001: 30015 and 30022S drive motor replacement

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This kit furnishes the motor, mounting plate, bracket and hardware necessary to replace the original drive motor. Only normal hand tools are required.

WARNING 1: Electrocutation and Electrical Burn Hazards—Contact with high voltage will electrocute or burn you. Power switches on the machine and the control box do not eliminate these hazards. High voltage is present at the machine unless the main machine power disconnect is off.

- Do not service machine unless qualified and authorized.
- Lock out and tag out power at the main machine disconnect before servicing, or in accordance with factory service procedures.

WARNING 2: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not service machine unless qualified and authorized.
 - Lock out and tag out power at the main machine disconnect before servicing, or in accordance with factory service procedures.
1. Lock out and tag out power to the machine and remove rear cover.
 2. Mark the high speed and low speed motor power conduits to the electrical enclosure. Cut conduits approximately 6" (152) from the electrical enclosure.
 3. Remove drive belt, motor and motor platform (Figure 1).
 4. Remove pulley and bushing from old motor. Discard drive belt, motor and motor platform.
 5. Install new motor mount with tall side towards front of machine (Figure 2, Figure 3, and Figure 4).

Figure 1: Empty motor compartment

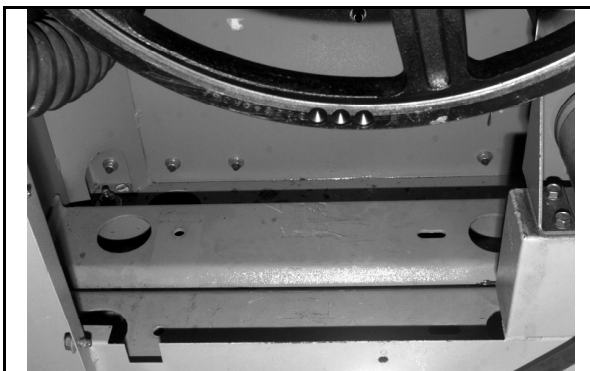


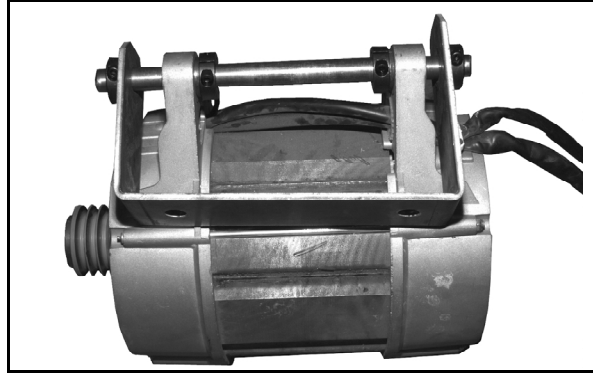
Figure 2: New motor mount bracket (install with tall side to front)



**Figure 3: Installed motor bracket
(mount tall side towards front of
machine)**



Figure 4: Correct motor mount bracket orientation



6. Carefully press bushings into the motor mounting ears. **Do not beat bushings in with a hammer.** Install shoulder side of bushings on the inside of the mounting ears (Figure 5).
7. Place motor in compartment.
8. Install motor mounting shaft through the bracket and mounting ears. Install shaft collars (Figure 5) while pushing shaft through the bracket and the mounting ears.
9. Install the old pulley and bushing on the new motor.
10. Align pulleys with straight edge (Figure 6).
11. Install new drive belt.
12. Install spring holder, spring and tensioner (Figure 7).
13. Allow tensioner to hang from spring and mark bottom tensioner bracket mounting hole position. Measure 1" (25) down (center to center) and drill a 13/32 (10) hole (Figure 7).
14. Mount tension bracket to newly drilled hole.
15. Route motor power conduits to electrical enclosure.
16. Using white caps, splice the low speed and high speed conduits to the cut wires from enclosure (Figure 8). Single phase machines require different start capacitors. See schematic WTS5TM71A and WTS5TMTRA.
17. Reinstall cover, restore power and test operation.

