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|-------------------------------|---|-----------------------|-------------------|---|
| <b>Title:</b>                 | <b>Impel/Velocity™ Step Replacement</b>   |                       |                   |  |
| <b>Number:</b>                | <b>PB_560</b>   | <b>Release Date:</b>  | <b>02/11/2022</b> |   |
| <b>Revision Number:</b>       | <b>1</b>  | <b>Revision Date:</b> | <b>11/23/2022</b> |   |
| <b>Chassis Type:</b>          | <b>Impel/Velocity™</b>  |                       |                   |   |
| <b>Component Description:</b> | <b>Cab step options for discontinued step module<br/>Reference PSB0645 Impel/Velocity Power Steps</b> |                       |                   |   |
| <b>Warranty:</b>              | <b>N/A</b>  |                       |                   |   |
| <b>Parts:</b>                 | <b>See below</b>  |                       |                   |   |
| <b>Tools:</b>                 | <b>Typical shop tools</b>   |                       |                   |   |

**Subject:**

Replacement step options for discontinued power steps on Impel/Velocity™ chassis.

**Purpose:**

Required electrical component used to control the electrical steps has been discontinued by the manufacturer. The electric power step replacement/repair options available are as follows:

Option 1: Replace, rewire and weatherproof discontinued module (p/n 63-4750-0001)

This option is available if the module is the only part to be replaced.

The following parts are no longer available:

| ○ Part Number  | ○ Item Description             |
|--|--------------------------------|
| ○ 1768395  | ○ STEP,UPPER                   |
| ○ 1768402  | ○ STEP,LOWER                   |
| ○ 1768406  | ○ CROSS LINK,LOWER             |
| ○ 1768408  | ○ LINK,LONG                    |
| ○ 1768409  | ○ LINK,SHORT                   |
| ○ 1800056  | ○ CROSS LINK,UPPER             |
| ○ 1800057  | ○ BRKT,UPPER ACTUATOR MOUNT    |
| ○ 1801040  | ○ BRKT,SPRING PLUNGER MOUNT,LH |
| ○ 1801041  | ○ BRKT,SPRING PLUNGER MOUNT,RH |
| ○ 1776622*   | ○ ACTUATOR,ELECTRIC,POWER STEP |
| *Limited availability. Once current stocks are exhausted as of the time of this bulletin, then it will no longer be available. |                                |

**If any of these need to be replaced, then option 1 is not available.**

Option 2: Replace with existing fixed option 0555486 Steps, 4-Door Cab, Dual, Imp/Vel

Option 3: Replace with new air steps option 0799676 Steps, 4-Door Cab, Automatic, Air, Imp/Vel

**Description:**

Option 1: Replace, rewire and weatherproof module (p/n 63-4750-0001)

- ✓ Order parts:
  - 4076068 MODULE,STEP ASSEMBLY 12AMP 8-18VDC
  - 64-2343 RELAY,SPDT 30A 12VDC,ENCAPSUL W/RESISTOR W/TAB
  - 64-2344 HARNESS,ENCAPSULATED RELAY
- ✓ Request wiring diagram 66-8000-354S
- ✓ Replacement module is not a direct replacement.

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- New unit is not waterproof and is intended for indoor use. Module must be mounted and wired in a weather-tight location. Unit is 4.125"L x 2.375"W x 1.00"H (H is to top of terminals).
- Operating temperature range is -40°C (-40°F) to +85°C (+185°F).
- Module receives a positive signal rather than a negative, so wiring modifications will be required.

### Option 2: Replace with existing fixed option 0555486 Steps, 4-Door Cab, Dual, Imp/Vel

- ✓ Order one each of bill of material:
  - 1961803 - 0855-LOWER STEPS, FRT CAB
  - 1961969 - 0855-LOWER STEPS, RR CAB
  - 3542952 - 0855-CAB, DUAL STEP, LT (Standard step lighting)
- ✓ Request reference 3542952 REF, LOWER STEPS, DUAL

**NOTE:** If job is a two or three door cab, please submit an NPN request on [Pierceparts.com](http://Pierceparts.com)



*Option 2 Dual fixed steps*

### Option 3: Replace power cab step system with new air step system option 0799676 Steps, 4-Door Cab, Automatic, Air, Imp/Vel

- ✓ Order one each of bill of materials:
  - 3449946 - 0855-LOWER STEP
  - 3449019 - 0855-CAB STEP ELECTRICAL
  - 2993459 - 0855-AIR SYSTEM, LOWER STEP
- ✓ Request wiring diagram 66-8000-354B



*Option 3 Automatic air step extended*

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*Option 3 Automatic air steps retracted*

If any additional support is needed, please open a technical support incident on [Pierceparts.com](https://www.pierceparts.com).