

**DISASSEMBLY** (see figure)

Step 1: Unpack or open the life vest so that the manual / automatic inflator is visible.

Step 2: Remove gas CO<sub>2</sub> cylinder by firmly rotating cylinder counterclockwise. **Discard cylinder.**

Step 3: Remove clear cap by turning counterclockwise.

Step 4: Remove bobbin from cap or housing unit. **Discard bobbin** (yellow). Check the housing to be sure it is clear and dry.

Note: The bobbin (yellow) body may remain in the housing or in the cap assembly when you remove the cap. The bobbin body must be removed prior to assembly.

**REARMING**

**Note: Rearming must follow the sequence below.**

Step 5: Check the date on the bobbin in the rearm kit. The date should not be over four (4) years from today's date.

Step 6: **IMPORTANT!** Bobbin (yellow) must be installed into the **HOUSING** (\*\*see figure), white side down facing away from the inflator towards the cap (clear), aligning the slots on the bobbin with the ridges inside the threaded housing. The bobbin will slide in easily if installed correctly.

Step 7: Install cap by screwing clockwise until it meets the housing shoulder.

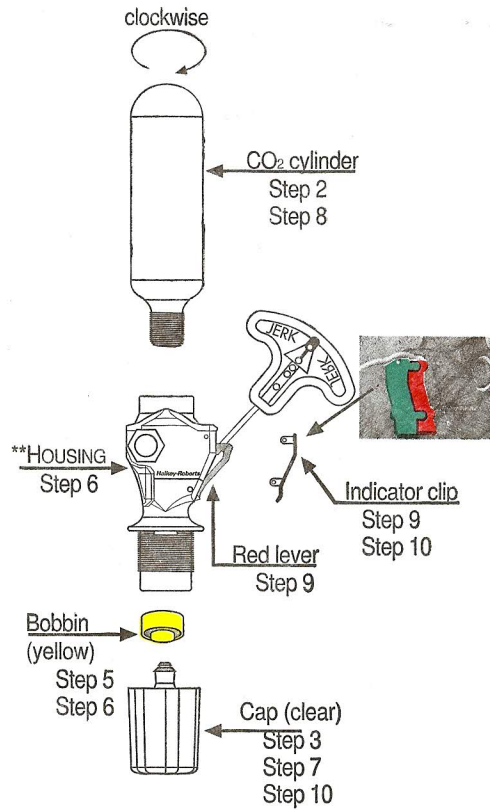
**Note: No gap.**

Step 8: Install cylinder by rotating clockwise into inflator until cylinder is secured firmly in inflator.

Step 9: Place indicator clip over red lever by aligning the arms on the clip with the slots in the inflator. Push firmly in the middle of the clip to snap in place.

Step 10: Check to be sure service indicator is green and green indicator clip is firmly attached.

**ALPHA V90000 INFLATOR  
SERVICE INSTRUCTIONS**



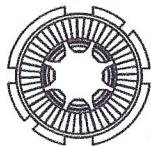
**Service Indicator – Step 10**



If red, stop and service unit.



If green and clip is present, unit is operable.



Cat. No.: V80040

### Instructions for Use

#### V80040 Super Bobbin for Manufacturers and Service Stations



**Cautions:**

- Carefully follow the directions below to maintain the bobbin integrity.
- Intended for use in Halkey-Roberts Corp. products only.

**Safely Handling:**

1. The white pill material is a pharmaceutical grade Microcrystalline Cellulose, typically used as the filler in medicine tablets, ill. 1. The pill formulation is considered proprietary.
2. The MSDS for the yellow bobbin is provided under separate cover.

**Operation:**

1. The V80040 Bobbin Assembly is designed to disintegrate when exposed to water. This allows the firing mechanism to puncture the CO<sub>2</sub> cylinder and fill the inflatable chamber.
2. To insure consistent service from your manual/automatic inflator the bobbin should be changed at regular Halkey-Roberts recommended intervals or replace bobbin more frequently in extreme conditions, i.e. high temperature and high humidity.
3. Install V80040 Bobbin Assembly with the white pill facing the cap of the inflator, ill 1. The Bobbin Assembly will slide in easily if installed correctly.
4. Shelf life plus service life not to exceed six (6) years from Date Code, ill 2. Replace (Discard) bobbin within a maximum of six (6) years from Date Code.

**Shelf life:**

1. See tables below, use Date Code printed on side, ill. 2.
2. Bobbin must be stored in a cool dry environment. ( 65 °F to 85 °F , 19 °C to 29 °C; Maximum 60 %RH)
3. Service life begins when bobbin is removed from a cool dry environment or when bobbin is installed in an inflator, which ever comes first.

**Recreational use:**

V86000 Pro -1F® Inflator  
V85000 Mark IV  
V90000 Alpha Inflator®

Shelf Life (years)

three (3)  
three (3)  
three (3)

Service Life (years)

three (3)  
three (3)  
three (3)

**Commercial use:**

V86000 Pro -1F® Inflator  
V85000 Mark IV  
V90000 Alpha Inflator®

Shelf Life (years)

four (4)  
five (5)  
five (5)

Service Life (years)

two (2)  
one (1)  
one (1)

illustration 1

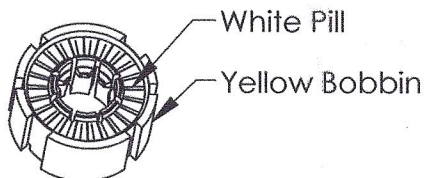


illustration 2



US Patent 7,572,161 and Foreign Patents Pending or Issued.

