

SUBJECT: **TRANSPEC ROOF HATCH HANDLE ASSEMBLY REPLACEMENT**  
**- INSIDE RELEASE (ISR) -**  
Effective 09/29/08 (Revised 10/18/08)

**Tools Needed:**

7/16" Socket Drive  
Pliers  
T-20 and T-40 Torx Drive

Electric Drill w/ 5/32" drill bit  
Hammer



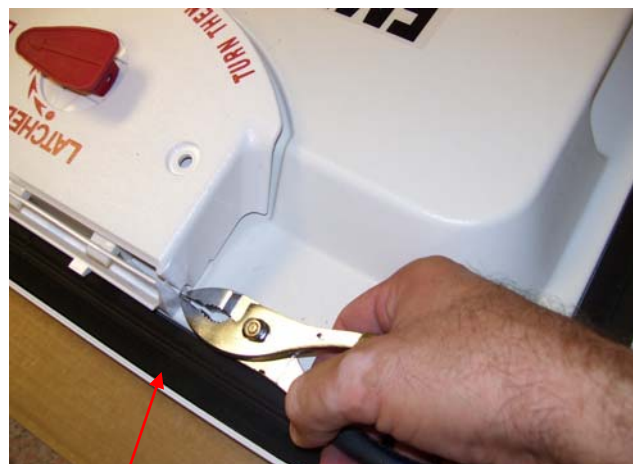
**STEP 1.** Remove the lid from the hatch frame (T-40 Torx drive). Place lid on a flat surface with the inside of the lid facing upward. Depress the inside red knob to remove release hinge.



**STEP 2.** Using a 5/32" drill bit, carefully drill through the center of the plastic rivet. Remove both rivets.



**STEP 3.** Lightly tap on the left hand end of the hinge pin (tapered end) until the opposite end is approximately 3/8" out of handle base.



**STEP 4.** Remove the hinge pin from the side of the handle base. Pushing on the handle shield makes it easier to remove the pin. **Caution: gloves are recommended for this step as plastic edges can be sharp.**

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**STEP 5.** Remove the handle shield and inner knob components.



**STEP 6.** Using a 7/16" socket drive, unthread the 1/4" hex bolt from the red knob.



**STEP 7.** Remove the 1/4 Hex Bolt, (2) flat washers and rubber washer.



**STEP 8.** Replace the new handle into the subassembly. Rotate bolt 9.5 times for proper torque. The bolt should pass through each item in this order:

1. Flat Washer
2. Rubber Washer
3. Flat Washer
4. Handle
5. Handle Shield
6. Inner Knob

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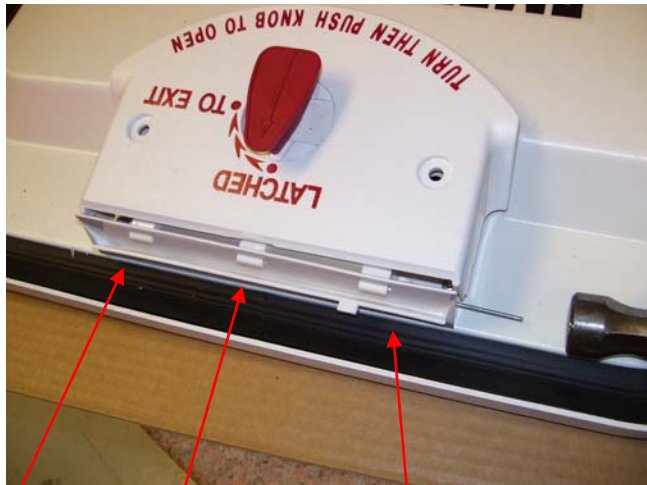
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**STEP 9.** Using a T-20 Torx bit, remove the 5 screws that hold the handle base to the lid.



**STEP 10.** Using the same screws, attach the new handle base to the lid.



**STEP 11.** Place the new handle assembly on the lid. Ensure that the handle hooks are in the openings of the handle base (3 places).



**STEP 12.** While pushing down on the handle shield, slide the hinge pin into the hole on the handle base. Pushing on the handle shield will help locate the pin during insertion. You will need to guide the pin into the second hole on the handle from underneath the handle. Lightly tap the pin with a hammer until the pin is fully inserted.

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**STEP 13.** Hold the handle shield down against the lid. Insert the rivets into the holes in the shield and the holes in the lid. Lightly tap on the head of the rivets to set the rivets.

## REINSTALLING THE HATCH IN THE BUS

**STEP 14.** Reinstall a plunger spring into each end of the fixed hinge. Reinstall a link and follower assembly into each end of the fixed hinge.

**STEP 15.** Using two of the shoulder bolts included in the kit, reinstall the hatch lid onto the bus with the hatch oriented so that the fixed hinge is closest to the front of the bus. **While holding the linkage against the head of the shoulder bolt to ensure proper alignment, torque the shoulder bolts to a range of 50-60 IN-LB.**

**STEP 16.** **If a release alarm switch is present:** Remove the alarm from the original release hinge. Reattach the alarm to the new release hinge.

**STEP 17.** Using two of the shoulder bolts included in the kit, reinstall a plunger spring into each end of the release hinge. Reinstall a link and follower assembly into each end of the release hinge.

**STEP 18.** Reinstall the release hinge onto the bus with the alarm facing outward. **While holding the linkage against the head of the shoulder bolt to ensure proper alignment, torque the shoulder bolts to a range of 50-60 IN-LB.**

**STEP 19.** Secure the hatch lid and turn knob to **“LATCHED”** position.

*If further help is needed, contact the engineering department at Specialty Manufacturing.*

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