Technical Bulletin

TB1706

Class: 1

Subject **Body Tip Bracket Inspection**

Series **V-Range - 651, 801.**

Release Date: 19.10.2016

ECM: 716577

Product Code: A/B

As part of a Johnston Sweepers safety campaign it is necessary to inspect the body tipping pivots for possible damage.

All effected V651 and V801 machines must have the two procedures outlined below completed. Previous V650 and V800 machines are not affected.

Step 1 - Inspection Procedure:

Safe working practices should be adhered to throughout.
Under no circumstances should work be carried out under an un-propped body.

1. On firm level ground with the hopper in the fully lowered position.
2. Using the response form at the end of this bulletin, fill in the machine details. This can be copied from the EQ plate at the rear of the machine.
3. Working under the rear of the hopper, clean the lower face of the body immediately behind the tipping brackets and inspect for any damage (cracking) in the areas highlighted on the response form - Note any damage and include photographs as applicable.
4. Raise the hopper fully and support on body prop.
5. Working under the propped body, clean the lower face of the body immediately in front of the tipping brackets and inspect for any damage (cracking) in the areas highlighted on the response form - Note any damage and include photographs as applicable.

Completed response forms must be submitted to: info@johnstonnorthamerica.com

Step 2 – Fitment of Reaction Beam.

In addition to this inspection a reaction beam must be installed as a safety precaution by following the fitting procedure outlined below.
The beam increases the torsional stiffness of the body and stabilises the tipping pivot brackets, when the vehicle is on uneven ground and when tipping.
Once fitted the reaction beam ensures that forces are equalised between the two tipping brackets to prevent overloading of one bracket when operated in extreme circumstances, for example where the body may be excessively loaded and/or being tipped on uneven ground.

Fitting procedure.

Safe working practices should be adhered to throughout.

1. Working with the body in the lowered position and accessing the brackets from the rear of the machine, remove the third bolt from the back on each tip bracket – See Figure 1.
   Note: Machines are fitted with either four bolt brackets or five bolt brackets, the reaction beam must always be fitted to the third bolt from the rear of the vehicle.

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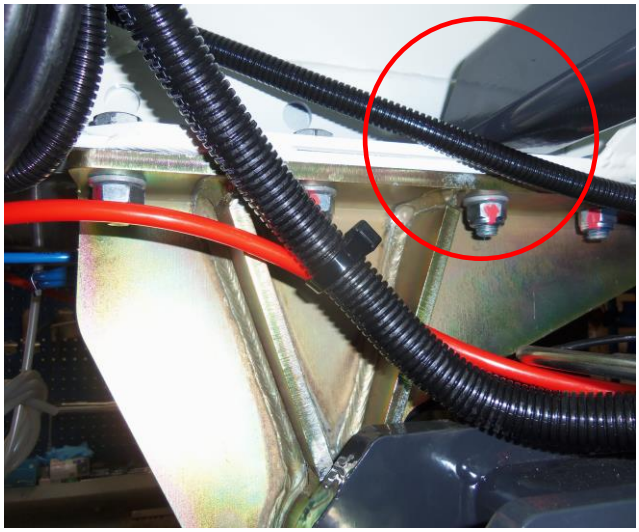

Figure 1 – Reaction beam fitted to left hand side of vehicle.

2. Ensuring the mating surfaces of the body are free from debris fit the reaction beam between the frames of the body and secure using the replacement fixings.
   Note: Ensure the washers are fitted the correct way around with the recessed face towards the adjacent fixing – See Figure 2.
3. Tightening fixings to 120Nm.

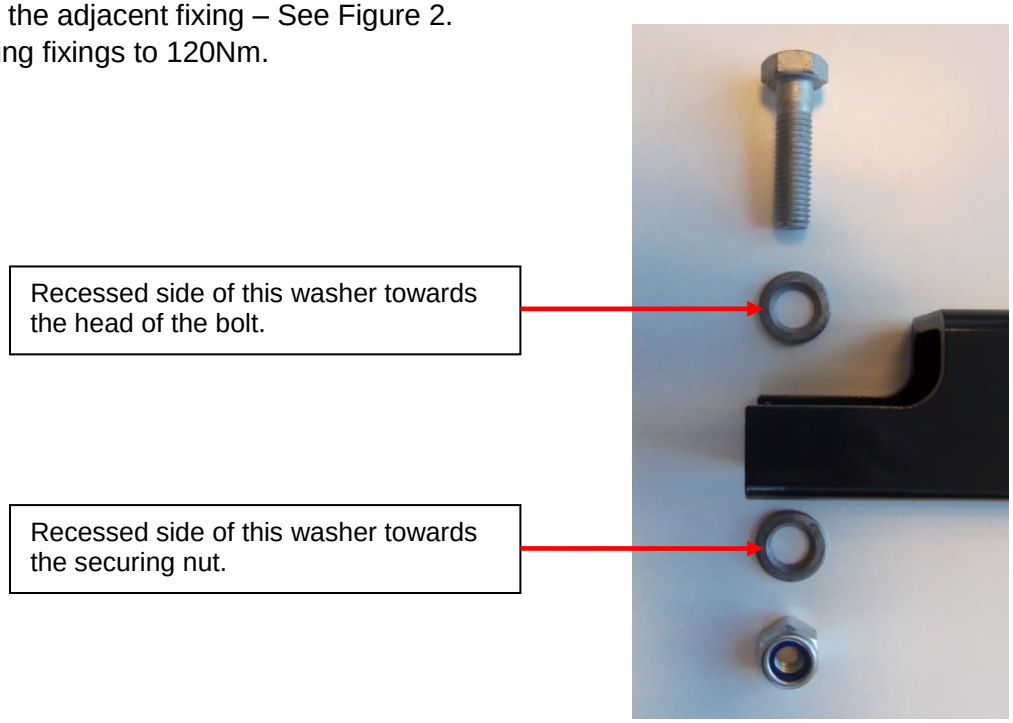

Figure 2 – Details for correct washer orientation.

