



Broadcast Products

Technical Bulletin 20-2010-022

DATE: February 8, 2010

SUBJECT: **INSTALLING HANDLE OF HDC1500R SERIES TO
HDC1500 SERIES CAMERAS**

MODEL: *HDC1400//UL*
HDC1400/L
HDC1400/T
HDC1400/T
HDC1450//UF
HDC1450/K
HDC1500//UL
HDC1500/L
HDC1500/L
HDC1500/L1
HDC1500/L2
HDC1500/T
HDC1500/T2
HDC1550//UF
HDC1550//UF1
HDC1550/F
HDC1550/K
HDC1550/K1
HDC1550/K2
HDC1580/L
HDC1580/L1
HDC1580/T
HDC3300/L
HDC3300/L
HDC3300/T
HDC3300/T

SERIAL NO: **ALL**

*Italicized information in green applies to
customers outside the United States.*

DESCRIPTION

The improved handle of the HDC1500R series camera can be installed on HDC1500 series cameras; however, specific safety precautions apply.

To ensure a secure installation when using the new handle, perform the replacement procedure as described in this technical bulletin.

NOTE: The new handle has different dimensions than the former handle; before using the new handle, make sure the shipping case and peripheral equipment can accommodate the new handle.

PARTS REQUIRED

Part No.	Description	Qty.
A-1675-895-A	Handle Sub Assembly	1
4-138-676-01	Grip	1
4-136-010-02	Handle Cover (R)	1
3-676-244-21	SW Cover	2
3-872-580-01	Label (Handle)	1

Also Required:

- Locking compound
- Fast-acting adhesive (Loctite 403 or equivalent)

ORDERING INFORMATION

To order parts online, go to: www.sony.com/servicesplus. For service or parts ordering assistance, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 00-1999-000

REPLACEMENT PROCEDURE

1. Fit the two SW covers in the new handle cover (R), affixing the covers by applying fast-acting adhesive as shown in Figure 1.

NOTE: Make sure that the adhesive does not ooze out to the front.



Figure 1

2. Remove the former handle cover from the camera (three screws).
- NOTE:** Be careful of the water-protection cushion.
3. Remove the LE-308 and SW-1236 boards (three screws from a single connector).
4. Push the harness into the hole of the handle revolving nut as shown in Figure 2.

