

P4 ICU TRAILER DISCONNECT WARNING



[Mark Monroe](#) 10 posts since Dec 14, 2014

P4 ICU TRAILER DISCONNECT WARNING Oct 14, 2019 2:30 PM

I have a customer stating the warning from the icu comes on as if the king pin release switch was pressed stating to lower the lading gear and disconnect the trailer air lines comes on while driving bobtail or with a trailer. Its randomly happening. This is on multiple trucks. Has anyone else had this issue? Could not duplicate. The warning comes on and shuts off after 1 min with normal operation. Also no codes present.

Tags: p4 new cascadia, icu warning



[Jon Cecil](#) 848 posts since Nov 25, 2014

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 14, 2019 5:03 PM

Can you post a VIN so we can see what unit you are working with? What have you looked at for troubleshooting? Are there any logged faults in DiagnosticLink? Is the fifth wheel adjusted correctly? I know you said it happens when it bob tails but have you tried duplicating it with a trailer?



[Mark Monroe](#) 10 posts since Dec 14, 2014

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 14, 2019 6:03 PM

KC5481. Test drove with out a trailer. Checked service lit and solutions. I only have this unit here. Speaking with customer they have others but are not wanting to pull them in until a repair is found. The customer did just rebuild the 5th wheel jaw kit and blade. But isn't the warning logic built to come on when the king pin release was pressed?



[Jon Cecil](#) 848 posts since Nov 25, 2014

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 14, 2019 6:28 PM

Looking up information on the logic. I didn't find much in the manuals. I'm wondering if wire 170Y is shorting to ground. Have you gotten the message to show up in the shop bob tailing? I don't think the message should display unless that switch is depressed unless the 170Y wire is shorting to ground. Hope this helps some.

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Air-Activated Kingpin Unlock

1. Verify that both the yellow parking-brake and red trailer-air supply knobs are out, the tractor and trailer parking brakes are set, and that the trailer is prepared for uncoupling.

NOTE: The kingpin release will not actuate if the switch is pushed for less than 3 seconds, the vehicle is moving, or the parking brake is not set. Unless all these conditions are met, the trailer is not uncoupled and an alert is shown on the driver display.

2. Push and hold the kingpin release switch ([Fig. 18.9](#)) for a minimum of 3 seconds. The system will apply air for 20 to 30 seconds to ensure the kingpin unlocks. When the kingpin is unlocked, a notification is displayed; see [Fig. 18.10](#) .
3. Release the tractor parking brake.
4. Drive out from under the trailer.

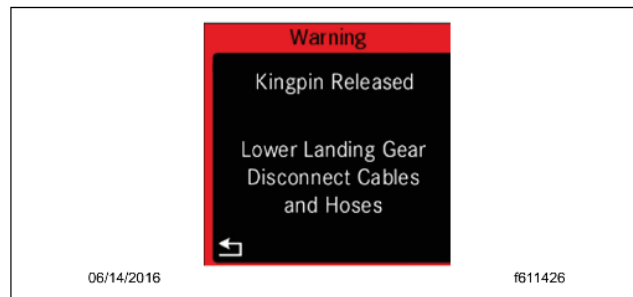
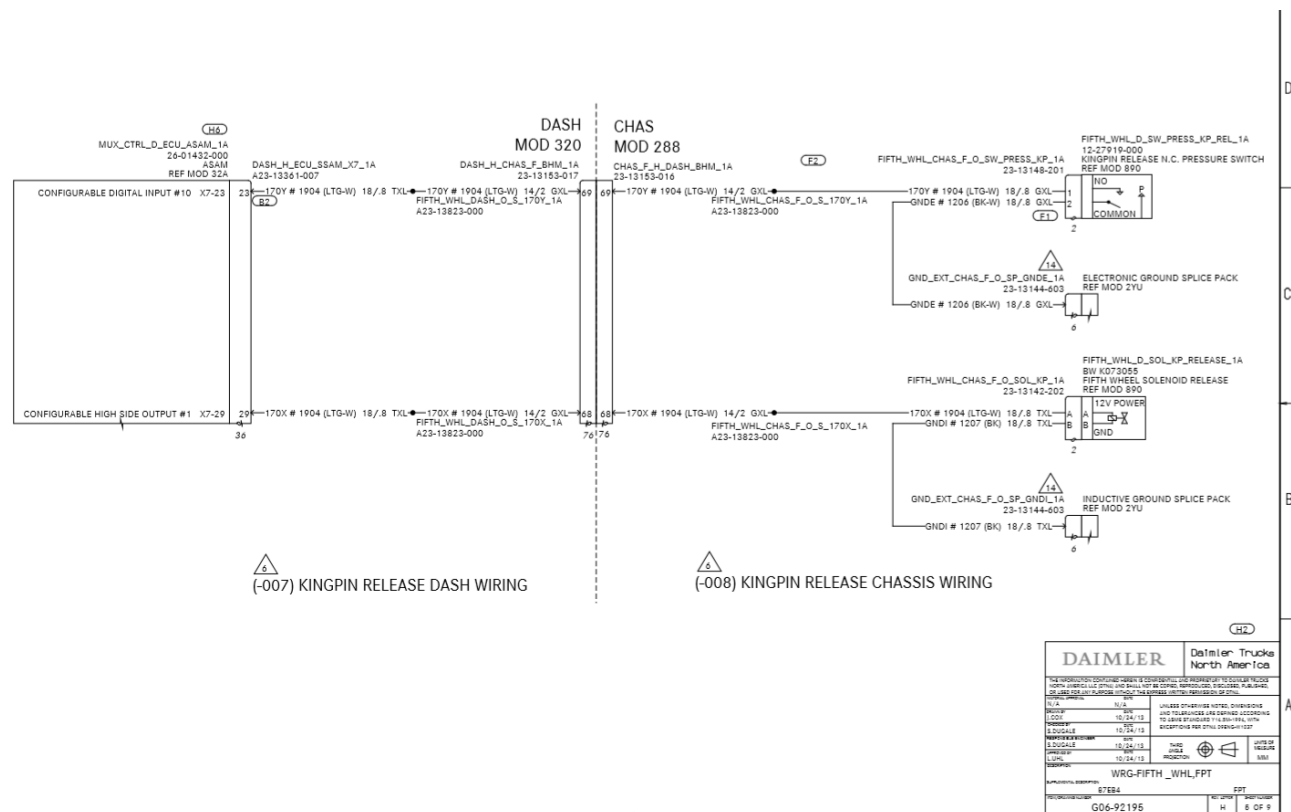


