



# Service Kit 759-04284

Date: August 17, 2010

Subject: Service Replacement Cam Assemblies for the 618-04430 and 618-04634 Steering Gear Boxes

Models Affected: See Below

REFERENCE: S/A CC-685

**Models Affected:** 2007, 2008 and 2009 Model year Riders with the 618-04430 or 618-04634 Steering Gearboxes. (This kit is not applicable to the 618-04634A Steering Gearbox which incorporates these kit components)

**i1042:** 17AE9BKR010; 17AE9BKR056; 17RE9BKR256; 17RE9BKR056

**i1046:** 17AF9BKH710; 17AF9BKH010; 17RF9BKH756; 17AF9BKH756; 17RF9BKH709

**i1050:** 17AF9BKP710; 17AF9BKP010; 17AF9BKP756; 17AF9BKP709

**PURPOSE:** This service kit provides the latest production RH and LH cam assemblies, steering cam connector tube and necessary hardware when replacing:

**For the 618-04430 Steering Gearbox** - Either the 647-04085 (LH Hydro Cam Assembly), 647-04086 (RH Hydro Cam Assembly) or 718-04229 (Steering Cam Connector Tube) which are no longer available.

**For the 618-04634 Steering Gearbox** – Either the 647-04232 (LH Hydro Cam Assembly), 647-04233 (RH Hydro Cam Assembly) or 718-04229 (Steering Cam Connector Tube) which are no longer available.

If only one of the cam assemblies or the steering cam connector tube is damaged, both new cam assemblies, new steering cam connector tube, wave washers and spring pins supplied must be replaced as a complete set. This kit is only applicable to iSeries riders with hydrostatic transmissions.

**NOTE:** These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

**NOTE:** Save this Instruction Sheet. Refer to it when ordering replacement parts.

## Service Kit Contents

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	647-04228	1	CAM: ASSEMBLY: LH: HYDRO
2	647-04229	1	CAM: ASSEMBLY: RH: HYDRO
3	718-04388A	1	TUBE: CONNECTOR: STRG CAM
4	715-0120	2	PIN: SPRING: SPIRAL
5	732-04711	2	WASHER: SPRING: WAVE
6	*	1	THIS INSTRUCTION SHEET

\* - Not Available Separately

**NOTE:** Left (LH) and right (RH) sides are determined from the operator's position and facing in the forward direction.

### Pre-Service Preparation:

1. Place the rider on a flat and level surface
2. Turn off the engine and remove the ignition key.
3. Allow the muffler and engine to cool before proceeding.

### Removal, Rebuild and Installation Instructions:

4. Refer to the "Professional Shop Manual - i Series Riding Tractors" P/N 769-03231A for the removal, rebuild, lubrication, installation and adjustment procedures for the steering gearbox.

