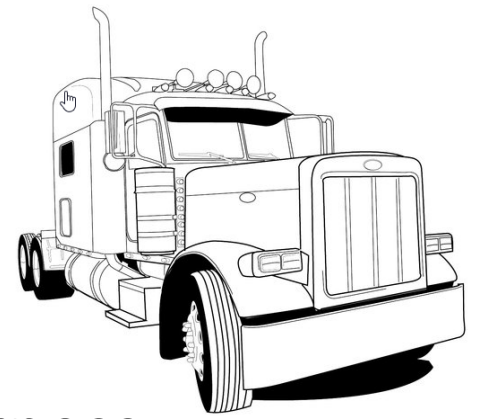


New Universal Harness



- OBDII Y-Harness



- 9-Pin Y-Harness



Quick Chat!

OBD-II

- This wire protocol is common in light duty vehicles.
- It has been seen in some Hino straight trucks, but these vehicles also have J1939 on a 9-pin port.
- It is also likely used on Volvo & Mack heavy duty trucks with the J1962 OBD style connector (in addition to J1939).
- Since 2008 all cars have been required to use OBD-II on the CAN physical protocol.
- Older vehicles may use other physical protocols, including J1850 PWM, J1850 VPW, ISO 9141-2 (aka K-line), and KWP2000.

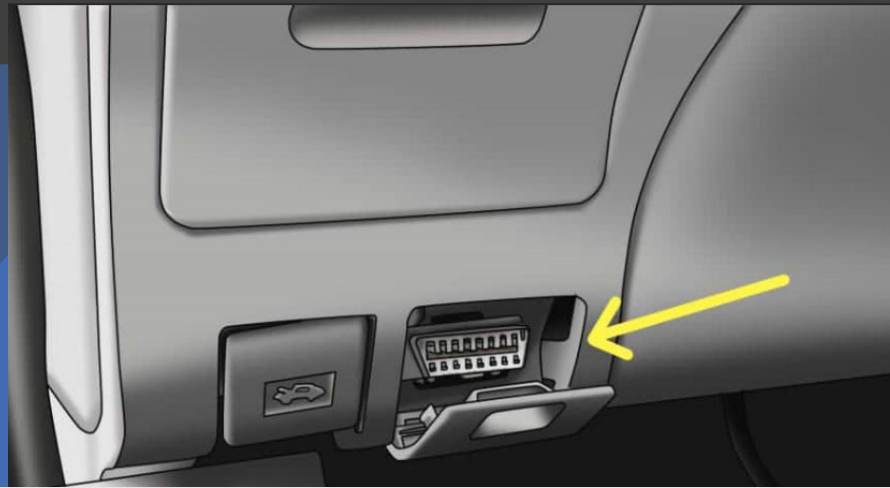


Deutsch 6-pin

- This connector type has pins for J1587 over J1708. It is a less common connector but still exists
- As late as 2005 (and possibly later).