Fig. 18.10, Kingpin Release Alert Screen

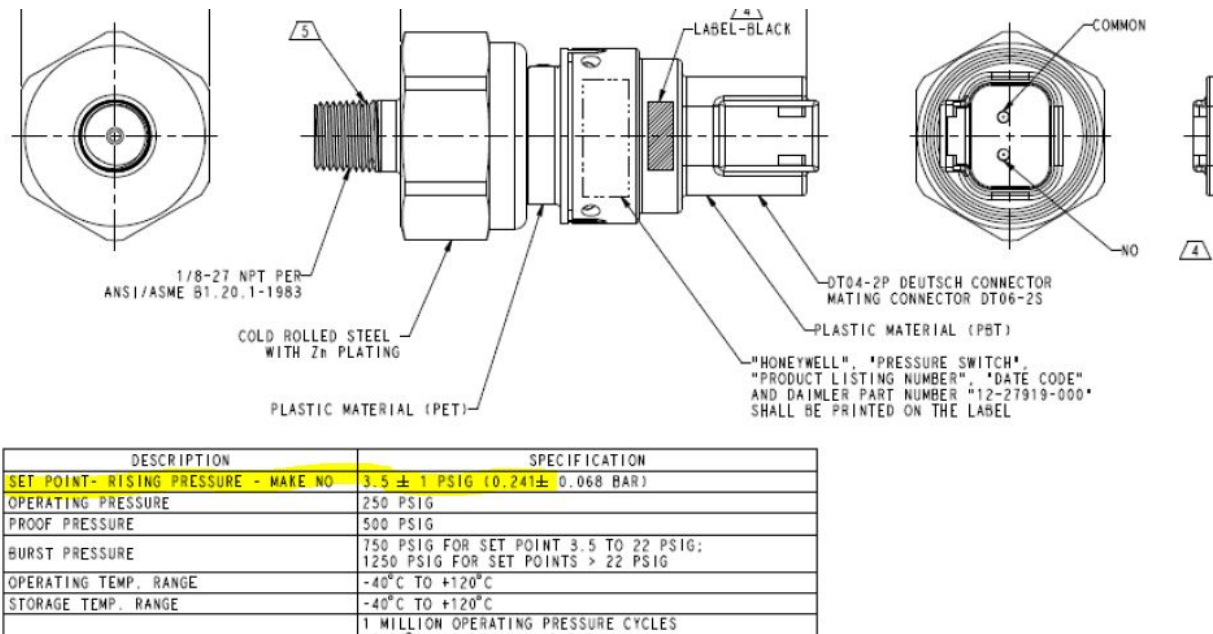


Michael Palumbo 1,455 posts since Nov 13, 2014

P4 ICU TRAILER DISCONNECT WARNING

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 15, 2019 3:29 AM

170Y shorting makes a lot of sense. With multiple units having this issue, my second and third thoughts would be a bad batch of switches or the solenoid isn't bleeding all residual pressure after the release times out. That switch only needs 3.5psi +/- 1psi to close. That's not much.



Mark Monroe 10 posts since Dec 14, 2014

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 15, 2019 6:30 PM

I will have to check that next time it rolls through. The Truck had to go.



Trey Regar 21 posts since Feb 3, 2015

Re: P4 ICU TRAILER DISCONNECT WARNING Oct 12, 2020 4:43 PM

im a little late to the party, but wondering if anyone ever found a common issue with this complaint?

have a brand new schnieder unit in the shop now with this complaint. don't feel safe releasing the vehicle until something is fixed on it