

Bulletin No: **GSB1080**
 Business: Underground/Surface
 Date Issued: 06/03/2016
 Product: Wheel Loader & LHD
 Type/Model: 18HD and All Gen 2 Wheel Loaders

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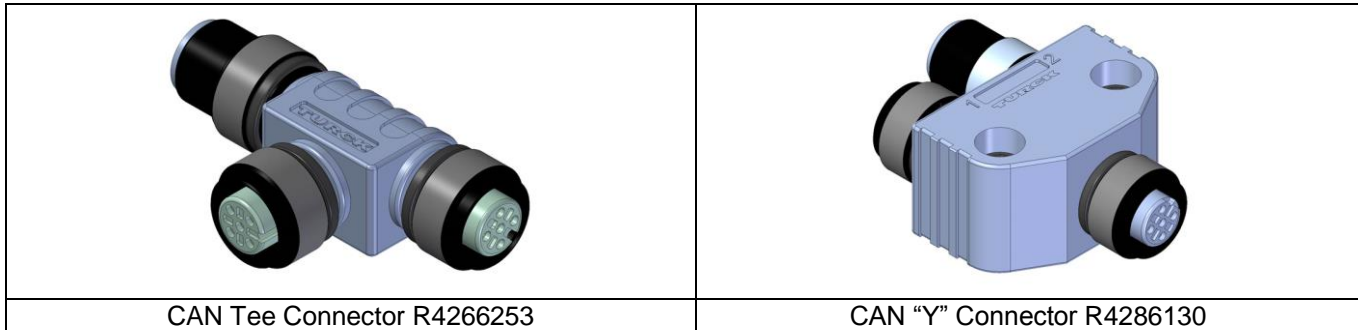
CAN “Y” R4286130 Replaces CAN Tee R4266253

INTRODUCTION:

Joy Global Wheel Loader Products team announces the release of a new CAN “Y” connector that replaces the traditional CAN tee connector used on Generation 2 wheel loaders and the LHD.

Joy Global received several field reports indicating low-hour fatigue failures of the CAN tee connector. Analysis determined that the flexing and stressing of the joints during normal machine operation caused the breaking of the pin connections internal to the molded injector. When the tee connector fails LINCS will display a yellow warning stating Cooling Pump ## Data Link Missing

Engineering released CAN “Y” connector R4286130 that has a better resistance to wear/tear from the existing conditions on the machine.



DISCUSSION:

CAN connectors allow the capability to add in multiple CAN devices into a common CAN network.

The CAN tees on the wheel loader are used in the following locations/subsystems:

- a) Operator’s Cab (located in the overhead) - Used for keypad.
- b) Operator’s Cab (located inside each joystick pod) – Feeder to joysticks and terminating resistor
- c) Rear Frame right side – Used to split between Engine Interface Cabinet and Cooling Pumps
- d) Rear Frame left side – Used to split between each of the cooling pumps (3 on L-1850/2350. 2 on L-1150/L-1350/)

The CAN tees on the LHD are used in the following locations of the rear frame:

- a. Steering Junction Valve
- b. Beside Engine
- c. Cooling Pumps

Standard Quantities per Machine

- L-2350 – 7
- L-1850 – 7
- L-1350 – 6
- L-1150 – 6
- 18HD – 4

The CAN tee connector, R4266253 is now discontinued and replaced by the CAN “Y” connector R4286130

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RECOMMENDED ACTIONS:

All service centers and customers are to replace any CAN tee R4266253 failures with the new CAN “Y” R4286130 connector.

For securing purposes, the CAN “Y” connector can be tie-wrapped to existing cabling.

Customers and Service Centers should consider replacing the CAN tee connectors with new CAN “Y” connectors during a planned maintenance period.

Failures on machines under warranty and parts failures under service parts warranty will be considered for warranty consideration.

Please contact your Joy Global representative with any questions regarding this information.