

DT-12 WILL NOT GO INTO GEAR



[Richard Bundy](#) 19 posts since Feb 8, 2015

DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:48 PM

i have a 2015 cascadia with a dt 12 vin GJ2543 THE TRANS WILL NOT GO INTO GEAR KEEPS GETTING A FAULT CODE FOR SPEED SENSOR ERRACTIC . UNIT SEE'S SPEED AND THE SIGNAL COMES FROM THE 1939 3

AFTER UNIT RUNS FOR 10 MINUTES .I'VE TRIED EVERYTHING THAT I CAN THINK OF TO GET THIS FAULT TO GO AWAY IT WILL NOT .WENT THRU POWERS AND GROUNDS . TESTED ALL DATA LINKS ALL GOOD .UNPLUGGED MODULES IN THE UNIT I THINK I HAVE EXHAUSTED EVERYTHING . PERFORMED ALL CSC TESTS AND FREIGHTLINER TESTS. THE CSC HAS NO CLUE WHAT COULD BE CAUSING THE ISSUE ANY BODY HAVE ANY IDEAS FOR THIS ISSUE ? OR HAVE ANY OF U RAN INTO IT

- [\(3AKJGLD58FSGJ2543\) 5-5-2020 0818.40.DrumrollLog](#) 1.1 MB



[James McFadden](#) 156 posts since Dec 9, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 3:07 PM

have you tried a overlay for the speed sensor?. I know they had some issues with opt idle where it would pickup interference in the speed sensor harness and kill the cranking of the eng and faulted for safety loop. that have a inline resistor harness to fix that problem ..



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 3:13 PM

DT 12 SPEED SENSOR READS FROM PT CAN . WE INSTALLED NEW ONE ALREADY



[James McFadden](#) 156 posts since Dec 9, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 3:21 PM

have you tried swapping a cgw as its the translator for all modules and is monitoring j1939



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 3:26 PM

YES SWAPPED OUT ABOUT ALL OF THE MODULES IN THE TRUCK EXCEPT FOR SAM CAB AND SAM CHASSIE MODULES .STILL HAS THE SAME ISSUE .WE OVERLAYED THE PT CAN TO THE TCU STILL HAD THE SAME RESULTS



[Kyle Siebert](#) 4,010 posts since Nov 14, 2014

DT-12 WILL NOT GO INTO GEAR

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 3:46 PM

What's the SPN/ FMI and ECU setting thus code?

Can you attach a log file, of this issue, to the post or comment section



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 5:46 PM

SENT U EMAIL WITH LOG FILE ATTACHED



[Jon Cecil](#) 852 posts since Nov 25, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 4:50 PM

Have you been able to get the unit into gear at all since its been at your location? Have you checked the shift aborts? I'm wondering if the split pin is stuck and the fault is just another failure. Like Kyle said, possibly attach log file of unit.



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 5:46 PM

JUST HAD SPLIT PIN REPAIR, NEW CLUTCH,TCU,SHIFTCONTROLLER.COUNTERSHAFT BRAKE RESEAL



[Jon Cecil](#) 852 posts since Nov 25, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:02 PM

Was the problem happening before all the work was done?



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:04 PM

NO FROM WHAT THE CUSTOMERS SAYS



[Jon Cecil](#) 852 posts since Nov 25, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:32 PM

Did the customer provide the reason all that other work was done? Have you inspected the wiring to the output speed sensor from the TCU?



[Jon Cecil](#) 852 posts since Nov 25, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:43 PM

I see you had 520995/14 active as well.

DT-12 WILL NOT GO INTO GEAR

Look at [521041/14 Clutch Type parameter](#)

Reprogramming to older software might be the fix all with this



[Kyle Siebert](#) 4,010 posts since Nov 14, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 6:48 PM

Thank you for the email. I attached the log file to the main post.



[Kyle Siebert](#) 4,010 posts since Nov 14, 2014

Re: DT-12 WILL NOT GO INTO GEAR May 19, 2020 10:28 PM

Not a big fan of this step to on how do check. I have had a similar diag session say this and found it interesting to figure out, if I did.

DT-12 WILL NOT GO INTO GEAR

UDS-3 TCM01T - Transmission Control Module MY2013

Device Configuration

Software Mode Running in Application

Device Information

Software Version NAMT076100
Diagnostic Version 10
ECU Serial Number 0000000001270654895
Hardware Part Number A050 446 31 09 ZGS 002
Software Part Number A050 448 04 09 ZGS 002

Vehicle Identification

VIN 3AKJGLD58FSGJ2543
Transmission Type DT12 OA
Clutch Type K4
Clutch Actuator Type CPCA SAE1

21.29.1 SPN 520995/FMI 14

TCM Transmission Type Error

Check as follows:

[Show/Hide Checkbo:](#)

- ☐ Connect DiagnosticLink®.
- ☐ On the identification screen under TCM, ensure the transmission type is set correctly according to the actual model number location on the transmissions identification tag located on the rear of the transmission. Is the transmission type set correctly?
 - ☐ Yes; [Go to step 5.](#)
 - ☐ No; [Go to step 3.](#)
- ☐ Using the Actions Transmission routine, execute Transmission Control Module (TCM) replacement option. Ensure transmission type is set correctly.

Trans S/N First 6 - Germany Trans S/N First 6 - Detroit Torque Rating Trans Type - US Trans Type - Germany

715354	716300	1450	DT12-DB	G211
715364	716310	1650	DT12-OB	G230
715374	716320	1750	DT12-DA	G281
715384	716330	2050	DT12-OA	G330

D=DIRECT DRIVE

O=OVER DRIVE



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR May 28, 2020 10:24 AM

i've DONE THIS ALREADY PLEASE LOOK AT THE LOG FILE ATTACHED IT SHOWS WHY IT WON'T SHIFT INTO ANY GEAR



[Jesse Gutierrez](#) 432 posts since Mar 5, 2017

Re: DT-12 WILL NOT GO INTO GEAR May 20, 2020 5:20 PM

I would double check my 21pin tcm connector from the chassis side and verify all the pinouts are correct I had a similar complaint I cant find the posting but you may have a wire incorrectly install at the 21 pin... I will update this post once I find the SS

DT-12 WILL NOT GO INTO GEAR



[Troy Schroeder](#) 1 posts since Jul 15, 2019

Re: DT-12 WILL NOT GO INTO GEAR May 27, 2020 7:14 PM

Check to make sure the tcu is of the correct epa level. We have had reman trannys come with the tcu and it would not shift because it was the wrong epa level. Ended up having to put the old tcu back on and it worked.



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR Jun 1, 2020 11:22 AM

the trans failed causing issue . replaced trans and put all together
shifts good no more issues with truck



[Jesse Gutierrez](#) 432 posts since Mar 5, 2017

Re: DT-12 WILL NOT GO INTO GEAR Oct 29, 2020 8:15 PM

The complete trans failed or just the shift controller ?



[Richard Bundy](#) 19 posts since Feb 8, 2015

Re: DT-12 WILL NOT GO INTO GEAR Oct 30, 2020 10:13 AM

whole trans got replaced