



by  Lippert Components®

**POWER GEAR®
STEP WELL COVER
(LINEAR ACTUATED)
OWNER'S MANUAL
(3010002928)**

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Introduction

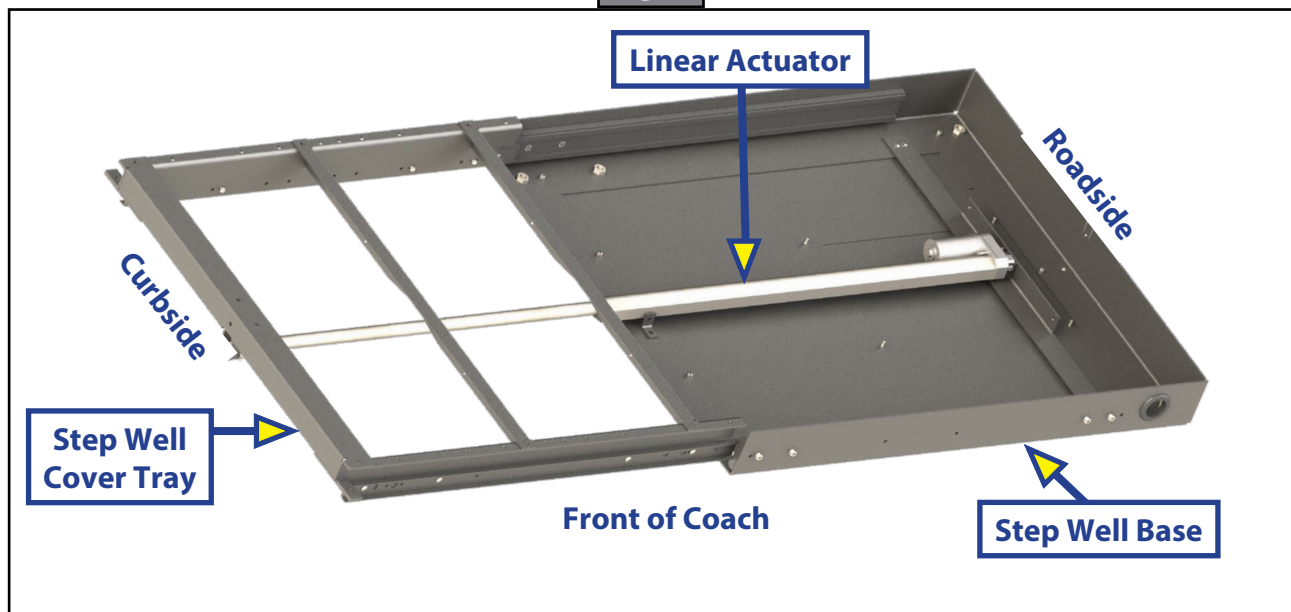
NOTE: This information was obtained from Power Gear® manual 3010002928 Rev OB dated May 2014 and updated for current production.

The Power Gear® Step Well Covers are designed for the front-entry coaches. The step well cover provides comfort and foot support for the person riding in the passenger seat. The step well cover also adds user safety by preventing accidental falls into the entry step well.

The construction and operation of the step well cover consists of four primary parts (Fig. 1).

1. The Step Well Cover Tray is the portion of the step well cover that extends and retracts. The user sees this during normal operation.
2. The Step Well Base connects directly to the chassis of the motor home and provides the structural support and environmental protection for the linear actuator and step well cover tray.
3. The Linear Actuator extends and retracts the step well cover tray.
4. The Step Well Cover Tray Rocker Switch (not shown) is mounted on the motor home wall and sends inputs to the linear actuator to extend or retract the step well cover tray.

Fig. 1



Safety Information

WARNING

The “WARNING” symbol is a sign that precedes a service, maintenance or operational procedure containing a possible personal safety risk that could result in serious injury or death if stated safety precautions and procedural steps are not followed as set forth in this manual.

WARNING

Failure to act in accordance with the following may result in death or serious personal injury. Read all operating instructions first before using your Power Gear® Step Well Cover.

CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Operation

WARNING

Do not ride on the step well cover tray during operation. Severe property damage, serious personal injury or death may result.

WARNING

Do not stand in the entry step well during operation of the step well cover tray. Serious property damage, personal injury or death may result.

Extension

Before extending the step well cover tray, make sure that there are no obstructions in the entry step well that will interfere with the travel of the step well cover tray.

1. Locate the step well cover tray rocker switch and position yourself fully inside the coach and clear of the step well cover tray path. Do not stand in the entry step well.
2. Press and hold the rocker switch until the step well cover tray is fully extended and stops moving.
3. Verify that the step well cover tray is fully extended by visually checking to see that the tray is level and parallel to the main coach floor with minimal space to door frame.

