PREVOST

Instruction Sheet IS-20073

FLUSH FLOOR SLIDE-OUT POSITION SENSOR MAGNET SUPPORT REPLACEMENT

Use this instruction for the replacement of the following magnet supports: 491684 & 491685

First Release May 2021

MATERIAL

Kit # IS20073 includes the following parts:

Part No.	Description	Qty
492059	SUPPORT REAR, POSITION SENSOR	1
492060	SUPPORT FRONT, POSITION SENSOR	1
IS-20073	INSTRUCTION SHEET	1
FI-20073	FEUILLE D'INSTRUCTION	1

NOTE

Material can be obtained through regular channels.

PROCEDURE

DANGER

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lockout & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

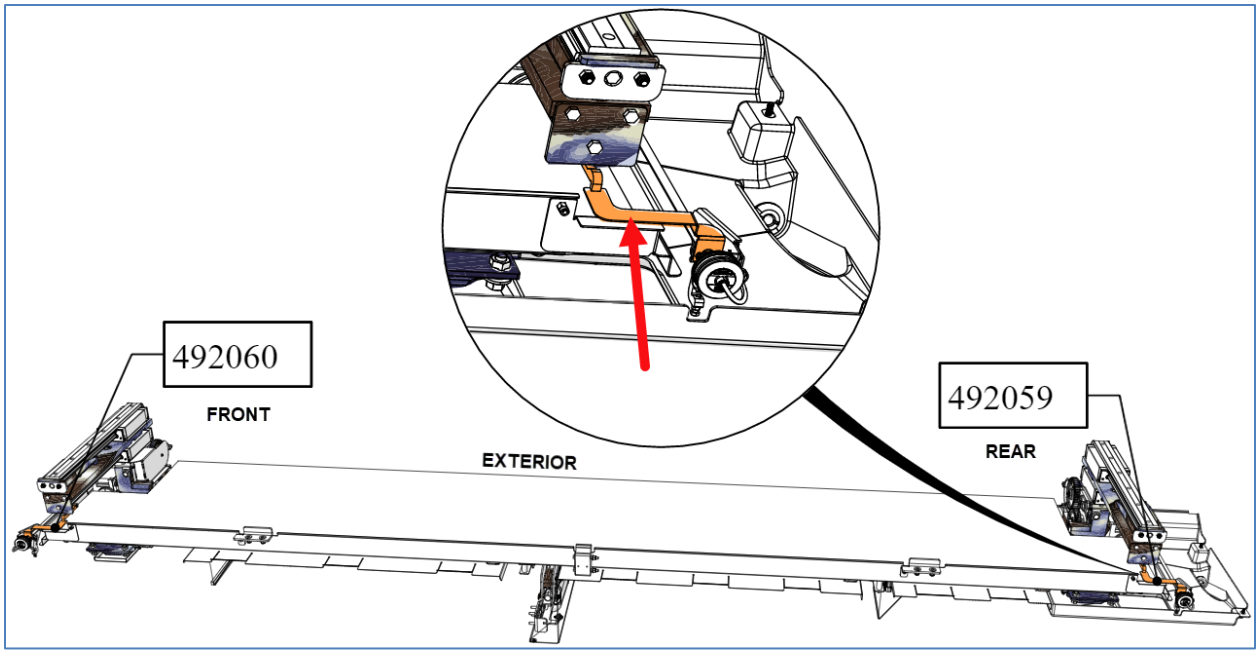


FIGURE 1: OVERVIEW – PARTIAL MECHANISM

REPLACEMENT

1. Extend the flush floor slide-out.

2. Trip circuit breaker CB6 to cut power supply to the slide-out.

The slide-out power supply comes from the 24-volt circuit breaker CB6 in the main power compartment.

