

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional

Century Class Conventional
Argosy
Cargo
Columbia
122SD and Coronado

Business Class M2
Cascadia
108SD/114SD
> New Cascadia

**Freightliner
Service Bulletin**

General Information

On right-hand drive New Cascadia vehicles built before September 28, 2020, incompatible radio software can cause the Pana-Pacific DEA505 radios (A22-76228-000) to send the Bluetooth audio to the left-hand door speaker.

A software update will send the Bluetooth audio to the right-hand speaker.

NOTE: DiagnosticLink is not required for this update. The software must be downloaded to three USB flash drives and installed directly on the radio.

Work Instructions

IMPORTANT: The flash procedure will only work on Pana-Pacific DEA505 & DEA530 radios.

A DEA505 or DEA530 radio can be identified by the "SXM" badge on the upper right-hand corner of the radio face plate.

1. Park the vehicle on a level surface, apply the parking brakes, and shut down the engine. Chock the tires.
2. Go to the Pana-Pacific website: <https://www.panapacific.com/download/dtna-dea505-rhd-software?wpdmdl> and click the "DOWNLOAD" button to download the software.
3. Copy each of the three zip files (USB_Images_APP, USB_Images_CAL, USB_Images_FBL) in the zip file DTNA_DEA505_RHD_20323300 onto a separate clean USB flash drive (FAT32 or exFAT).
4. Ensure the vehicle battery voltage is 12.6V or higher. If it is below this threshold, either start the vehicle or connect a battery charger.
5. Ensure the ignition is in the ON position.

NOTE: Steps 6 to 14 are an illustrated version of steps 3 to 16 in the "Flashing_Instructions.txt" document from the Pana-Pacific website.

6. Ensure the radio is off with the clock displayed. See **Fig. 1**.



Fig. 1, Radio Off With Clock Displayed

NOTE: If the message "Error 0x002F" displays at any point in the programming process, any of the following could be the cause: the radio model is not Pana-Pacific DEA505 or DEA530, the reflash file was corrupted while being copied to the USB flash drive, or the USB flash drive has been damaged.

If you get a different error code or none of the above are true, retry by doing a battery reset with the USB inserted.

7. Insert the USB flash drive with the "USB_Images_FBL" file on it. "USB READING" should appear on the radio screen (See **Fig. 2**) followed by "NO MUSIC" (See **Fig. 3**).

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Fig. 2, USB Reading Screen



Fig. 3, No Music Screen

- Press and hold the preset buttons 3 and 6 (see Fig. 4) for about five seconds. The radio screen will turn off and then the following messages will be shown: "BOOTLOADER" (Fig. 5), "REFLASHING" (Fig. 6), and "REMOVE USB" (Fig. 7).



Fig. 4, Preset Buttons 3 and 6



Fig. 5, Bootloader Screen



Fig. 6, Reflashing Screen



Fig. 7, Remove USB Screen

- Remove the USB. The words "REFLASH END" will appear on the radio screen (see Fig. 8), then the display will turn off and the radio will restart.

The radio will restart in bootloader mode, displaying the word "BOOTLOADER" (see Fig. 9).

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Fig. 8, Reflash End Screen



Fig. 9, Bootloader Screen

10. Insert the USB flash drive containing the file "USB_Images_CAL." The word "REFLASHING" will appear (see [Fig. 10](#)) followed by "REMOVE USB" (see [Fig. 11](#)).



Fig. 10, Reflashing Screen



Fig. 11, Remove USB Screen

11. Remove the USB. The words "REFLASH END" will appear on the radio screen (see [Fig. 12](#)), then the display will turn off and the radio will restart.

The radio will restart in bootloader mode, displaying the word "BOOTLOADER" (see [Fig. 13](#)).



Fig. 12, Reflash End Screen



Fig. 13, Bootloader Screen

12. Insert the USB flash drive containing the file "USB_Images_APP." The word "APPLICATIONS" will appear (see [Fig. 14](#)) followed by the word "REFLASHING" (see [Fig. 15](#)) and then "REMOVE USB" (see [Fig. 16](#)).

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Fig. 14, Applications Screen



Fig. 15, Reflashing Screen



Fig. 16, Remove USB Screen

13. Remove the USB. The words "REFLASH END" will appear on the radio screen (see [Fig. 17](#)), then the display will turn off and the radio will restart.



Fig. 17, Reflash End Screen

14. The radio should now be functional. To verify the radio has been updated with the new software do the following.

- 14.1 Turn the ignition ON but the radio off (see [Fig. 18](#)).



Fig. 18, Radio Off With Clock Displayed

- 14.2 Press and hold the preset buttons 1 and 3 (see [Fig. 19](#)) for about eight seconds.

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Fig. 19, Preset Buttons 1 and 3

14.3 The following codes should show up on the radio screen: "AA 1098BD" (Fig. 20), "20323300" (Fig. 21), "AA 1097AC" (Fig. 22), then "14484900" (See Fig. 23).



Fig. 20, Code #1: AA 1098BD



Fig. 21, Code #2: 20323300



Fig. 22, Code #3: AA 1097AC



Fig. 23, Code #4: 14484900

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 1](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

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OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
RADIO-DEA540 AM/ FM/WB/CD/BT/SXM	052-003-001	03	746-5005A	Radio Programming	0.3

Table 1, OWL VMRS Codes and Labor Allowance