P4 RADIO FOR 500K SYSTEM

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

P4 RADIO FOR 500K SYSTEM Jul 21, 2020 8:48 PM

With the new P4 I've been running into complaint that the radio will not work or the steering wheel switches for the radio will not function & or fault in Bendix safety direct portal 520169/9. I have found that when people are installing the radio the PanaPacific radio bundle is normally a 250k. With the Bendix fault Vin example LR4939 the PanaPacific PP107092 and that worked no issue which is a 500k unit.

 This latest one where the steering wheel switches and ICUC radio display were inop that 500k PP107092 part number did not work. To give a vin example is LR5072 there is a SS 1034488 which links to SB 54-323 for radio software that did not apply to this latest one. This unit was built with A22-76228-000 when installing the OEM part steering controls and icu responded. Found a newer unit that was ordered with SXM and this radio part number is A22-77380-000. Once installed everything worked as it should. With this latest part number we have not found a cross for it yet on the PanaPacific site. Things to note it will not code the ICUC just acts as if the radio is off. The steering wheel template functioned no issue. When checking parameters to see if it was programming issue and looking at Source addresses that will throw you off some as anything I found for the radio it should be SA 76 but when looking at the unit SA 76 is the CTP. When looking at FTL info the CTP is listed as SA 74.

Tags: radio, 500k, p4, new cascadia radio, 520169 / 9, steering wheel controls

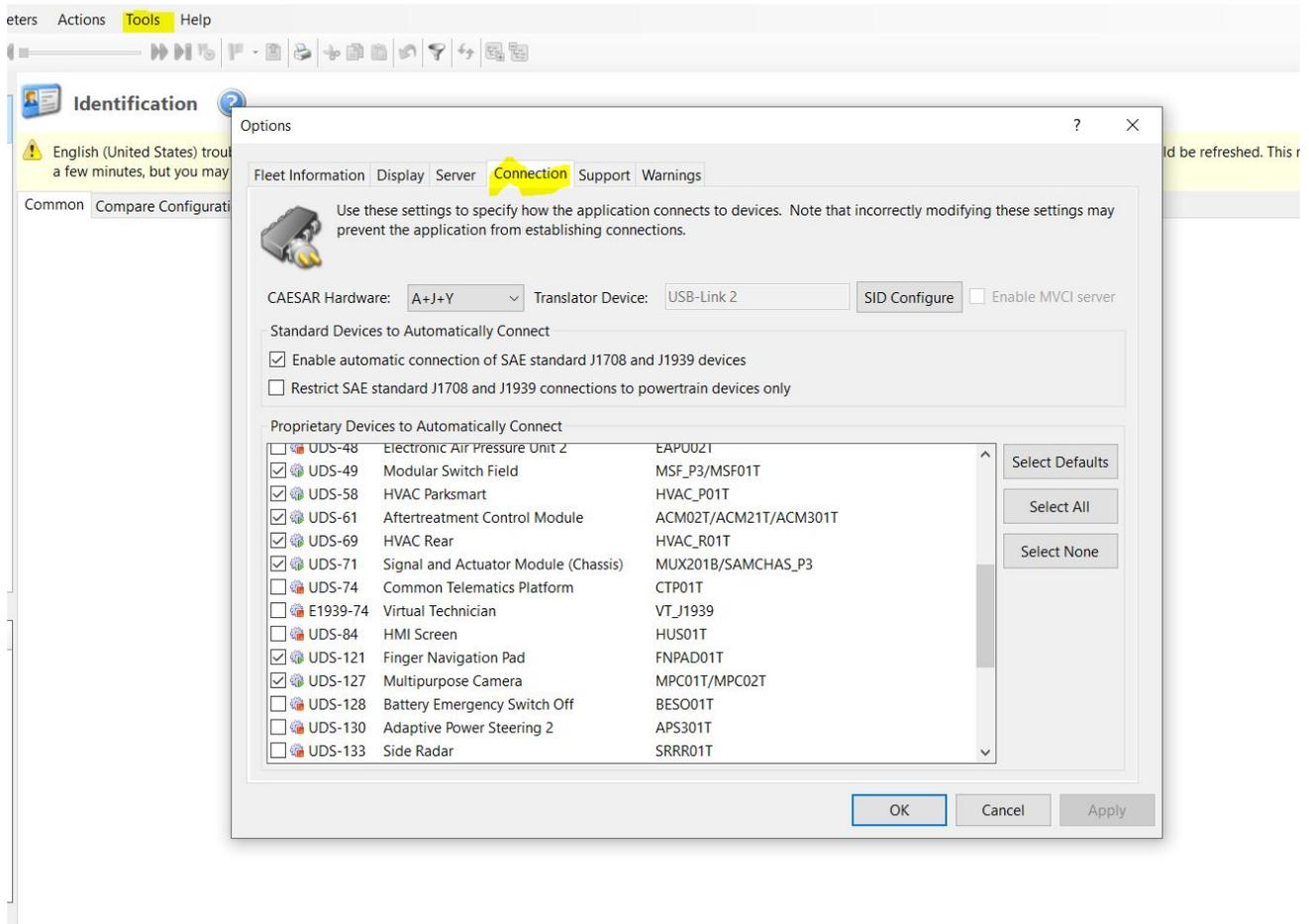Michael Palumbo *1,371 posts since Nov 13, 2014*

