

Warranty

All parts and products are thoroughly inspected and tested from the time raw material is received at our plant, until the product is completed. We guarantee that all products are free from defects in materials and workmanship for a period of one year from the date of shipment. Any product that may prove defective within said one year period will, at our discretion, be promptly repaired, replaced or credit given for future orders. This warranty shall not apply to any products which has been altered in any way, which has been repaired by any parts other than an authorized service representative, or when such a failure is due to misuse or condition of use. We shall have no liability for labor costs, freight costs or any other costs or charges in excess of the amount of invoice for the products.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED AND SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

WARNING!!

CIVACON products should be used in compliance with the applicable federal, state and local laws and regulations. Product selection should be based on physical specifications and limitations, compatibility with the environment, and the material being handled.

CIVACON MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

TECHNICAL ASSISTANCE

If at any time during the installation a question arises that is not covered in this manual or with any other applicable documents feel free to call the Customer Service Department or visit our website at www.civacon.com.

In the U.S., call 1-888-526-5657
In all other countries, call your local agent.



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civacon
AN **opw** FLUID TRANSFER GROUP COMPANY

891HRK - API Handle Repair Kit Instruction & Maintenance Manual

P/N: 891HRK-RM

REV A, MAY 2011



Product Description

Civacon's 891 flat bottom API adaptor design reduces product retention and increases flow while unloading. The ergonomic handle smoothly opens the poppet during manual operation and the hardened nose is rotatable for longer service life. The poppet seal is easily serviced without removing the API from the truck. The 891 adaptor conforms to API 1004 and EN13083 regulations. Civacon's 891 is a direct replacement for the 861, 897 and all competitors' bottom loading adaptors.

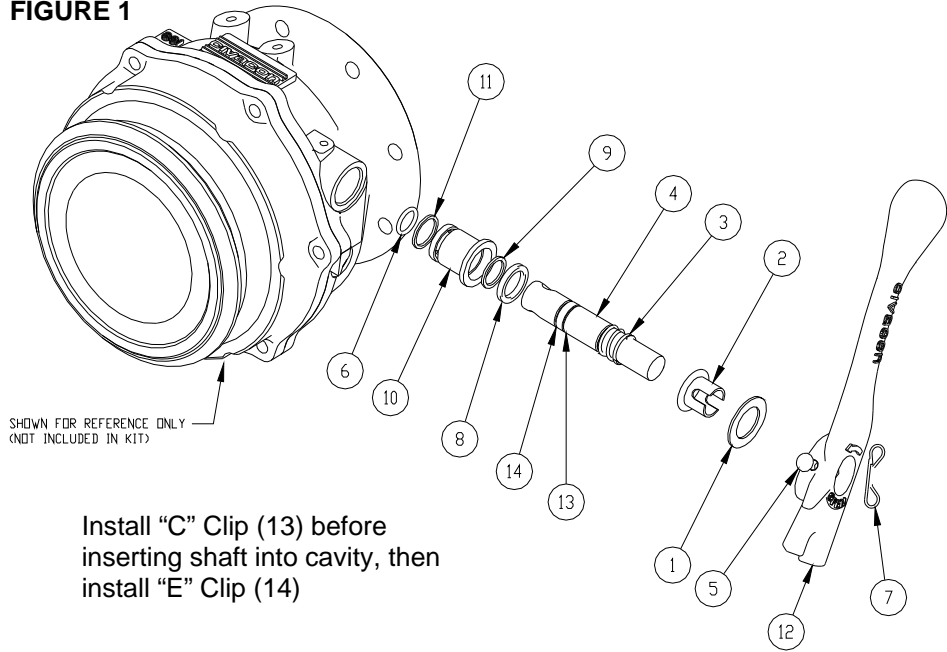
Manual

This manual contains the inspection, maintenance schedule and instructions for repairing and replacing parts for all the 891 API adaptors. The following schedule, based on the environmental conditions in the northern United States, is only a recommendation: *Inspection and maintenance intervals must be adjusted according to use and operating conditions.* If any parts are damaged, refer to the *Annual Inspection and Maintenance* section.



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FIGURE 1



Replacing the API Handle:

1. Remove the Bowtie Clip
2. Remove the fulcrum pin. **Caution, minimal spring tension.** To remove the pin you may need to push on the handle to allow freedom of the pin.
3. Remove old part from the shaft assembly and discard.

Installation Procedure

1. Insert washer (6), quad ring (11) and bearing (10). Gently install bearing to ensure the quad ring is not damaged.
2. Remove API adaptor and gasket. Thoroughly clean mounting flange.
3. Install new gasket (P/N 9095).
4. Position new API adaptor with notch in mounting flange oriented to the top position.
5. Install nuts, bolts and washers.
6. Recheck dimensions
7. If dimension is greater than 3/16" between handle and stop pin, reinstall washer and bowtie clip (See Figure 2)

ITEM	PART NUMBER	DESCRIPTION
1	10840	NYLON WASHER
2	11490	HUB
3	H20182M	SPRING
4	11543	SHAFT
5	H08901M	FULCRUM PIN
6	11704	WASHER
7	11623	BOWTIE CLIP
8	H20199M	NYLON WASHER
9	H06924M	O-RING
10	11536	BEARING
11	11705	QUAD RING
12	11460	HANDLE
13	11662	"C" Clip
14	11661	"E" Clip



FIGURE 2

3/16"