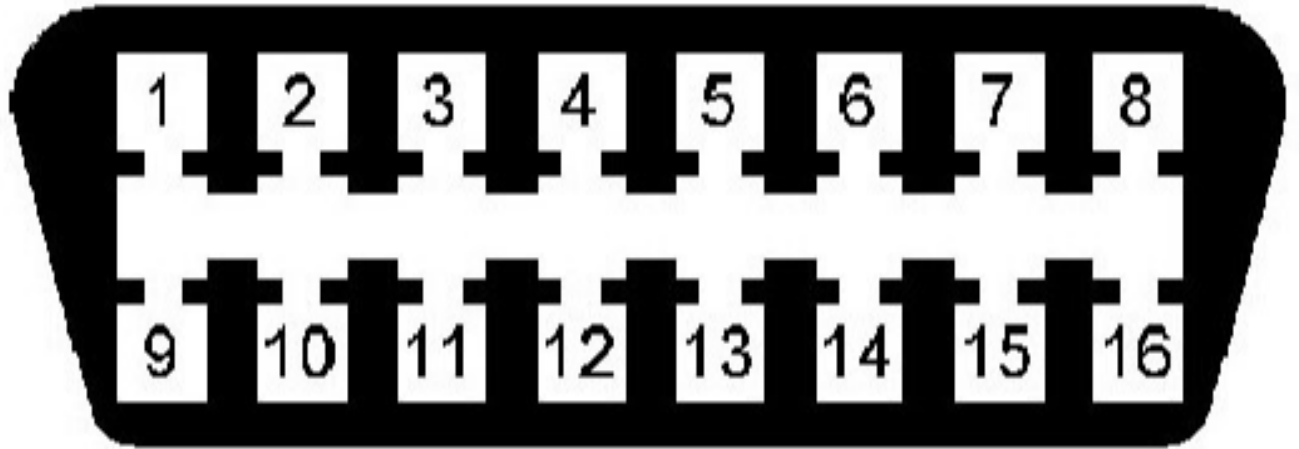
Deutsch 9-pin

- This connector type has pins for J1939 over CAN, and J1587 over J1708.
- Additionally there are manufacturer specific protocols on the other pins.
- There are two subtypes of the connector, “Type I” and “Type II”.
- The Type II connector is green colored (vs. black) and it supports 500K CAN on pins C and D (vs. 250K CAN).
- There is a plastic pin sizing change to ensure that a Type I tool cannot be connected to a Type II vehicle connector, thus preventing the possibility of a baud rate mismatch.



OBDII Y-Cable New Universal

OBDII Y-Cable New Universal



PIN	DESCRIPTION	PIN	DESCRIPTION
1	Vendor Option	9	Vendor Option
2	J1850 Bus +	10	j1850 BUS
3	Vendor Option	11	Vendor Option
4	Chassis Ground	12	Vendor Option
5	Signal Ground	13	Vendor Option
6	CAN (J-2234) High	14	CAN (J-2234) Low
