

Search all content

DTNA Solutions > Discussions and Feedback > Tech Talk > Integrated Predictive Powertrain Control IPPC01T I...

Options



ProAm

Knuckle Buster

05-11-2021 05:29 PM

Integrated Predictive Powertrain Control IPPC01T location

Vehicle Information

VIN: 3AKJGLD57GSGU0030

Mileage: 628717 miles

Model Year: 2016

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

Make: FTL

Base Model: CA125SLP

Model: CASCADIA 125 INCH SLEEPERCAB

Vehicle Systems Involved

POWER TRAIN

ROLLOVER

OTHER SYSTEM (Integrated Predictive Powertrain Control IPPTC)

ELECTRICAL

ESC RSC

VEHICLE SPEED CONTROL

1. Where is the IPPC* located?
2. How(where) can I look for module locations?

I have "**Integrated Predictive Powertrain Control IPPC01T: Auto-connect failed**" with no error code

↑ Top

* Integrated Predictive Powertrain Control

Add tags



0 Kudos

Reply

[All forum topics](#) [< Previous Topic](#) [Next Topic >](#)

10 Replies

Sort:



Keith_Krebs

Piston Head

05-12-2021 04:47 AM

In the service manual, section 54.02.050, ELECTRONICS BAY OVERVIEW, gives a good layout of the components in the E-bay.

Add tags



2 Kudos

Reply

[↑ Top](#)



ProAm
Knuckle Buster

05-12-2021 10:37 AM

Thanks Keith_Krebs
I couldn't find it - **where exactly is the service manual located at?**
It would be great if you could send a link to me...

Add tags



0 Kudos

Reply



Keith_Krebs
Piston Head

05-13-2021 03:52 AM

In DTNA, vehicle info, put in your VIN, then in vehicle literature. All the manuals are there.

Add tags



1 Kudo

Reply



ProAm
Knuckle Buster

05-14-2021 07:18 AM



↑ Top

Thanks [Keith_Krebs](#),

Unfortunately - I don't have it at DTNA > vehicle info > Manuals.

Do you have a pdf by chance?

Here is what I've got at Manuals:



VEHICLE INFORMATION

Lookup Type

Input

Serial No (6 digits)

gu0030

Vehicle Specifications

Vehicle Literature

Manuals

Heavy Duty Aftertreatment Failure Guide (DDC-SVC-MAN-0208)

EPA07 10 GHG14 Exhaust - EGR - ATS Manual (DDC-SVC-MAN-0083)

DD Platform Heavy Duty Cylinder Kit Inspection Guide (DDC-SVC-MAN-0199)

DD Platform Bearing Failure Guide (DDC-SVC-MAN-0196)

EPA07 10 GHG14 DDEC VI 10 Electronics and Troubleshooting Manual (DDC-SVC-MAN-0084)

EPA07 10 GHG14 Fuel Manual (DDC-SVC-MAN-0082)

EPA07 10 GHG14 Engine Manual (DDC-SVC-MAN-0081)

EPA07 10 GHG14 General Information Preventative Maintenance (DDC-SVC-MAN-0080)

GHG14 17 DDEC Electronic Controls A I Manual (DDC-SVC-MAN-0127)

GHG14 DD Platform A I Manual (DDC-SVC-MAN-0132)

DD Platform Operators Manual (DDC-SVC-MAN-0189)

Detroit Transmissions Manual (DDC-SVC-MAN-0140)

Transmission Fluid Service Information (DDC-SVC-BRO-0118)

Detroit Transmissions Electronic A I Manual (DDC-SVC-MAN-0128)

Add tags



0 Kudos

Reply

↑ Top



Keith_Krebs

Piston Head

05-13-2021 04:40 AM



7 Intelligent Powertrain Management ECU

Powertrain CAN Starpoint Connector

14

Component locations are specified in this section by highlighting the applicable ECU on the following electronics bay icon :

07/22/2016

f546423

Table 2, Electronics Bay Icon

Most electronics bay ECUs are not mounted with connectors, but use a pressure and hook system. ECU use this system have one or two spring clips on the back of the ECU. See Fig. 1. When the ECU is inserted into an electronics bay shelf, the spring clips create forward pressure against tabs on the front of the bay shelf, the spring clips are seated into slots at the front of each electronics bay shelf.

06/10/2016

f546469

Fig. 1, ECU Spring Clips

54.02.050 Electronics Bay Overview

The electronics bay is located behind the passenger-side dash panel, and contains most of the electronic control units (ECUs) on the vehicle.
Some ECUs may require software programming when replaced, which in most cases can be achieved by connecting the vehicle to DiagnosticLink. Refer to the applicable subject in this section for more information.
The central gateway (CGW) is mounted to the bottom of the electronics bay, and is covered in Section 54.10 of this manual.

NOTE: The electronics bay image shows all components installed. In a typical configuration, not all electronics bay slots will be populated.

NOTE: The common telematics platform (cTP) ECU is designated for future development. On some pe-series vehicles, a Virtual Technician ECU is installed in the first expansion slot (ref. 4).

07/25/2016

946313

1 Truck Data Center Antenna

2 Chassis CAN Starpoint Connector

3 Common Telematics Platform ECU

4 Expansion Module

5 Expansion Module

6 Electronically Controlled Air Suspension ECU

8 Common Powertrain Controller ECU

9 Antilock Braking System ECU

10 Cabin CAN Starpoint Connector

11 Central Gateway

12 Video Radar Decision Unit ECU

13 Expansion Module

https://www.dtnasolutions.com/t5/Tech-Talk/Integrated-Predictive-Powertrain-Control-IPPC01T-location/m-p/566813/page/2

6/9

↑ Top

Add tags



0 Kudos

Reply



Keith_Krebs

Piston Head

05-14-2021 08:11 AM

It is in the new Cascadia manual. I am not sure why you do not have those available to you. I am sorry I do not have as a PDF. If someone else can jump in to assist, thanks.

Add tags



1 Kudo

Reply



Brett_Hall1

Wrench Turner

05-14-2021 10:22 AM



ippc diagnostics

Add tags



ippc diag.pdf

430 KB



↑ Top



1 Kudo

Reply



Brett_Hall1

Wrench Turner

05-14-2021 10:33 AM



Add tags



1 Kudo

Reply



ProAm

Knuckle Buster

05-14-2021 08:50 PM

Many thanks [@Brett_Hall1](#)

Add tags

[↑ Top](#)



0 Kudos

Reply



Brett_Hall1
Wrench Turner

05-14-2021 10:48 AM

try turning ignition or battery switch off for 5 minutes and let all modules power down.
then turn back on to see if it reconnects

Add tags



1 Kudo

Reply



Sorry, either you cannot reply to this topic or you have not verified your email address by clicking on the verification link in the email we sent you when you registered. If you did not receive an email from us, or need us to resend it, please visit your [User Profile page](#).

Post Reply

Powered by

Khoros

Copyright © Daimler Trucks North America LLC. All rights reserved. Daimler Trucks North America LLC is a Daimler company.

[Privacy Statement](#) • [Legal Notice and Terms](#)

[↑ Top](#)