3. From the baggage compartment, remove the screw holding the position sensor magnet support.

   Perform this on front and rear magnet support

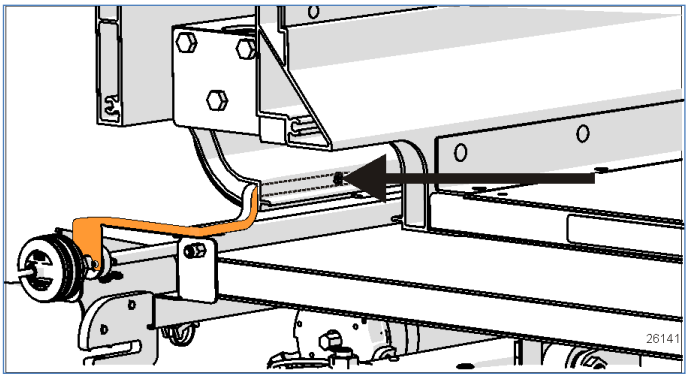


FIGURE 2

4. Disconnect the magnet from the magnet support. To do so, unscrew the nuts shown on the image.

Perform this on front and rear magnet support

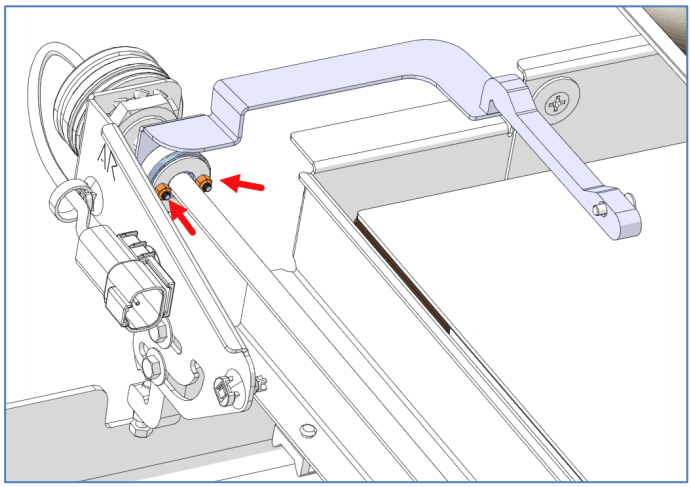


FIGURE 3

5. Pull the screws.

Perform this on front and rear magnet support

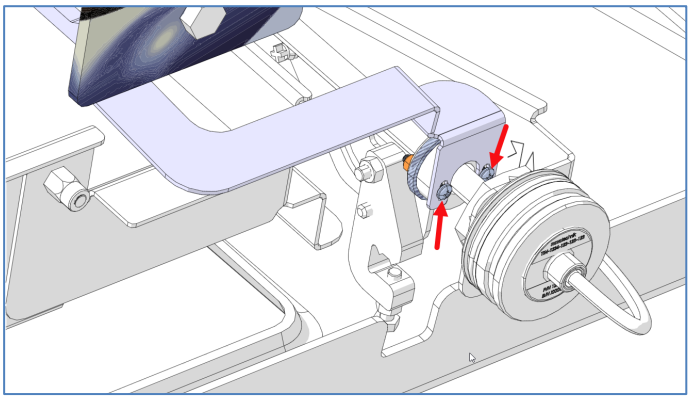


FIGURE 4

6. Remove the magnet support.

Perform this on front and rear magnet support

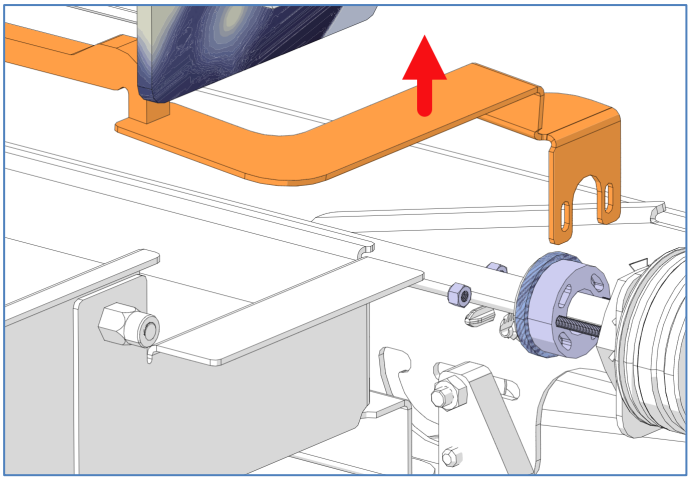


FIGURE 5

7. Install the new magnet support similarly and fasten the magnet.

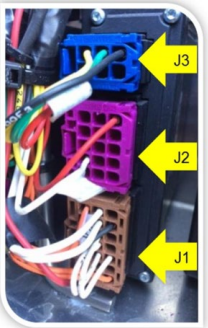
Perform this on front and rear magnet support

8. Reset circuit breaker CB6.

VERIFICATION

9. Make sure the slide-out is retracted and flush with the vehicle exterior surface.

10. On the slide-out control panel, identify the multiplex module controlling the R.H. front slide-out. It may be EA-59 or EA-61. Refer to the decal affix on the control panel as the configuration may differ.