7	ISO 9141-2 K-Line	15	ISO 9141-2 Low
8	Vendor Option	16	Battery Power

New Option for OBDII Cable



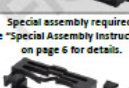





- 6pin Molex to choose for OBDII or OBDII HD
-
- HD=Heavy Duty Vehicles
-
- -Mac, Volvo, Isuzu, Hino etc.. Large Commercial



Inputs and
Outputs still
available on
the harness
Same with
connections
for Driver ID &
RFID



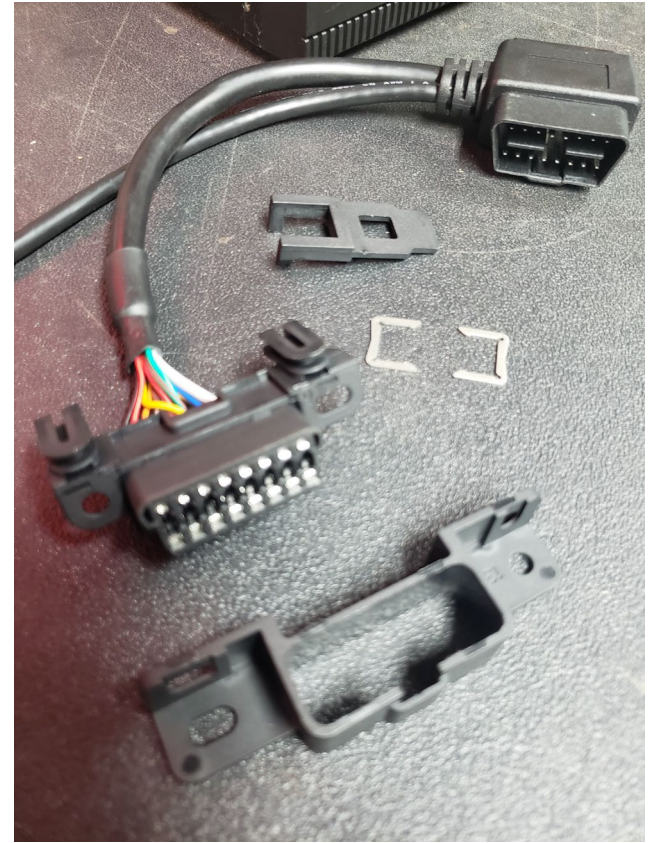
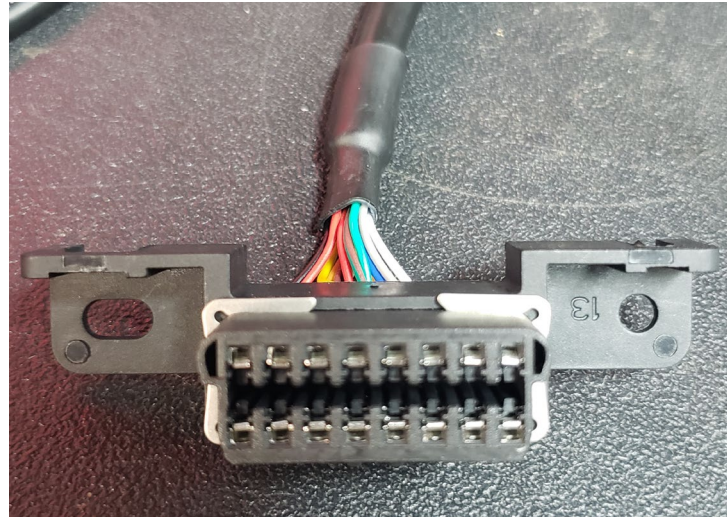
Item No.	For	Picture	With Core Connector Assembled	Equivalent to
8	Ford	 <small>Special assembly required. See "Special Assembly Instructions" on page 6 for details.</small>		
9	BMW			
10	Ford GM			
11	Ford GM Chrysler			
12	Toyota Hyundai Kia Ford Land Rover			
13	Ford			
14	Iveco			
15-1 & 15-2	Citroën	 <small>Special assembly required. See "Special Assembly Instructions" on page 6 for details.</small>		

