



INSTRUCTION TO SERVICE

ITS: 6031	
SECTION:	286 Instrument & Switch Panels.
WRITTEN BY:	Michael Rooney
SUBJECT:	Install updated instrument panel dimmer switch.

ITS6031

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PROCEDURE:

1. Turn the main battery disconnect switch to the “OFF” position.
2. Drain the vehicle air tanks.
3. Locate the instrument dimmer switch on the instrument panel.

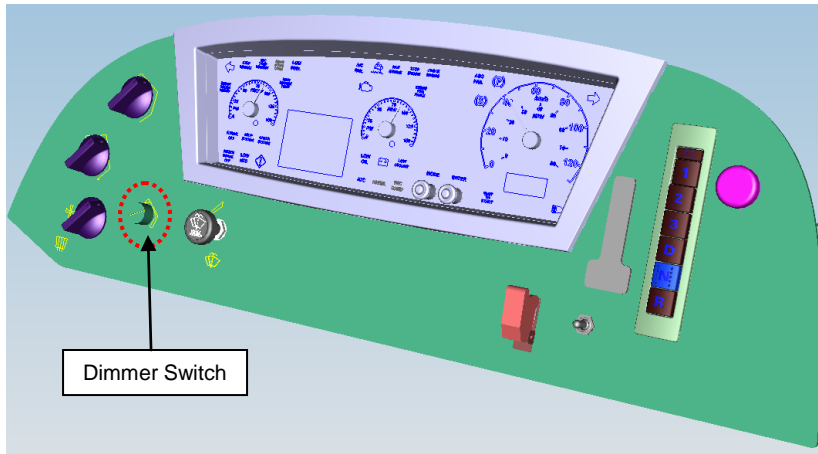


Figure 1: Dimmer Switch Location.

4. Tilt the steering wheel away from the instrument panel.
5. Remove the bezel by prying it away from the instrument panel.
6. Remove the two machine screws at the top of the instrument panel.
7. Disconnect the USB port below the instrument panel.
8. Pull the instrument panel away from the connectors on the back side of the panel.

NOTE: The lower corners of the instrument panel are secured with Velcro tape.

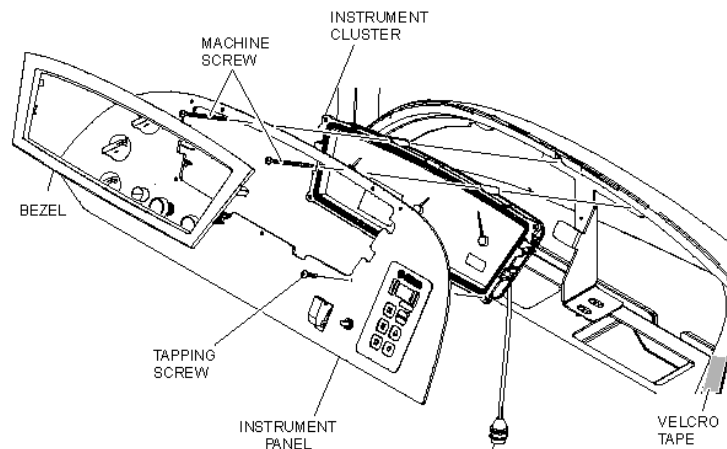


Figure 2: Instrument Panel Exploded View.



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9. Disconnect all electrical plugs and connectors from the instrument panel. Tag all wire connectors.
10. Disconnect all cables from defroster controls.
11. Remove the instrument panel from the dash and place it on a clean work bench.
12. Loosen the set screw on the dimmer switch knob and remove the knob.
13. Remove the dimmer switch retaining nut and remove the dimmer switch from the instrument panel.
14. Peel away the backing on one of the alignment washers that come with the dimmer switch and stick it to the backside of the instrument panel. Ensure that the hole in the center of the washer is aligned with the hole in the instrument panel and that the alignment keyway is at the 9 o'clock position when viewed from the front side of the instrument panel. Apply the two other alignment washers in the same orientation on top of the first alignment washer so as to create a stack of three alignment washers.
15. Using a file, remove the flats on the sides of the instrument panel dimmer switch opening so that it matches the alignment washers.
16. Install the new dimmer switch P/N 596818 from the backside of the instrument panel. Ensure that the alignment pin on the switch engages the alignment hole in the washer. Torque the mounting nut to 6 in-lbs (dry) and apply a drop of Loctite 425 NF P/N 489753 to the mounting nut.
17. Install the knob on the switch shaft and secure the set screw in the knob. Apply a drop of Loctite 243 NF P/N 081034 to the set screw.
18. Place the instrument panel in front of the dash and reconnect all electrical and mechanical connections.
19. Reconnect the USB port below the dash panel.
20. Attach the instrument panel to the dash using the existing machine screws.
21. Turn the main battery disconnect switch to the "ON" position. Start the engine and check operation of instrumentation and controls.
22. Remove all tools and debris to return the bus to service condition.



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LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Install updated instrument panel dimmer switch.	1	0.5	0.5

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	596818	SWITCH-PANEL LIGHT DIMMER	1	EA	
2	489753	LOCTITE-425 (BLUE) THREADLOCKER	0.01	EA	
3	081034	LOCTITE-243 MEDIUM 10 ML	0.01	EA	

SPECIAL TOOLS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
		NO SPECIAL TOOLS REQUIRED			