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

PARTS ADDED

(1) Check Valve #1238T (F,K)
(1) ½ x ⅜ Flare Fitting (F, K) or ⅝ x ⅜ Flare Fitting (L)
(1) Emglo Model PCVL Pressure Switch
(1) ¼ NPT Close Nipple
(2) Romex Wire Bushings
(1) ⅛ NPT Plug
(1) ¼ x ⅛ Tube Ell
(30 in) Romex 12-2 Wire
(1) ⅝ Tube Aftercooler (L) Part AFTCL-3
(1) ½ NPT Elbow & Nipple For Manifold Extension (L)
(1) 3412T Check Valve on 17 & 30 Gallon Tanks (L)

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 ⅜ flare fitting (#2) into check valve (⅝ x ⅜ flare on L models).
C. Attach aftercooler to ½ x ⅜ flare fitting (F or K models) ⅝ x ⅜ 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 ⅛ 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.