Adapters				
Item No.	For	Picture	With Core Connector Assembled	Equivalent to
1	Volvo			
2	Chrysler Hyundai			
3	BMW			
4	Mercedes BMW			
5-1 & 5-2	Fiat Citroën Peugeot	 <small>Special assembly required. See "Special Assembly Instructions" on page 6 for details.</small>		
6	Volkswagen Audi			
7	Honda			

16 different choices for OBD Bracket

Choose your correct adapter, use metal clips to lock in adaptor. A removal tool is included.





Any questions?



9-Pin Y-Cable New Universal

Please note that **as of December 16th, 2019, all devices *must* be set up as ELD.** As of that date, the grandfathering provision is no longer in effect.



6-Pin – 6to9 adapter Type 1
9-Pin – Black Type 1 – Green Type 2 –
Green Type 2 Paccar (check door jam)
**Don't forget the 10FT 9-Pin Type 1



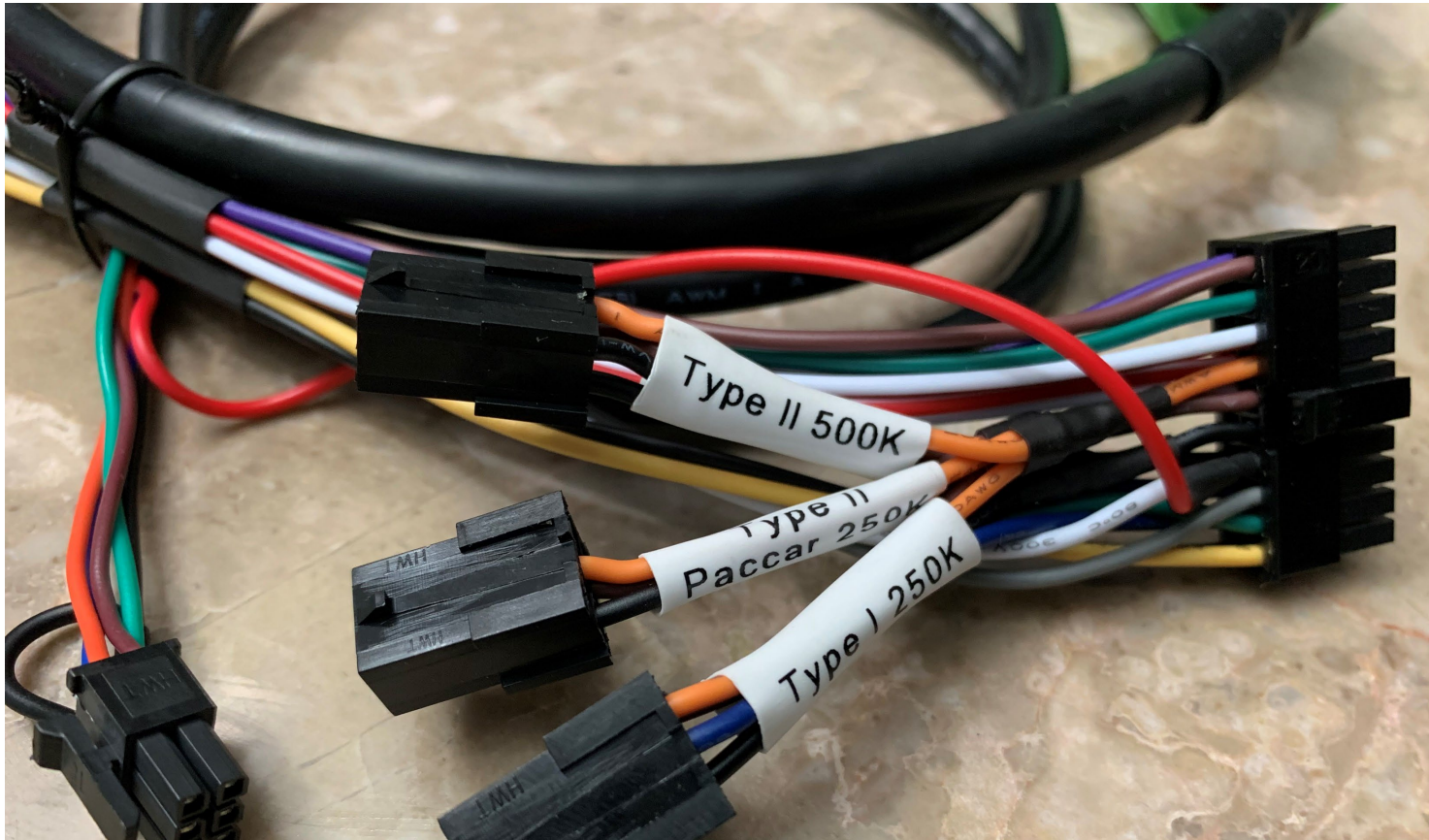
Type II PACCAR



2017 2018 Kenworth with either a **Paccar** or **Detroit** diesel engine / 2017 2018 Peterbilt with either a **Paccar** or **Detroit** diesel engine

Here is a breakdown of the effected VINs showing the truck engine and year

First 3 digits	<u>8th digit</u>	or	8 th digit	<u>10th digit</u> or 10 th digit
I XK = Kenworth	P = Paccar engine		D = Detroit engine	H = 2017 J = 2018
1 NK = Kenworth	P = Paccar engine		D = Detroit engine	H = 2017 J = 2018
1 XP = Peterbilt	P = Paccar engine		D = Detroit engine	H = 2017 J = 2018