HALKEY | ROBERTS®, HR®, Pro -1F® and Alpha Inflator® are registered trademarks of the Halkey-Roberts Corporation.  
Made in the USA

**Halkey-Roberts**

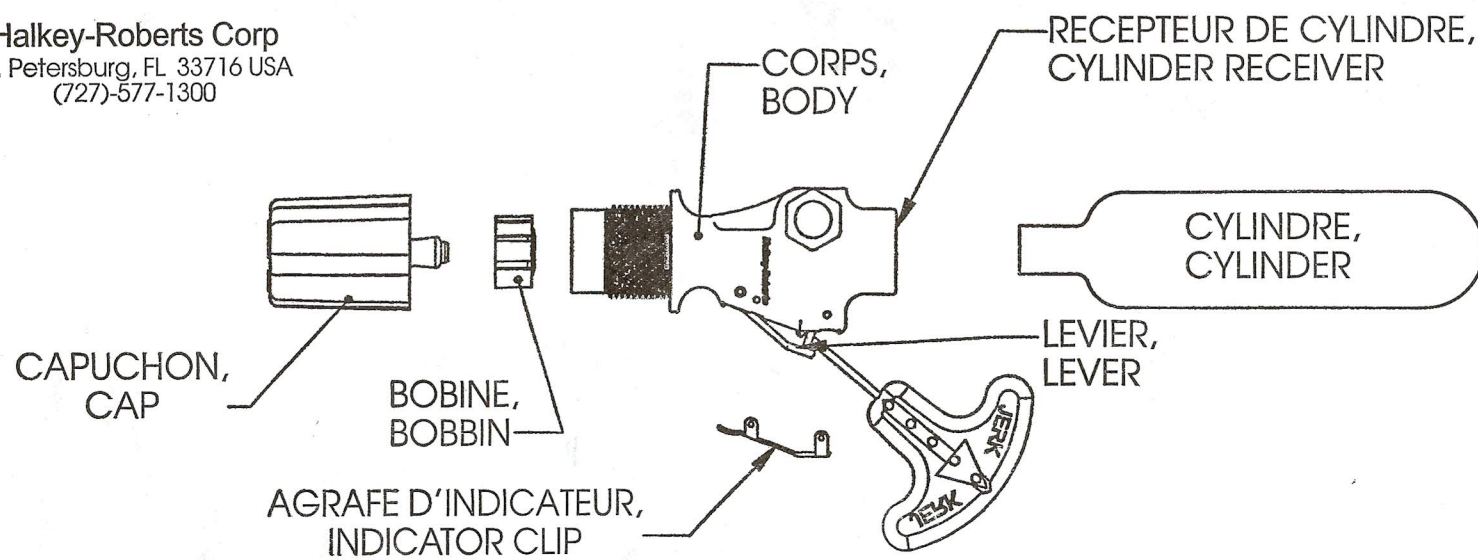
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IFU-V80040-B Rev. A

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NE PAS ENLEVER  
DO NOT REMOVE



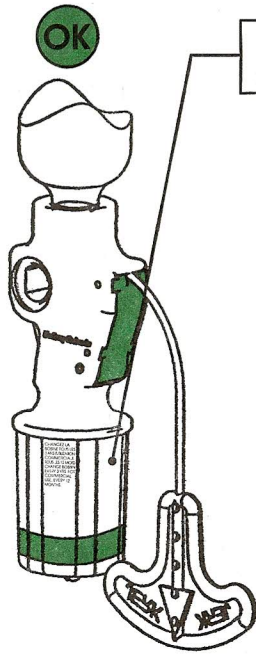
N'EMPLOYEZ PAS SANS CAPUCHON EN PLACE,  
DO NOT USE WITHOUT CAP IN PLACE.

\*\*\*IMPORTANT\*\*\*  
BOBBIN MUST BE CHANGED,  
EVERY 12 MONTHS IN COMMERCIAL USE,  
EVERY 3 YEARS IN RECREATIONAL SERVICE.

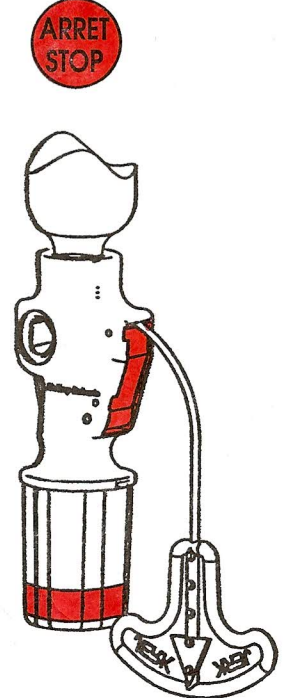
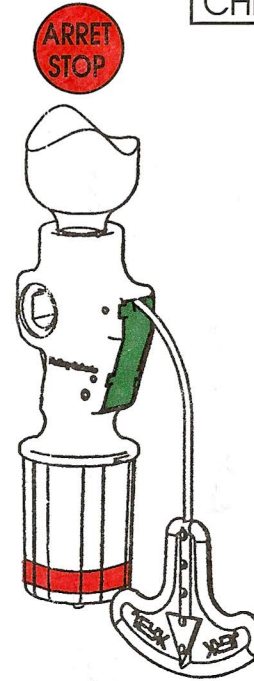
\*\*\*IMPORTANT\*\*\*  
la bobine doit être changée  
tous les 12 mois dans le service commerciale  
tous les 3 ans dans le service récréationnel.

**MANUEL AUTOMATIQUE  
MANUAL AUTOMATIC**

**VERIFIES CYLINDRE  
CHECK CYLINDER**



changez la bobine tous les 3 ans  
(utilisation commerciale tous les 12 mois)  
CHANGE BOBBIN EVERY 3 YRS.  
FOR COMMERCIAL USE, EVERY 12 MONTHS.



**NE PAS ENLEVER  
DO NOT REMOVE**