Figure 5: Bushing and shaft collar details

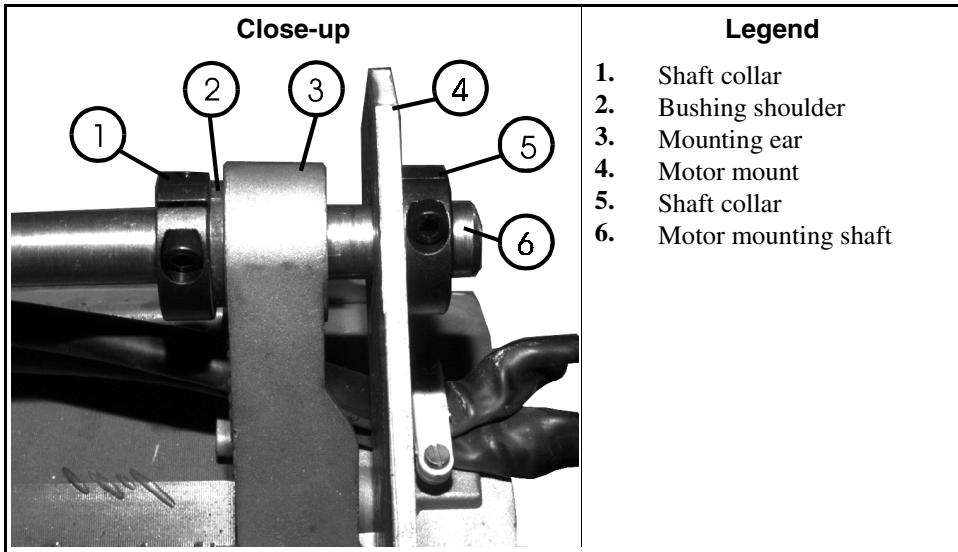


Figure 6: Aligning pulleys

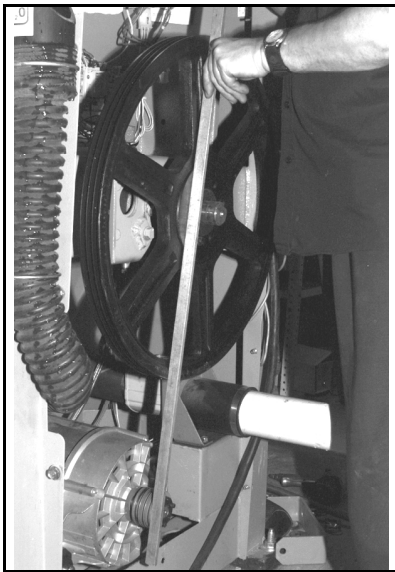


Figure 7: Spring tensioner

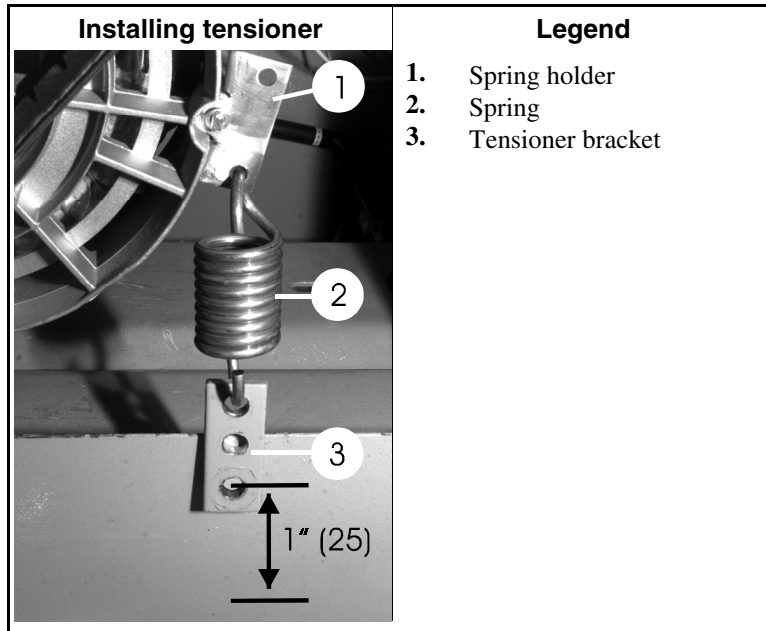


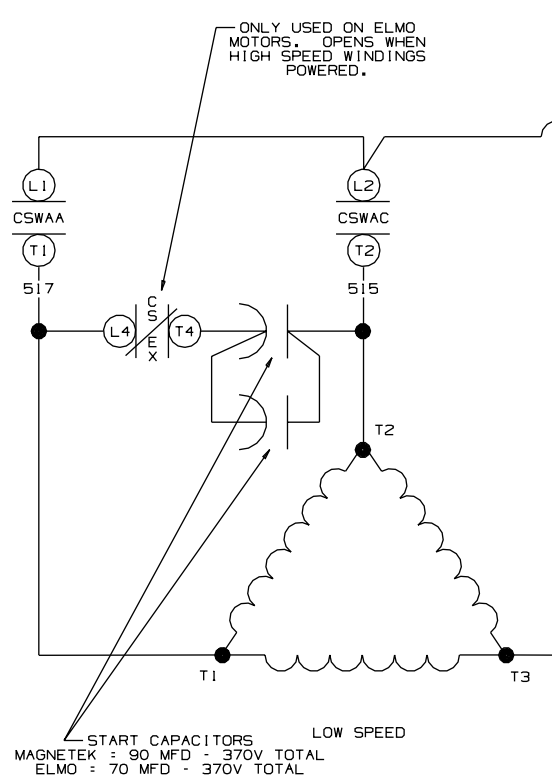
Figure 8: Install motor wiring

