

INSTRUCTIONS FOR CONVERTING A SINGLE STAGE CONSTANT RUNNING COMPRESSOR TO START-STOP CONTROL WITH UNLOADING PRESSURE SWITCH

PARTS ADDED

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| (1) Check Valve #1238T (F,K) | (1) ¼ NPT Close Nipple | (1) ½ Tube Aftercooler (L)
Part AFTCL-3 |
| (1) ½ x ¾ Flare Fitting (F, K) or
¾ x ¾ Flare Fitting (L) | (2) Romex Wire Bushings | (1) ½ NPT Elbow & Nipple For
Manifold Extension (L) |
| (1) Emglo Model PCVL
Pressure Switch | (1) ½ NPT Plug | (1) 3412T Check Valve on
17 & 30 Gallon Tanks (L) |
| | (1) ¼ x ½ Tube Ell | |
| | (30 in) Romex 12-2 Wire | |

- A. Remove aftercooler discharge tube (#3) at tank inlet and insert check valve (#1) into tank inlet. (On "L" models install new aftercooler).
- B. Install ½ x ¾ flare fitting (#2) into check valve (¾ x ¾ flare on L models).
- C. Attach aftercooler to ½ x ¾ flare fitting (F or K models) ¾ x ¾ flare fitting (L models).
- D. Remove pilot valve and mount unloading pressure switch on top fitting of manifold. Relocate gage and safety valve to side outlets of manifold (#4). (Some "L" models require relocation of plumbing fittings and extending manifold beyond the motor terminal box).
- E. Remove ¼" in. copper tubing and fitting from KU80 unloading compressor head. Plug the ½ NPT tapped hole in the compressor head (#5).
- F. Use the ¼" copper tubing to connect the fitting on the check valve with the unloader valve on the pressure switch (#6).
- G. Remove the power supply cord from the motor and connect the cord to the "line" terminals of the pressure switch (#7).
- H. Connect the Romex wire to the electric motor and the "motor" terminals of the pressure switch (#8).
- I. Momentarily apply power to check direction of shaft rotation. Viewed from the flywheel end, the direction of rotation for the compressor shaft is counter-clockwise.

