

TECHNICAL SERVICE BULLETIN 84-1285 REMEDY INSTRUCTIONS

	Make(s): Champion Bus Model(s): Challenger, Crusader, Impulse & LF Transport on E-450 chassis Model Year(s): 2021	Repair Code: SB-386-22-00-003974 Allotted Time: 0.5 hrs. Inspection Code: N/A Allotted Time: N/A
	Concern: InPower Fast Idle does not function properly due to the OEM tie-in harness is either incorrectly pinned, has a lack of +12V power supply, or both.	Photo(s) Required: No Prior Authorization Required: No Part(s) Number: N/A Part(s) Return: N/A

Disconnect the vehicles' battery Positive and Negative, disconnect any House battery(s) Positive and Negative, if equipped with a generator ensure it is off and lastly, ensure the vehicle is disconnected from shore power. Block any tires/wheels to prevent the vehicle from rolling. Failure to do so may result in electrocution, fire or other personal injury, property damage and/or death.

VERIFICATION:

- 2021 Champion Bus on Ford E-450 chassis' built between June 2020 and December 2020 with an InPower Fast Idle Module.

TOOLS REQUIRED:

- Molex Insertion/Removal Tool
- Wire Strippers
- Wire Crimpers

REPAIR PROCESS IF TIE-IN HARNESS IS INCORRECTLY PINNED:



1. Customer Access connector can be located behind the engine Coolant reservoir.



2. Locate the green wire on the 12-position harness connector that runs through the firewall.

3. If the green wire is seated at Pin #10 instead of Pin #11, this may be the reason for an inoperable Fast Idle. Separate the connector and use a de-pinner tool to remove the green wire from Pin #10. Move the green wire over to the next position, Pin #11.



CORRECT LOCATION

SEE ENCLOSED PRINT #3978868 FOR FURTHER WIRING INFORMATION

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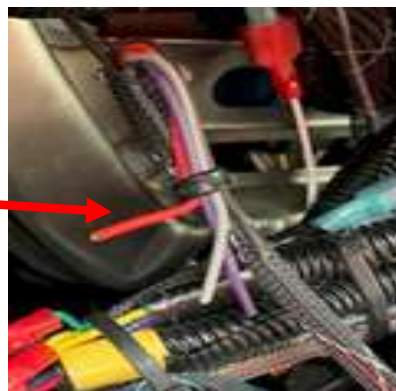
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REPAIR PROCESS IF THERE IS NO +12V IGNITION POWER SOURCE

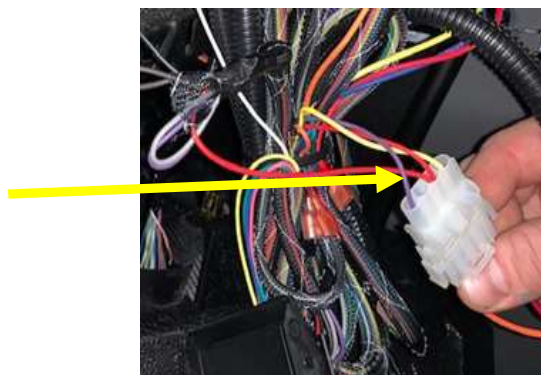
1. The InPower Fast Idle Module is located underneath the steering column. Locate the module and check for power. If you do not see any lights on the module, then it is missing a +12V ignition power source.



2. The Red wire from the InPower Idle harness must see +12V ignition power. The Red wire will be located with the zip-tie along with the Purple and Gray wires. If the Red wire is not connected to anything, this may be the reason no lights are showing on the module.



3. Connect the Red wire to the 4-position lift connector located in the same area. Place the Red wire in Pin #2 of the connector. It may be necessary for the Red wire to share the same terminal with an existing red wire from the Wheelchair Lift Interlock Module. You should now see lights on the InPower Fast Idle Module.



SEE ENCLOSED PRINT #SCH142439 FOR FURTHER WIRING INFORMATION