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Product Code: A/B

Parts Required:

Part No.	Description	Quantity
7050345	Reaction Beam Retro-fit Kit	1

Tools required:
19mm spanner
19mm socket and ratchet
Torque wrench

Standard repair time:
Inspection: 40 minutes.
Fitting time: 20 minutes

This design improvement has been introduced in production from Manufacturing Sequence Number **16/7969.**

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INSPECTION OF TIPPING HINGES RESPONSE FORM

Customer ..... Date .....

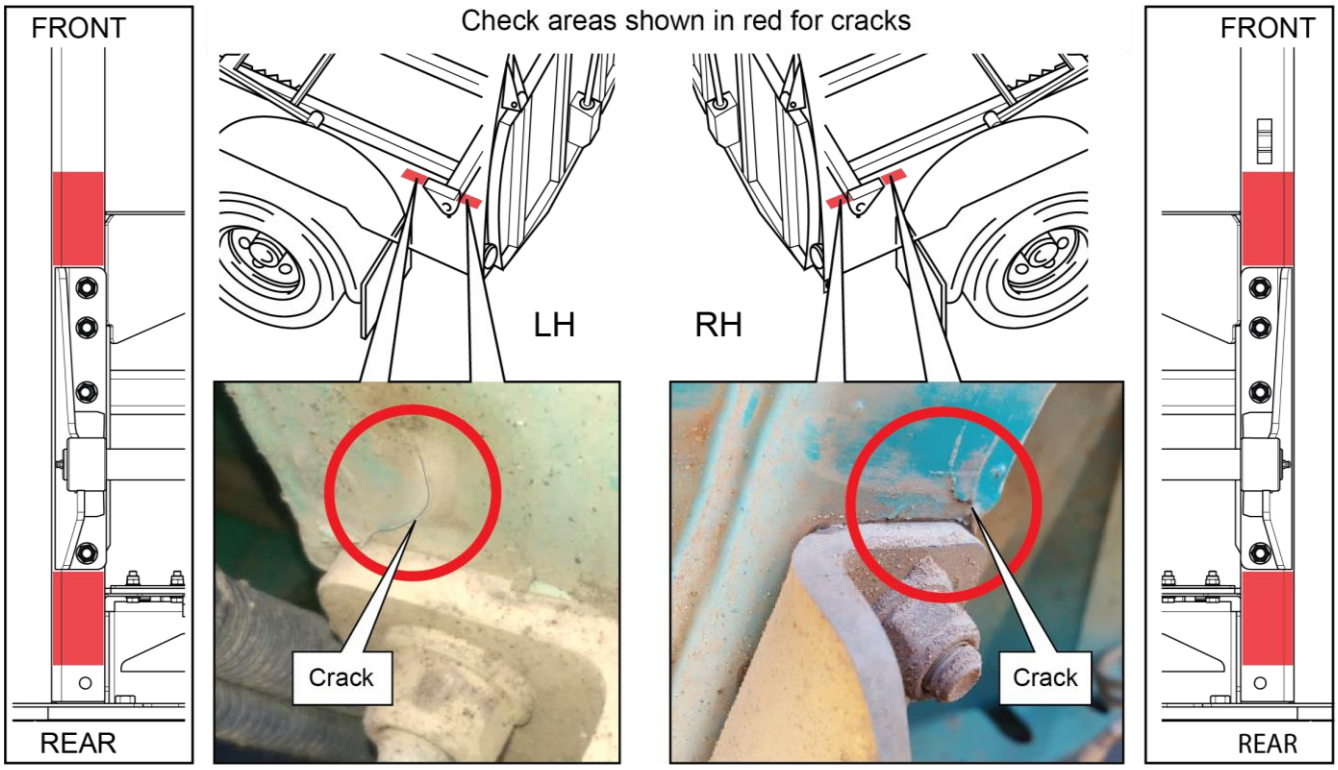
Chassis Type ..... Hourmeter Reading .....

Chassis Registration Number ..... Inspector .....

☐☐☐☐/☐☐☐☐☐☐/☐☐/☐☐☐☐ **Record the serial number from the plate located on the rear of the sub-frame.**

Inspection of Tip Hinges

1. Clean off area around tip hinges.
2. Confirm if the area around the tip brackets show signs of previous repairs - Yes ☐ or No ☐
3. Confirm the number of retaining bolts fitted to each tip bracket - Four ☐ or Five ☐
4. Inspect for cracks as detailed in the inspection procedure.



	LH			RH		
A. Tip bracket front	No Crack ☐	Hairline Crack ☐	Open Crack ☐	No Crack ☐	Hairline Crack ☐	Open Crack ☐
B. Tip bracket rear	No Crack ☐	Hairline Crack ☐	Open Crack ☐	No Crack ☐	Hairline Crack ☐	Open Crack ☐

Comments - To report any cracks found or other information.

☐ Tick this box if you are including photographs. (Please clearly reference them to this inspection).

TMS Tipping Hinges Inspection (C) Sheet REV 01 12/10/2016

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Class I = Immediate, **Class 2** = At next service point, **Class Info** = For parts and service information.

Changes on this document from the previous issue are shown in Blue Underscored Font.