Choosing the correct 6-Pin Molex for the correct vehicle

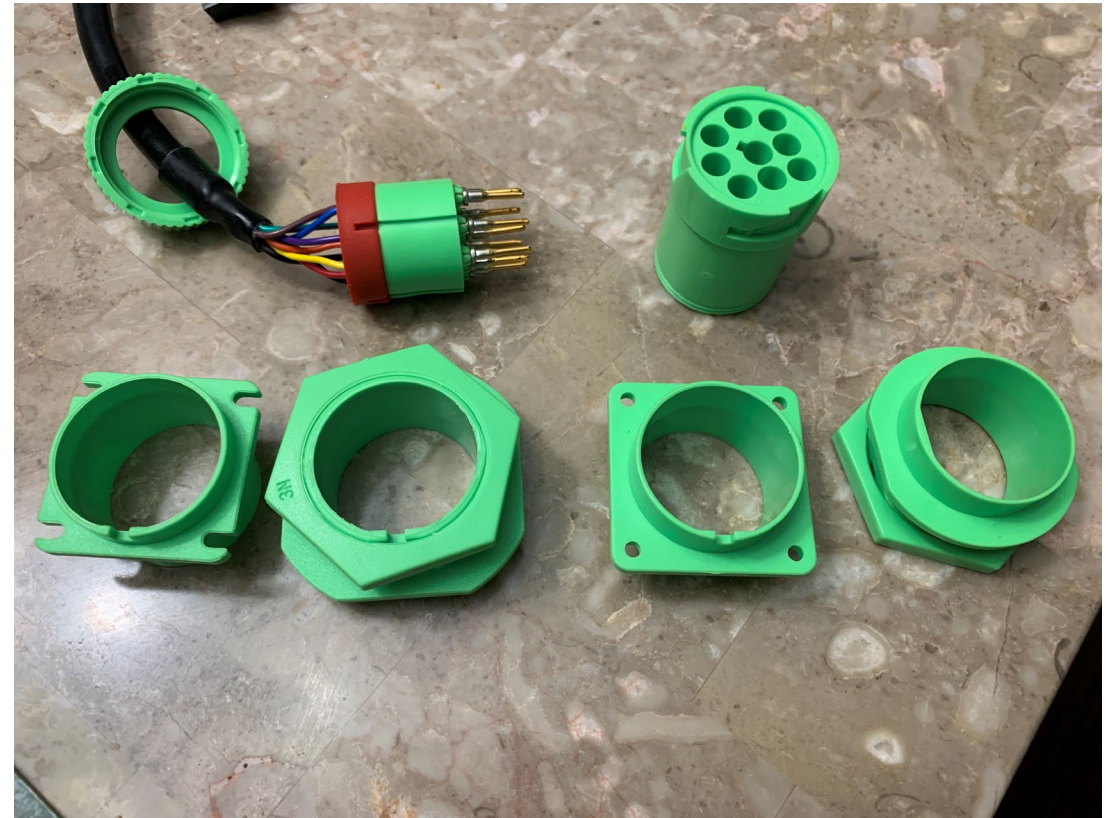
Choose from the 4 adapters shown below





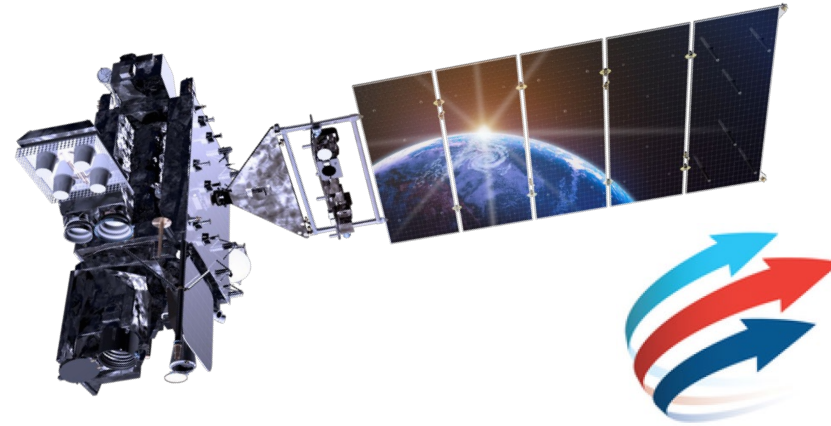
Remove the screw cap at the back of the core connector and slide the cap away.

Remove the core and the adapter and insert the desired adapter needed for the installation.



RECAP

Work Phone: 713-376-7950
 Google Voice: 281-901-1265 (Tech Text Line)



Hello 2020 ☺ **U1278**

<u>OBDII</u>	<u>9-Pin</u>
Choose correct adapter for OEM OBDII	Choose correct adapter for OEM 9-Pin
Choose correct 6-Pin Molex	Choose correct 6-Pin Molex
Standard OBDII, OBDII HD	Type I, Type II, Type II Paccar
HD=Heavy Duty (BIG COMMERCIAL)	Green Plugs into Green or Black 9-Pin
Make sure connection are made properly!	Make sure connection are made properly!
(Correct config is still needed for now)	(Correct config is still needed for now)