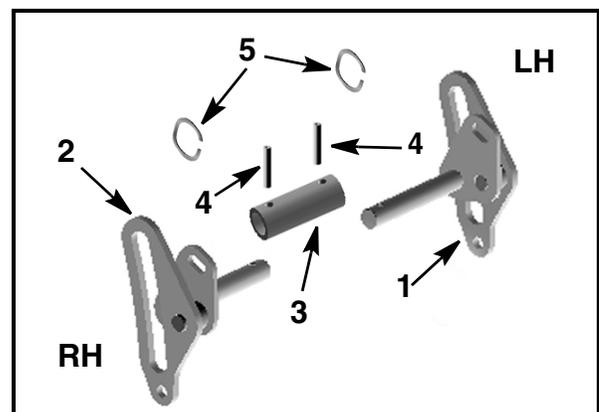


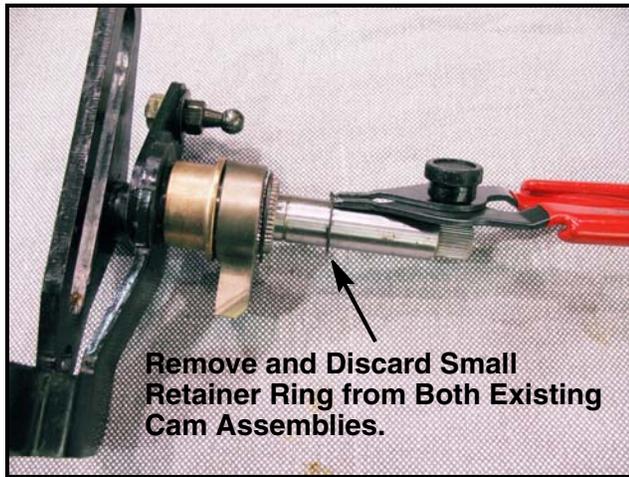
FIGURE 1

**Chapter 4** covers dash and fender removal for access to the steering gearbox.

**Chapter 6A** covers the removal, rebuild, lubrication and adjustment of the steering gearbox (special tool P/N 753-05437 required).

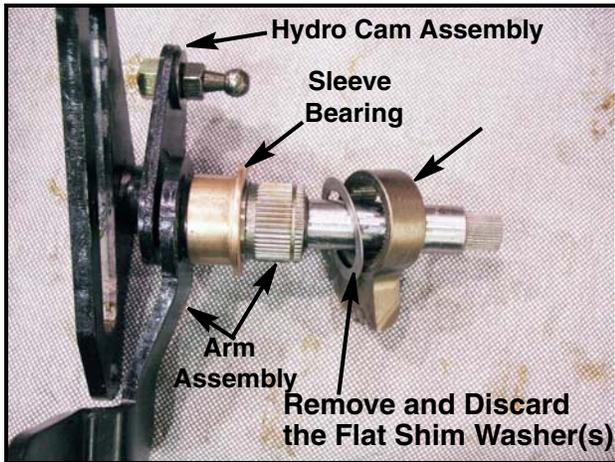
**Additional Instructions to be followed during reassembly addressing the existing small retainer rings, the supplied Spring Wave Washers and Spiral Spring Pins is on page 2 of this instruction sheet.**

5. The small retainer rings, 716-0115, shown in Figure 2 are to be removed and discarded. They are not required with the new cam assemblies.



**FIGURE 2**

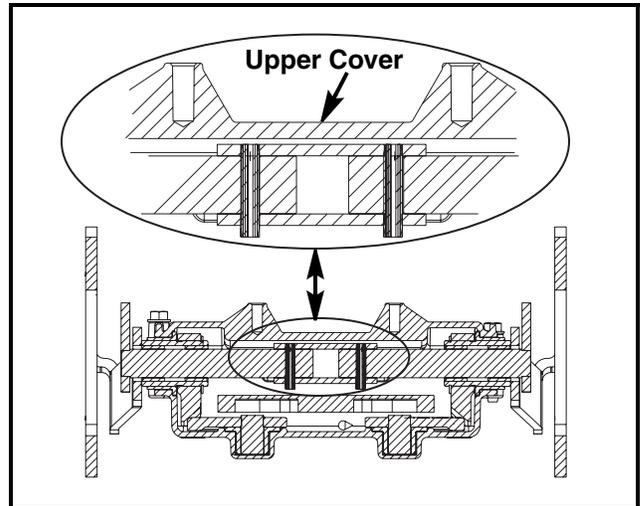
6. When replacing the cam assemblies, the flat shim washer(s) located between, both the LH and RH, output bevel gear and the sleeve bearing are to be removed and discarded. See Figure 3.



**FIGURE 3**

7. Install one supplied spring wave washer, Item 5, between the output bevel gear and sleeve bearing in place of the discarded shim washer(s) for the LH and the RH cam assemblies.

8. When assembling the Steering Cam Connector Tube, Item 3 to the Cam Assemblies, Items 1 and 2, the Spring Pins must be pressed flush with the top side of the Steering Cam Connector Tube so as not to interfere with the upper cover. See Figure 4.



**FIGURE 4**

## NOTES