



FIELD SERVICE CAMPAIGN – 16131

02 November 2016

SUBJECT:

Trailer Hand Valve

MODELS INVOLVED:

HX™ Series

DEFECT DESCRIPTION:

Certain HX™ Series vehicles may have been built without a trailer hand valve installed.

TOOLS REQUIRED:

No tools required.

PARTS REQUIRED:

Part Number	Description	Quantity
2597771C91	Valve Trailer Control TC-7	1
1685662C91	Handle Assembly, Control	1
1663738C1	Knob Hand Brake Control Handle	1
2029564C1	Elbow 45 Degrees 3/8 in Push to Connect (PTC)	1
3518293C1	Elbow 45 Degrees 3/8 in PTC w/ Exhaust Port	1
160544	Screw, Pan Head Machine 1/4 in x 3/4 in UNC	3
27303R1	Washer Lock 1/4 in SST	3
417199C3	Tube, Black Nylon 3/8 in O.D.	Approx. 6 ft
450017C1	Loom, Convolute Electrical Wire 1 in I.D. x 1.29 in O.D.	Approx. 10 in

Table 1 Parts Information

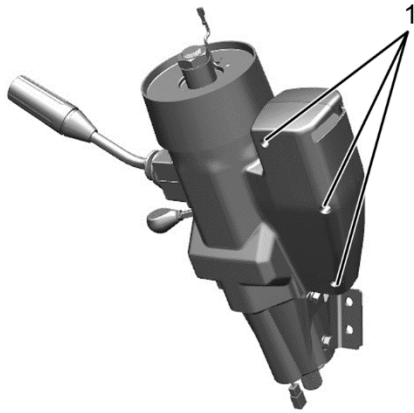
WORK INSTRUCTIONS

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

1. Park vehicle on flat surface.
2. Shift transmission into park or neutral, and set parking brake.
3. Install wheel chocks.
4. Drain air tanks.

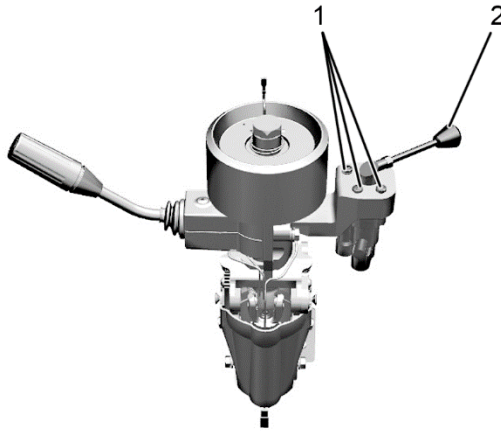


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Figure 1. Steering Wheel Cover

1. Screw (3)

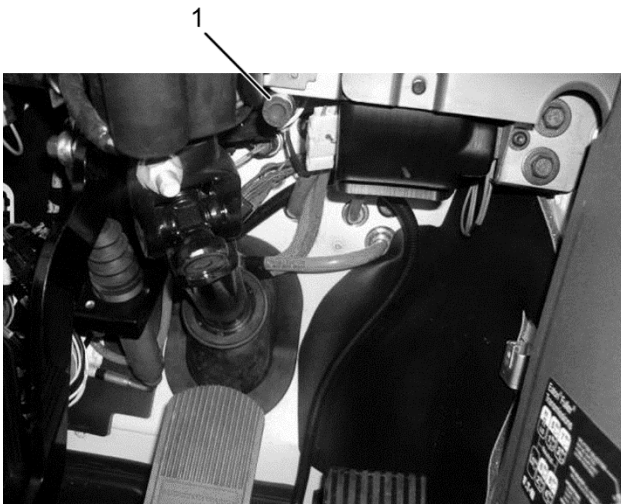
5. Remove steering wheel cover by removing three screws (Figure 1, Item 1).



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Figure 2. Hand Control Valve

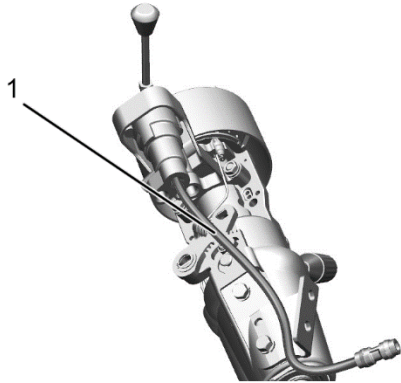
1. Screw (3)
 2. Knob
6. Screw knob (Figure 2, Item 2) securely onto handle. Screw handle to valve trailer control TC-7, secure tightly.
 7. Install trailer hand control valve using three washers and three screws. Using torque wrench, tighten screws to 30 - 40 lb-in (3.3 - 4.5 N•m) (Figure 2, Item 1).



