

Date, 7-26-19



Subject : 540 Model Radio

Dear 

Our records indicate that you are the owner of certain vehicles, and DTNA has decided to share the following documentation with you.

This documentation applies to Freightliner, New Cascadia, 2019 and 2018 Year vehicles.

We hope you find this information helpful.

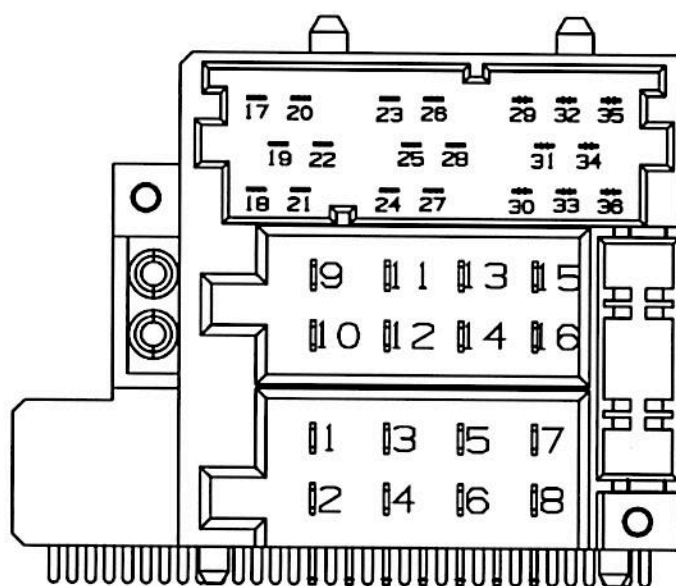
Issue; Radio will not operate with controls

Some 540 model radios are experiencing issues where the volume control will not operate and other controls as well. If the driver is complaining of this issue, install a connector into the rear of the radio and a single wire using the terminal included connecting to terminal 21 of the connector.

To date we have modified over 50 radios with success on most all. If this modification has been completed and the radio still malfunctions, replace the radio using part number below.

Instructions;

Modify with a ground jumper between radio pins 8 and 21. Butt splice used to connect jumper of circuit at Pin 8, terminal used in plug from parts list for pin 21. (this is putting a previously *unused pin 21* for analog steering wheel inputs to radio ground potential).



CONNECTOR PINOUT					
TERMINAL	FUNCTION	I/O	TERMINAL	FUNCTION	I/O
1	CAN-HIGH	I/O	19	N/C	N/A
2	CAN-LOW	I/O	20	CELL_TEL_MUTE	I
3	PARK LIGHTS	I	21	ASWC (ANALOG STEERING WHEEL CONTROL)	I
4	IGNITION	I	22	N/C	N/A
5	POWER ANTENNA	O	23	L_AUX_IN_1	I
6	DIM PWM/ANALOG	I	24	AUX_SHIELD_GND	I
7	BATTERY	I	25	AUX_1_COM	I
8	POWER GROUND	I	26	R_AUX_IN_1	I
9	RR+ (SPEAKER)	O	27	AUX_1_ON_OFF	I
10	RR- (SPEAKER)	O	28	N/C	N/A
11	RF+ (SPEAKER)	O	29	N/C	O
12	RF- (SPEAKER)	O	30	N/C	N/A
13	LF+ (SPEAKER)	O	31	MIC +	I
14	LF- (SPEAKER)	O	32	MIC -	I
15	LR+ (SPEAKER)	O	33	POWER GROUND	O
16	LR- (SPEAKER)	O	34	N/C	N/A
17	POWER GROUND	I/O	35	N/C	N/A
18	AMP SENSE	I	36	POWER GROUND	O

Parts required, I will ship no charge if you send me an address and quantity;

1 Heat shrink Butt splice – Shop supplies

1- 23-13153-606 Connector 6 cavity (seen above)

1- 23-13211-123 Female terminal

Replacement part if repair fails;

PSO PP107092-pana-pacific Radio

Submit your repair claim to Ryder Warranty if the repair is made at Ryder, if the repair is made at a dealer, please have the dealer contact 