- IO-EA Modules have 3 connectors
- J1 – Inputs, Outputs, Address Loops
- J2 – Inputs & Outputs
- J3 – Power, Ground, & Network Communication (CAN)

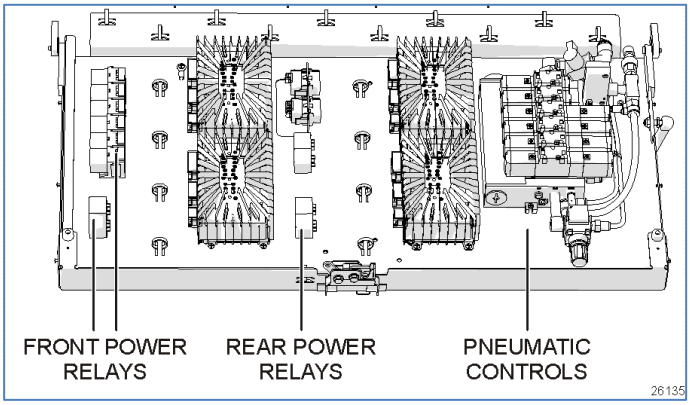


FIGURE 6

11. Back probe between a good ground and circuit 11 and then circuit 12 at connector J2 with a voltmeter. Voltage readings should be as follow:

	front transducer J2:11	rear transducer J2:12
S-O retracted	0.322 volt (0.325 volt max)	0.322 volt (0.325 volt max)
S-O fully open	4.5 volt	4.5 volt

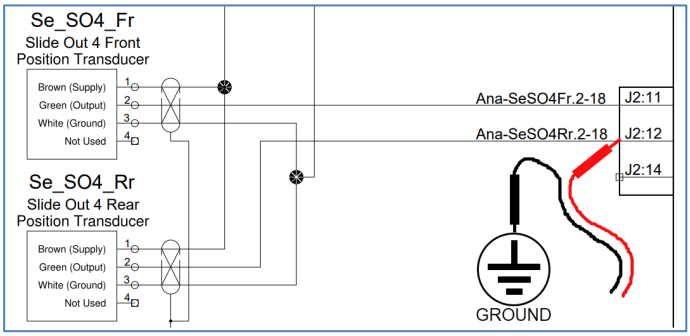


FIGURE 7

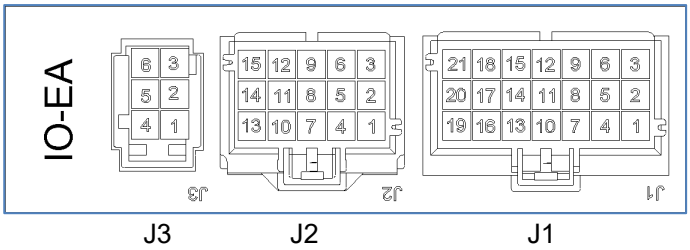


FIGURE 8: BACK PROBING VIEW

12. If the voltage reading for a specific position transducer is out of the range 0.332-0.325 volt, an adjustment of that position transducer must be undertaken so that once properly adjusted, the voltage reading will fall into the appropriate range.
13. If an adjustment is required, perform the following section **POSITION TRANSDUCER ADJUSTMENT**

POSITION TRANSDUCER ADJUSTMENT

14. Loosen the screw identified (1) on the image.

The screw located above screw (1) is snug tighten and doesn't need to be loosened.

15. Move the transducer bracket (2) so that the voltage reading will fall into the appropriate range 0.322-0.325 volt, as explained at step 11.
16. Tighten screw (1).

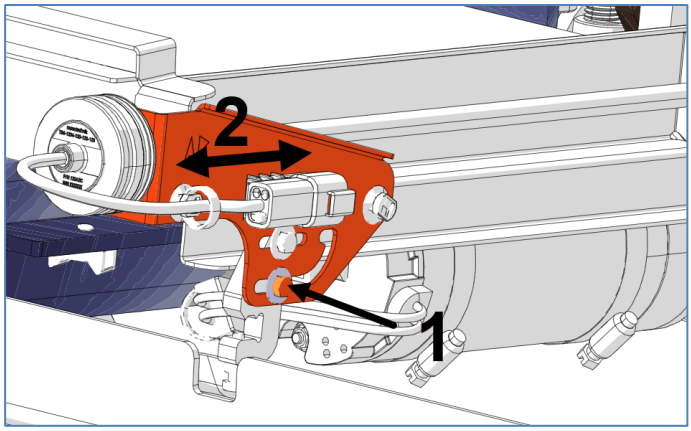


FIGURE 9

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)