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Figure 3. Quick Disconnect Union

1. Quick disconnect union plug
8. Remove plug from quick disconnect union (Figure 3, Item 1).

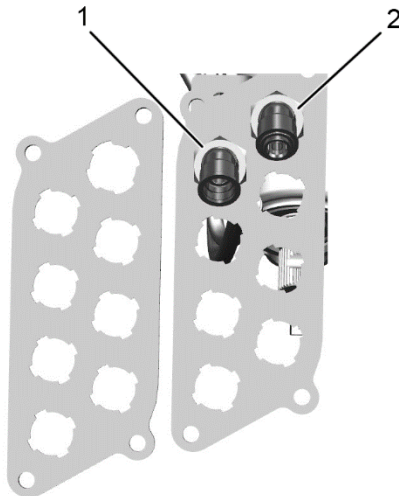


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Figure 4. Union to Supply Port

1. Supply line

9. Install approximately 16 inches of supply line from union to hand valve supply port (Figure 4, Item 1).

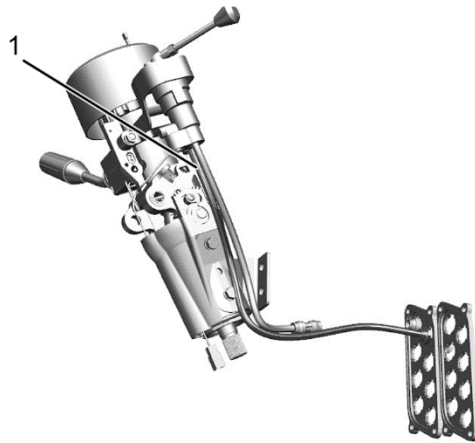


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Figure 5. Bulkhead Fittings

1. Exhaust port fitting
2. Delivery port fitting

10. Install fittings into bulk head junction plates from the engine compartment side (Figure 5, Items 1 and 2).

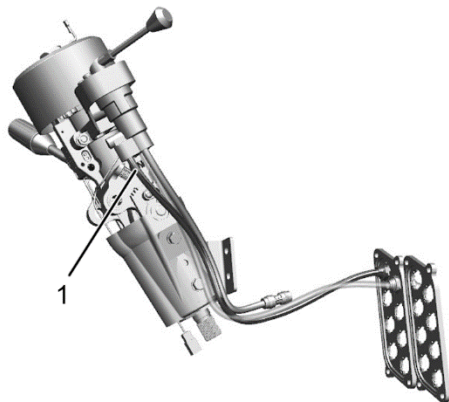


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Figure 6. Exhaust Port to Bulkhead Connector

1. Exhaust port to bulkhead connector

11. Install approximately 24 inches of line from exhaust port to bulkhead connector (Figure 6, Item 1).

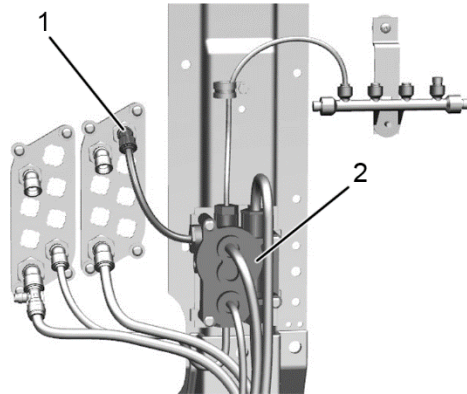


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Figure 7. Delivery Port to Bulkhead Connector

1. Delivery port to bulkhead connector

12. Install approximately 24 inches of line from delivery port to bulkhead connector (Figure 7, Item 1).

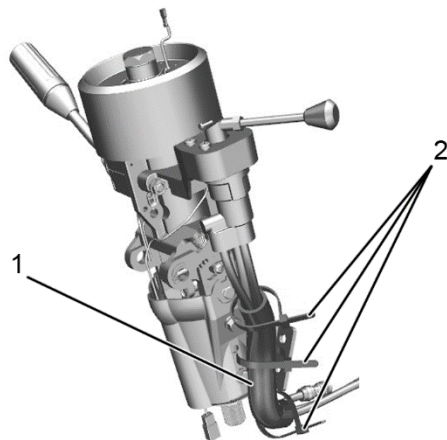


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Figure 8. Bulkhead to Traction Protection Valve

1. Bulkhead
2. Traction protection valve

13. Install approximately 10 inches of line from bulkhead fitting to traction protection valve (Figure 8, Items 1 and 2).



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Figure 9. Conduit Routing and Clipping

1. Conduit
2. Tie strap (3)

14. Install convoluted tubing over newly installed air lines, secure conduit using 3 cable tie straps to prevent it from moving (Figure 9, Items 1 and 2).

15. Follow operational and leak checks. Refer to Bendix Service Data Sheet SD-03-824.

16. Install steering column cover.

17. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 1 Labor Information

Operation Number	Description	Time
A40-16131-1	Install Trailer Hand Valve	1.0 hr

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 16131.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 16131 activity must be submitted by 02 November 2017 or within the normal warranty period for the component, if after 02 November 2017.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number ←

NOUN — Leave blank ←

C (CAUSE) — Enter either 1, 2, 3. (See below)

1. Inspected (No repair required).
2. Inspected and repaired.
3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40. ←

TYPE PART — Enter P for type part causing failure. ←

PAD — Enter 100 ←

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