Re: P4 RADIO FOR 500K SYSTEM Jul 29, 2020 5:43 PM

I notice in your picture that on the DTNA sticker the model number is DEA540 but on the Delphi it is DEA500. Not sure if that is normal or not.

You are correct SA 76 is the music radio.   In lower left connections of DL it shows up below the line as ctp sa 76 radio. I do not know why it does that but could be because it does not show up at all in the Tools Connection list.   I forget but I think SA74 shows up as ctp 74 GSM or satellite.

As a reference TS 1033423 : J1939 Fault Code Source Address (SA), Suspect Parameter Number (SPN), and Failure Mode Indicator (FMI) Descriptions has a spread sheet that might help if you run into other SA description issues.

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File Edit View Insert Format Tools Data Window Help

B33 | Radio

	A	B	C	D
13	23	Instrument Cluster (ICU, RX)		
14	25	Climate Control #1 (FCU)		
15	28	Navigation		
16	29	Vehicle Securtiy		
17	33	Body Controller (SSAM, SAM-CAB, BHM)		
18	37	Off Vehicle Gateway (CGW)		
19	39	HMI (OnGuard Plus System)		
20	40	Cab Display 1 - Predictive Cruise Control		
21	41	Exhaust Retarder		
22	42	Headway Controller (RDF, OnGuard)		
23	47	Suspension - System Controller (ECAS)		
24	49	Cab Controller - Primary (MSF, SHM, ECC)		
25	51	Tire Pressure Controller (TPMS)		
26	58	Climate Control #2 (ParkSmart)		
27	61	Exhaust Emission Controller (ACM)		
28	62	ESC Module		
29	69	Auxiliary Heater (ACU)		
30	71	Chassis Controller (CHM, SAM-Chassis)		
31	74	Communications Unit, Cellular (CTP, VT)		
32	75	Communications Unit, Satellite (Qualcomm)		
33	76	Radio		
34	83	Safety Restraint System (Air Bag)		
35	84	Cab Display 2 - Agility Display		
36	127	Multi-Purpose Camera (MPC)		
37	128 - 131	Switch Expansion Module (SEM #1 - 4)		
38	133	Switch Expansion Module in Error State		
39	139	J1939 - 139		
40	140	Driver Interface Unit		
41	152	Maintaince Module (inside P4 CGW)		
42	160	J1939 - 160 (OnGuard Display)		
43	184	Trailer #3 Bridge		

Source Descriptions Final / SPN Descriptions Final / FMI Descriptions Final /

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Re: P4 RADIO FOR 500K SYSTEM Sep 9, 2020 5:47 PM

I'm not sure if the difference in the part number is normal. Good eye I did not catch that.