



DTNA Solutions > Discussions and Feedback > Tech Talk
> PTO PARAMETER DT12 TRANSMISSION 49X 2021 WU7373

Options



Felix_Thibodeau
Apprentice

05-07-2021 05:29 PM

PTO PARAMETER DT12 TRANSMISSION 49X 2021 WU7373

✓ Jump to solution

Vehicle Information

VIN: 5KJJBWD19MLMU7373

Mileage: 536 kilometers

Model Year: 2021

Are you currently seeing this same issue on other DTNA vehicles at your location?:
no

Make: WST

Base Model: 49X

Model: WESTERN STAR 49X

Vehicle Systems Involved

OTHER SYSTEM (parameter transmission)

Hi, my customer buy 49x 2021 with new dt12. I plugged the PTO on pto1 switch and I put the PTO on rear of the transmission. He needs to move with the truck (maximum 20 km/h) when PTO is engaged. I read the document (pto programming in DTNA body builder guide). I disable pedal lock in parameter (in DL8)(section 79L in the pto programming guide). I enable parameter of pedal lock in the CPC.

The pto engage normally when my shifter is on NEUTRAL position,(parking brake release) but when I put the shifter on DRIVE position the pto disengage immediately.

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Somebody knows which parameter should I change so that my pto stay engage when I put shifter on DRIVE position?

Thanks.

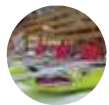
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2 Solutions ✓



Scott_Trippel
Optimus Prime

05-10-2021 06:54 AM

☒ I think it is possible to build a logic set in CHEC for this. email CHEC support for help

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Pat_Moran
Grease Monkey

05-11-2021 07:30 AM

✓ Felix, Your English is fine. Some of these new features and concepts are difficult to understand in any language

My comments earlier were regarding rear PTO, but I see the same restraints apply to bottom PTO. Pages 9 and 14 apply. Stationary or launch gear only. Since DT12 calculates the correct starting gear when shifted from N to D (launch gear), that range could be from 1st to 5th gear. Whatever gear it launches in from that point is the only gear available. Manual upshifts will not be allowed. Not sure about the throttle, but I think you would need throttle for dump trucks or other applications with hydraulics. The call center is growing their PTO support capabilities. Might be worth giving them a call to discuss

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Brett_Hall1
Wrench Turner

05-08-2021 07:02 AM

check ghg 14-17 electronic controls application and installation manual. section 11.1 appendix b min and max road speed in pto mode, min max torque pto mode, min max engine speed in pto mode,

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Felix_Thibodeau
Apprentice

05-10-2021 12:22 PM

where you find this document ?

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0 Kudos

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Blake_Austin1
Knuckle Buster

05-09-2021 04:10 AM

There is also a park brake position parameter that will disengage the pto when the park brake is released.

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 Pat_Moran
Grease Monkey

05-10-2021 06:12 AM

Rear PTO on a DT12 is stationary only, not meant for rolling applications. You can program the PTO to stay engaged with the park brake released for applications like a walking floor trailer that pushes the vehicle forward as it unloads. Putting the transmission into gear causes the PTO to drop out

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 Felix_Thibodeau
Apprentice

05-10-2021 12:21 PM

Where you find this information ?

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 Scott_Trippel
Optimus Prime

05-10-2021 12:36 PM

You can find it by starting at
DTNA Connect > Detroit Service information > Service info page > EIBS
and A & I Manuals > Electronic A & I Guides > Detroit Transmission
Electronic

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 Pat_Moran
Grease Monkey

05-10-2021 01:59 PM

Best source of PTO information is in DTNA Connect/Body Builders
guide/PTO corner. The document is DT12 PTO installation guide. See page 1
and page 9 for a revised rule that allows stationary and launch gear
operation. Still would not provide the 20 KPH your customer is looking for

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 Felix_Thibodeau
Apprentice

05-10-2021 05:39 PM

hi i read the document in body builder guide pto installation 3 times. I see de launch gear pto is available for rear and bottom configuration when you have citrine(ceea+). I don't understand clearly what is the launch gear pto (sorry I speak French normally my English is good but not perfect).

When you are in launch gear pto mode. I understand I can't shift with the truck, but can I have throttle on the accelerator pedal?

Where you see in moving with truck is only available with de bottom configuration? (page 9 or page 13)?

Thanks for you're time

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 Pat_Moran
Grease Monkey

05-11-2021 07:30 AM

☒ Felix, Your English if fine. Some of these new features and concepts are difficult to understand in any language

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Hugo_Martinez

Lube Tech

05-11-2021 03:11 PM

hi this is a mechanic from freightliner shop with a little experience
im seen this conversation related with dt-12 transmission and pto
issue;

i want to add some thin else if you guys are permitted to participate
on the situation

i recommended first to inspect a split pin bushing with old style;
because most of 50% of the problems on dt-12; come with old style
on split pin bushing

if this is the problem ; just replaced for new version on split pin
bushing

Split pin bushing old style bring a lot problem on dt-12 trans.

check for max.1" measurements. on clutch assy

check for some thin weird as broken metal also check for cpc
if everythin is ok; Just replace a new version on split pin bushing

;;;;GBY

i hope this help you guys. Thanks again to let me participate

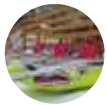
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Scott_Trippel
Optimus Prime

05-10-2021 06:54 AM

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Scott_Trippel
Optimus Prime

05-13-2021 11:11 AM



These are the logic sets in CHEC for MU7373 in XMC 1



Contact CHEC support, XMC 1 logic sets are not editable, you mat need to make a logic set from XMC3 to set your desired speed?

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Felix_Thibodeau
Apprentice

05-13-2021 12:03 PM

scott, do you know how i contact CHEC support ?

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