

MANUAL / AUTOMATIC INFLATION DEVICE

CONAX FLORIDA CORP. P/N 1812-158-02

COMMERCIAL MANUAL IM-65

PATENT NO. 4,768,128

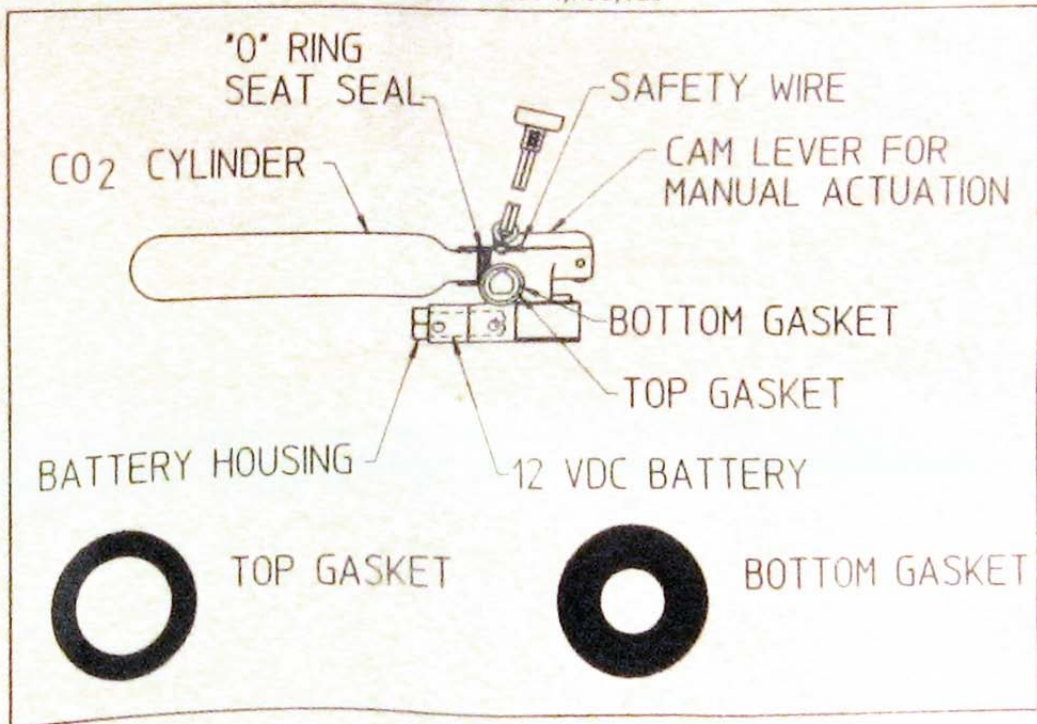


FIGURE 1

FIELD MAINTENANCE is limited to the USER SERVICEABLE ITEMS illustrated above and listed below.

- CO₂ CYLINDER
- 12 vdc BATTERY
- SEAT SEAL "O" RING
- SAFETY WIRE
- TOP GASKET
- BOTTOM GASKET

- CONAX P/N CC-501-01 (MIL-C-25369 TYPE III)
- CONAX P/N CC-1522-01
- CONAX P/N CC-493-01
- CONAX P/N CC-1604-05
- CONAX P/N 1116-116-02
- CONAX P/N 1116-116-01

BATTERY TEST NOT USING A CONAX BATTERY TESTER

The following battery test is conducted only if a CONAX BATTERY TESTER is not available.

CAUTION

Assure that the meter has a minimum of 10 megohms input impedance. If a multi-function meter is used, the function selector switch must be on the VDC scale. Improper meter settings can cause the Inflator to AUTOMATICALLY FIRE. Do not hold the meter lead's metal contacts during the voltage test because human electrical resistance can be low enough to fire the Inflator accidentally.

With the meter set on the lowest appropriate VDC scale, hold the negative lead on the sensor contact located in the end of the battery housing (refer to Figure 2). CONNECT the positive end to the conductive surface of the Inflator. ALLOW approximately 15 seconds for the display's reading to stabilize. BATTERY voltage of 11.7 vdc or above is acceptable. If the reading is below 11.7 vdc, replace the battery as previously explained. If the meter indicates a negative voltage (i.e. - 11.9 vdc), check for a reverse installation of the battery.

SAFETY WIRE INSTALLATION

INSPECT the inflation assembly Safety Wire. If replacement of the wire is necessary, PASS a single length of the copper safety wire (QQ-W-343 Type S) through the holes in Inflator assembly (adjacent to camlever). PASS the other end through the hole in the lever. SECURE the camlever safety wire in place by twisting the two free ends together.

INSTALLATION OF INFLATOR TO FLOATATION DEVICE

- INSTALL - bottom gasket (CONAX P/N 1116-116-01) to base of vest stem.
- INSTALL - Inflator onto the vest stem.
- INSTALL - the top gasket (CONAX P/N 1116-116-02) onto the vest stem.
- INSTALL - the cap nut onto the vest stem
- TORQUE - cap nut to 25 to 30 inch lbs