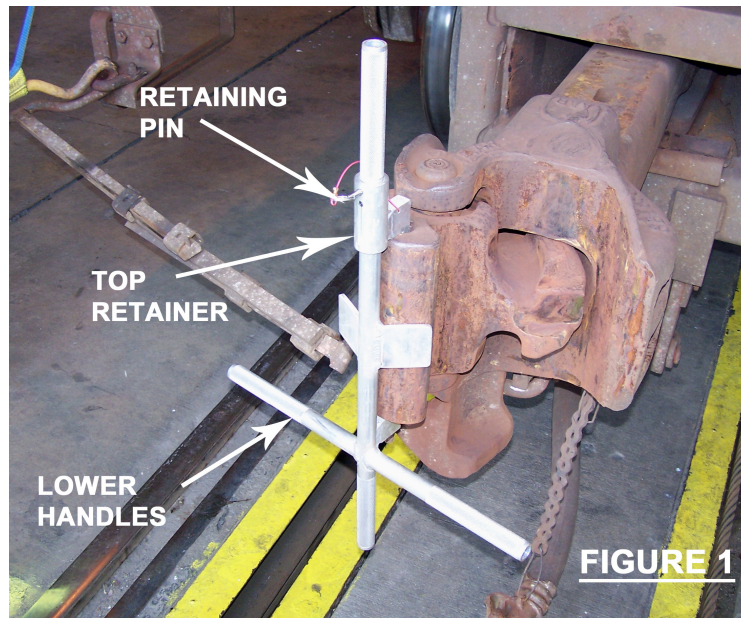


SUBJECT:

Offset Two-Person Coupler Knuckle Transport And Installer

Capacity: The tool is rated as a complete assembly with a load limit of 100 pounds.

**TECHNICAL SPECIFICATIONS:**

Wulf's Custom Welding

19102 So. 156th Street

Omaha, NE 68059

Tel: 402-253-2772

Fax: 402-253-9092

Website: wcwrail.com

Reference Part Number: 0287

Part number includes the complete assembly with retaining pin.

Approximate Weight: 2 Pounds

Construction Material: Aluminum

DESCRIPTION:

This tool is used by two people to transport and install coupler knuckles. It is designed for use with knuckles having a casting hole that is too small to allow insertion of the conventional two-person knuckle transport.

INSTRUCTIONS FOR USE:**KNUCKLE REMOVAL:**

WARNING: Ensure car(s) or locomotive(s) is/are properly secured with hand brakes and/or chocks before attempting to perform knuckle replacement

WARNING: Ensure Blue Flag protection is set in accordance with GSR 1300 before fouling any track or performing any type of repairs.

1. Check the casting hole on the knuckle to be removed. If the hole looks small, or measures less than 1" in diameter, this tool must be used for transport and handling. If the hole is 1" diameter or larger, either this tool or the conventional two-person transport may be used.
2. Inspect the transport for defects. Look for broken welds or bent tubing. Make sure the retaining pin is in place and secured with the wire rope (Figure 1).
3. Lift the uncoupling lever with one hand. When the lever has traveled to its full upward rotation, apply the Uncoupling Lever Retaining Strap in accordance with the instructions listed in Tool Guide 27-40503.



4. Carry the transport to the freight car or locomotive requiring knuckle replacement.
5. Remove the retaining pin, and slide the top retainer upward.
6. Place the lower transport tine into the knuckle casting hole, installing the cross handles in the downward position.
7. Move the top retainer downward until the tine engages the casting holes.
8. Place the retaining pin back into the top retainer, making sure it goes all the way through the retainer and the locking detent engages on the other side.
9. Remove the knuckle pin, and place it on the brake step or other portion of the car body where it will not roll off.
10. With one person gripping the lower and upper handle of the tool, and the other gripping the lower handle and the knuckle, remove the knuckle from the coupler (Figure 2).
11. Move the old knuckle to a pallet or container for disposal. To release the knuckle, remove the retaining pin and slide the top retainer upward.

KNUCKLE INSTALLATION:

1. Apply the new knuckle onto the transport using the procedure described above. Make sure the retaining pin is secure.
2. Move the knuckle to the car or locomotive reverse the removal procedure for installation
3. Install the knuckle pin. Remove the fixture prior to closing the knuckle to avoid any potential for pinch points during closure.
4. After installation is complete, remove the retaining strap, and place the transport into its proper place of storage.
5. Remove all blue flag protection, chocks, and release the hand brake if the freight car is ready to return to service.

SAFETY PRECAUTIONS:

WARNINGS: Noncompliance could cause injury to employees

CAUTIONS: Noncompliance could cause damage to equipment

NOTES: Pertinent information

1. WARNING: Wear personal protective equipment in accordance with Safety and General Conduct Rule 1040 as required.
2. WARNING: Exceeding the rated weight capacity of this tool could cause failure. Never use this device for any purpose other than the removal, installation, and transport of coupler knuckles.
3. WARNING: Avoid pinch points. Only handle the knuckle from the sides. Never place your hand or fingers near the lifting tines during installation. Remove the tool from the new knuckle prior to closing it in the coupler to avoid potential pinch points.