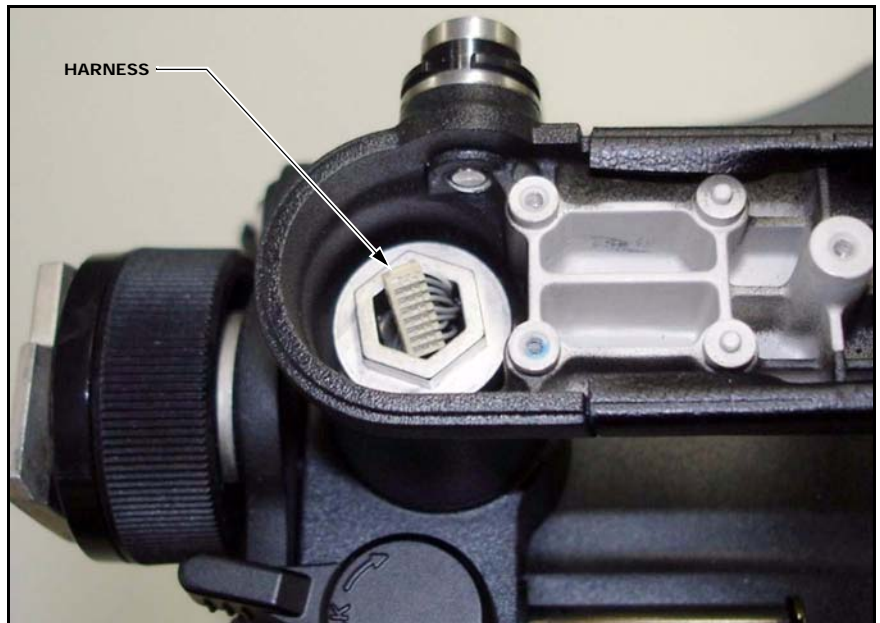


Figure 2

5. Remove the handle revolving nut with a 12 mm nut driver.
(See Figure 3.)

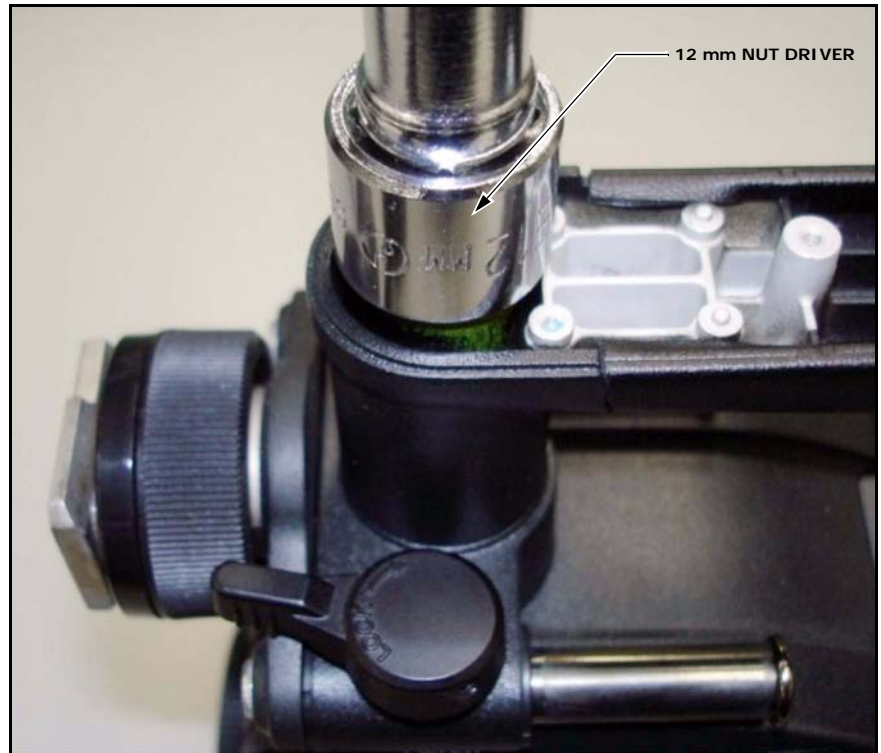


Figure 3

6. Disengage the lock of the rear of the handle, and remove the handle from the camera.
7. Fit the new handle sub assembly in the camera.
8. Install the handle revolving nut, washer 01, and washer 02 in the order shown in Figure 4, and gently tighten the nut with a tightening torque of 1.0 N·m (10 kg·fcm).

NOTE:

- Do not wipe the grease off the washers; use the washers with grease as they are.
- Apply locking compound to the screw threads of the handle revolving nut.
- Washer 01 has a rotation stop function and may over-ride the stop function when the nut is tightened.

If mechanical play or clearance occurs in the connection area of the handle even though the nut is tightened completely, remove washer 01, and repeat the replacement steps from the beginning.

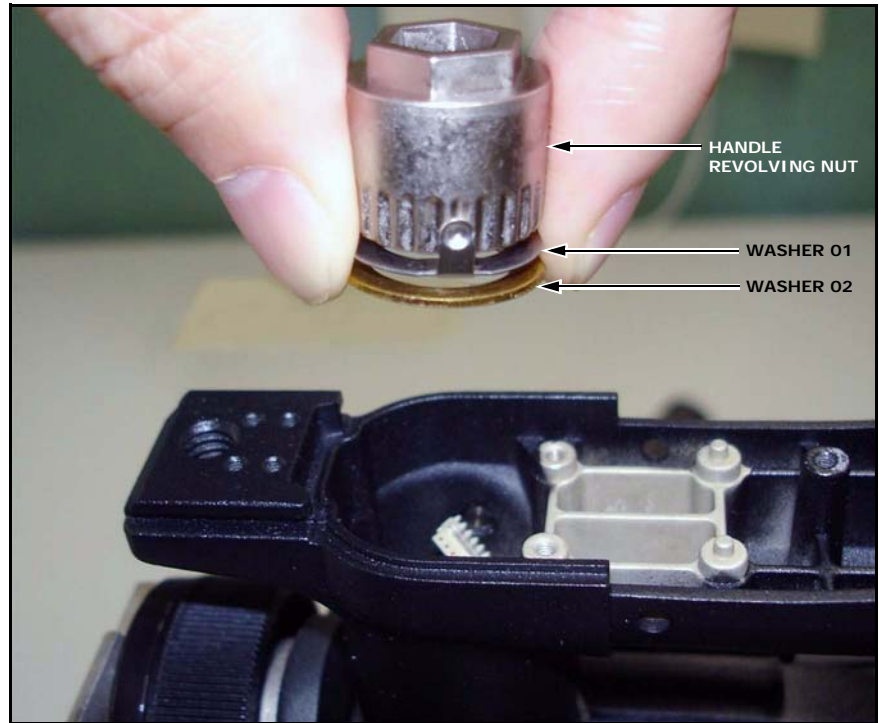


Figure 4

9. Reinstall the LE-308 and SW-1236 boards.
10. Wrap the new grip around the handle. (See Figure 5.)

NOTE: Adhesive is not required.

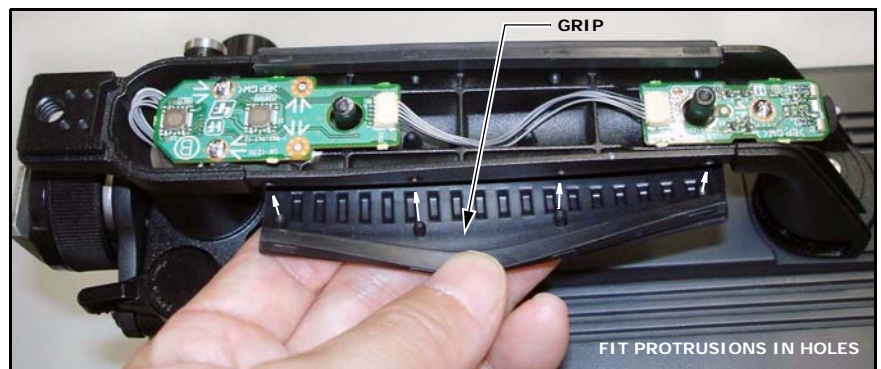


Figure 5

11. Install the handle cover (R).
12. Attach the handle SW label as required.

CONFIRMATION

Confirm that the:

- Handle rotates smoothly with appropriate torque and has no play.
- Locking mechanism of the handle, rear block operates normally.
- Switches and tallies on the handle operate normally.