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SERVICE BULLETIN MAINTENANCE OF WAY FOLIPMEN

MAINTENANCE OF WAY EQUIPMENT								
DATE : 01 - 2021				BULLETIN NO : 21-001				
TITLE: Trans	mission Sเ	upport Strap Conversion l	Kit					
RATING:		DIRECTIVE (Action Is Required)		ALERT (Potential Problem)				
		INFORMATION (Action Is Optional)	X	PRODUCT IMPROVEMENT (Enhance Product)				
PRODUCT SI	ERIES / MO	ODEL: MARK IV Production Drive Transmissi		itch Tampers with Durst or Cushman				
SERIAL NO:	N/A							
SUMMARY:	Harsco Rail is offering a Transmission Support Strap Conversion Kit for MARK IV Production / Switch Tampers with Durst or Cushman Drive Transmissions. When installed, the components in this kit will provide a safety feature to help support the transmission in the event the torque lug bolts work loose or fail. Follow the instructions in this Service Bulletin to install the Transmission Support Strap Conversion Kit #5113568.							
OPERATION	AL IMPAC	T : None						
ACTION:	Order one Transmission Support Strap Conversion Kit #5113568 - this will supply all components necessary to rework both front and rear transmissions. Follow the instructions in this Service Bulletin and refer to the attached drawing #5113568 to install the Kit.							
CONTACT:	Harsco R	ail Service Department						

SAFETY INFORMATION

(803) 822-7546

(800) 800-6410

Harsco Rail Parts Department



■ FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURES AND MACHINE ENERGY CONTROL PROCEDURE TO DISABLE ENERGY SOURCES WHEN PERFORMING MAINTENANCE, MAKING ADJUSTMENTS OR REPAIRS TO THE MACHINE. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.

WELDING PRECAUTIONS



■ REFER TO ENERGY CONTROL PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE BEFORE PERFORMING MAINTENANCE, OR MAKING ADJUSTMENTS OR REPAIRS TO MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

Important: Always disconnect Electronic Control Module (ECM) connectors and engine control system to machine ground before welding on engine or machine. High currents or electro-static discharge in electronic components from welding may cause permanent damage.

Before Installing Transmission Support Strap Conversion Kit

- 1. Make sure all machine work components are in the stored position and locks are engaged.
- 2. Make sure the machine is shut down, parking brakes are applied and battery switch is turned off. Chock the machine wheels.
- 3. Order one Transmission Support Strap Conversion Kit #5113568 this will supply all components necessary to rework both front and rear transmissions.

ITEM	PART NO	DESCRIPTION	QT	Υ
	5113568	Transmission Support Strap Conversion Kit		. 1
1	5110029	Transmission Hanger Weldment		.2
2	A0061024	Washer, Lock, 3/4", Heavy, YZP		.8
3	F022173	HHCS .75-10 x 2.00		
4	5113759	Bracket, Trans Cable Hanger		. 1
5	150973-13	Washer, Flat, 1-1/4", Hardened		. 8
6	1444	Cotter Pin .156 X 2.00		.8
7	5113839	Bracket, Trans Cable Hanger		. 1
8	172582-1	O-Ring		.2
9	5114122	Wire Rope Sling, .31 Dia X 9.62 L		.4

Installing Transmission Support Strap Conversion Kit - Front Axle

- 1. Prior to removing components, place a leak-proof container beneath the gearbox to catch any lubricant that may run out.
- 2. Remove existing cover plate (see Section D-D in the attached drawing in this Service Bulletin) located on the opposite side of the transmission from the hydraulic drive motor.
- 3. Install Transmission Hanger Weldment plate (1) and new O-Ring (8) being careful not to damage the O-Ring. Secure with four new fasteners (2) and (3).
- 4. Position Transmission Cable Hanger Bracket (4) on the frame as shown and weld in place. Refer to dimensions and weld symbols on the drawing.
- 5. Position the two Wire Rope Slings (9) over the pins on Transmission Hanger Weldment (1) and Transmission Cable Hanger Bracket (4). Secure the slings to the pins using four Flat Washers (5) and Cotter Pins (6).
- 6. If necessary, replenish the gearbox to the proper level with clean 80W-90 gear lube. Properly dispose of the lubricant caught in the container.

Installing Transmission Support Strap Conversion Kit - Rear Axle

- 1. Prior to removing components, place a leak-proof container beneath the gearbox to catch any lubricant that may run out.
- 2. Remove existing cover plate (see Section G-G in the attached drawing in this Service Bulletin) located on the opposite side of the transmission from the hydraulic drive motor.
- 3. Install Transmission Hanger Weldment plate (1) and new O-Ring (8) being careful not to damage the O-Ring. Secure with four new fasteners (2) and (3).
- 4. Position Transmission Cable Hanger Bracket (7) on the frame as shown and weld in place. Refer to dimensions and weld symbols on the drawing.
- 5. Position the two Wire Rope Slings (9) over the pins on Transmission Hanger Weldment (1) and Transmission Cable Hanger Bracket (7). Secure the slings to the pins using four Flat Washers (5) and Cotter Pins (6).
- 6. If necessary, replenish the gearbox to the proper level with clean 80W-90 gear lube. Properly dispose of the lubricant caught in the container.

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