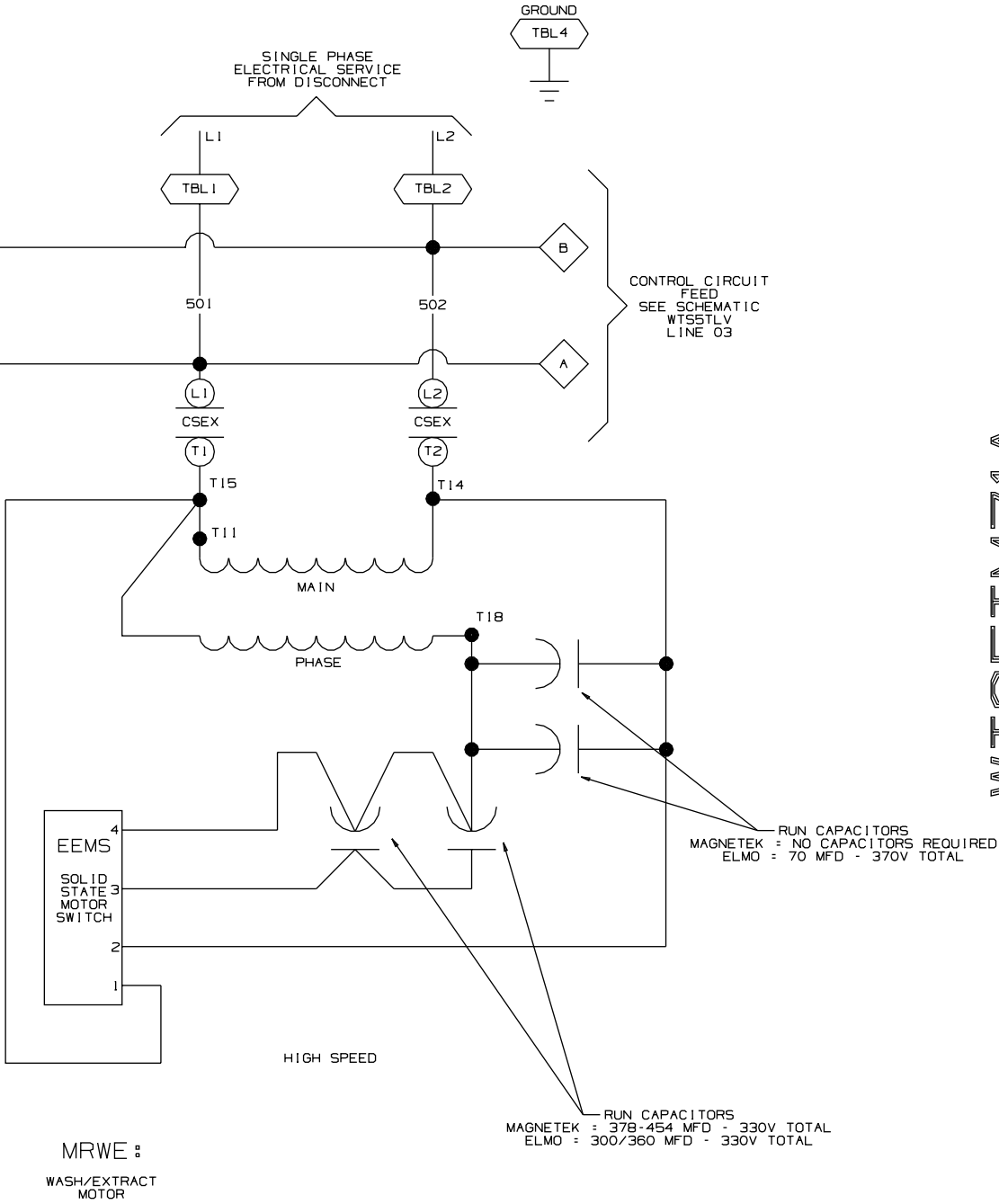


Figure 9: Finished Installation



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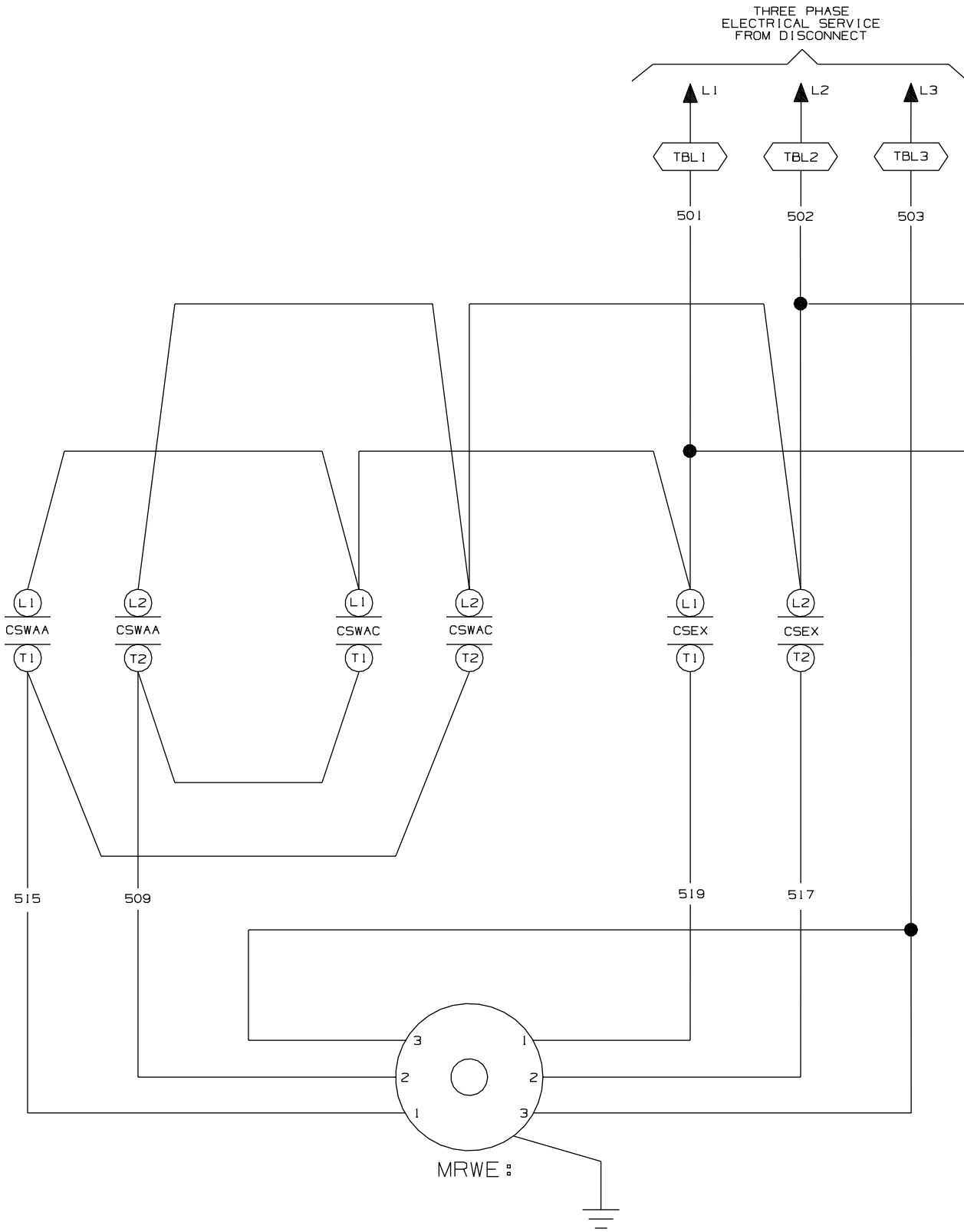


WTS5TM71A

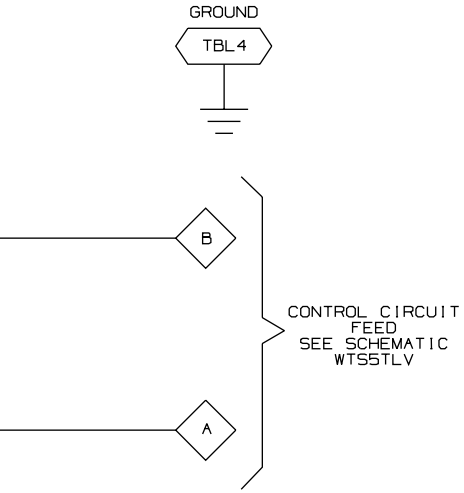
30015 S5T, 30022 S5T
SCHEMATIC: SINGLE PHASE 2 SPEED MOTOR
220V1P50HZ/240V1P60HZ

PELLERIN MILNOR CORPORATION

NOTE:
TOTAL MEANS THAT THE MFD SHOWN IS THE SUM OF THE CAPACITORS.



00 01 02 03 04 05 06 07 08 09



NOTES:

1. TBL IS LOCATED ON THE LEFT REAR OF THE MACHINE.

WTS5TMTRA
 30015 S5T, 30022 S5T
 SCHEMATIC: 3 PHASE MOTORS
 SERVICE VOLTAGE CONNECTION
 PELLERIN MILNOR CORPORATION