



Revision 04-12-2021

RC-VFD LOAD CAP KIT



All RC2 Models		
PART #	DESCRIPTION	QUANTITY
3101-1039C	Fix cover plate (replacement for 3142)	1
3142-1003CA-A	Load Gasket for cover plate	1
4301-804012	Bolts M4 x M12	4

Packaging

Ship Weight 0.25 lb (approx)
 Box Dimensions..... 5" x 6" x 2.5"

1. Compressor Set Up

- Remove the 50% load solenoid coil (50% is no longer used).
- The 25% load solenoid is used as the Fast Unload.
- Remove the Load solenoid stem and install a Load Cap in its place. (see photos 1 and 2)

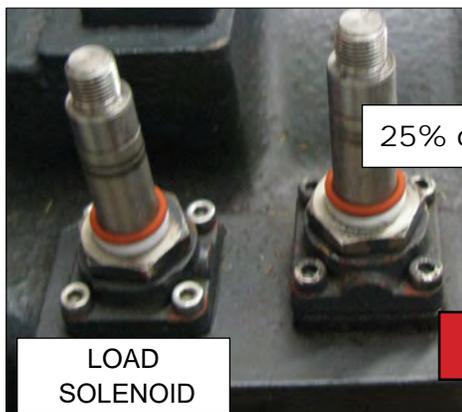
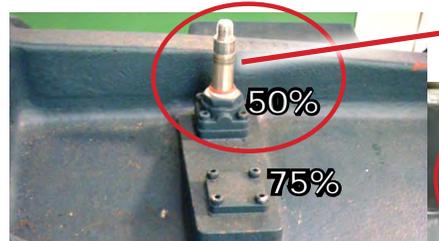


Photo 1
BEFORE CONVERSION



Remove 50% Load Solenoid Coil
 Leave stem as shown in photo on left

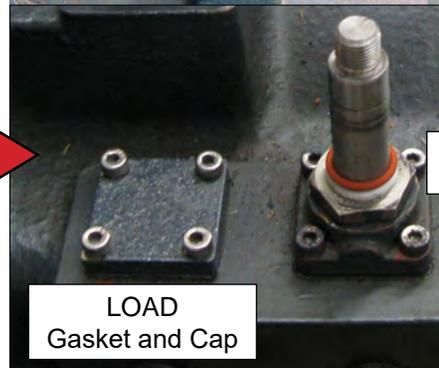


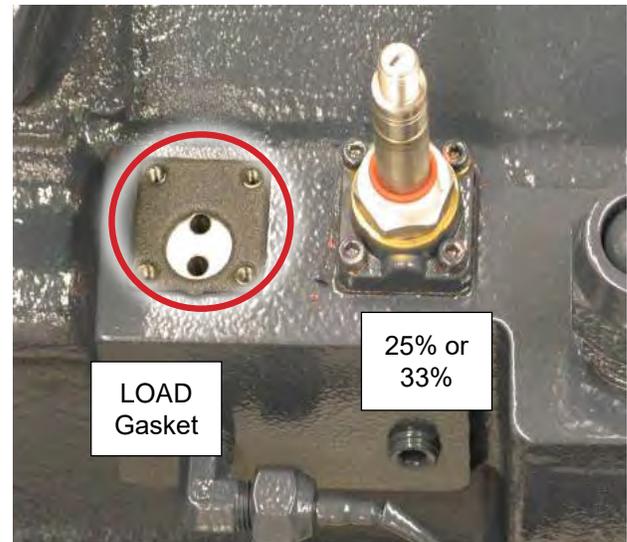
Photo 2
Final Configuration

NOTE #1: Remove the red white and blue wires from the IN69HBY for the Phase loss / Voltage safeties.

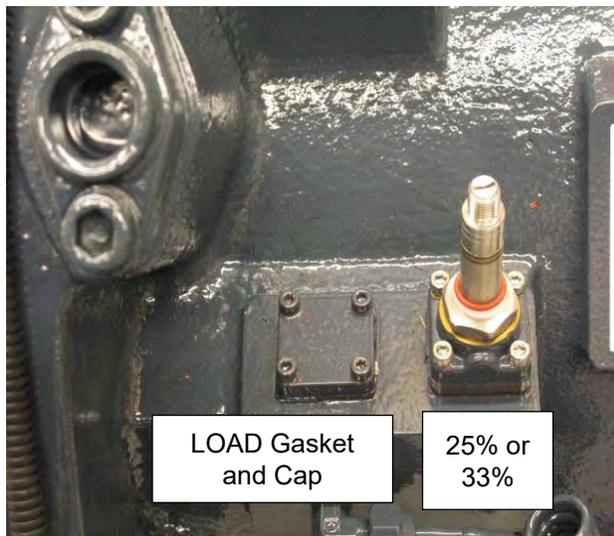
NOTE #2: The Load Solenoid will be removed and replaced with a load gasket and plate. The load gasket has a large hole allowing the oil to flow continuously to the slide piston chamber fully loading the compressor.



Step 1 - Remove Load Solenoid and Gasket



Step 2 - Place And Align Load Gasket



Step 3 - Install Cap to Torque Settings

Torque Setting:



1.96 NM
1.44 Foot Pounds
17 Inch Pounds

DO NOT OVERTIGHTEN
OR YOU COULD RESTRICT
THE OIL FLOW
VERIFY COMPRESSOR LOADS UP