Retraction

Before retracting the step well cover tray, make sure that there is nothing lying on the top of it.

1. Locate the step well cover tray rocker switch and position yourself fully inside of the coach. Do not stand on the step well cover tray.
2. Press and hold the rocker switch until the step well cover tray is fully retracted and stops moving.
3. Verify that the step well cover tray is fully retracted by visually checking to see that the step well cover tray is flush with the front part of the step well base.

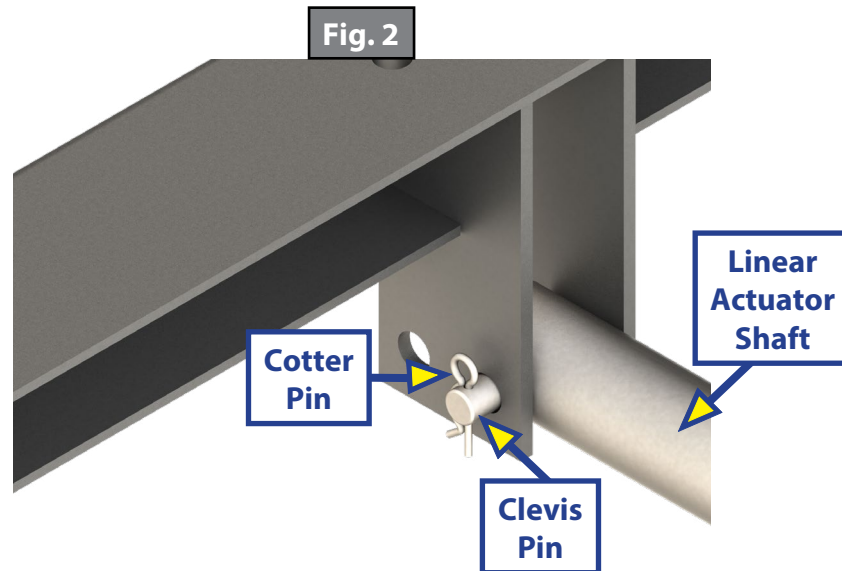
Emergency Retract Procedure

⚠ WARNING

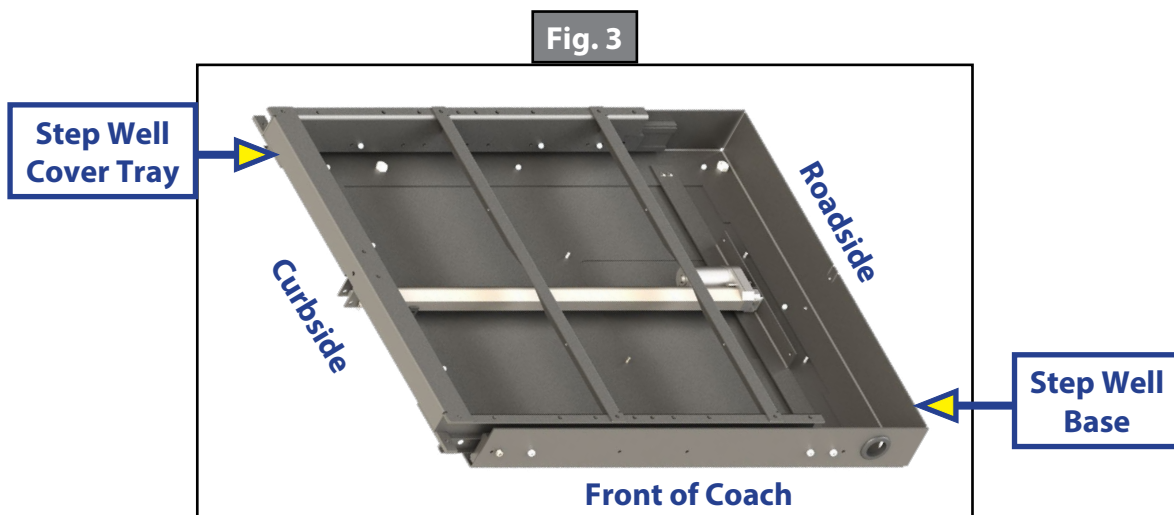
Do not step on the step well cover tray when the linear actuator is not attached to the base assembly. The step well cover tray will not support a load when unattached. Severe property damage, serious personal injury or death may result.

In the event of a failure when the step well cover tray is in the extended position, the tray can be manually released as follows.

1. Remove the access panel from underneath the step well cover tray.
2. Locate the clevis pin in the shaft at the rod end of the linear actuator (Fig. 2).
 - A. With the cover tray extended, look under the step well cover tray.
 - B. Locate and remove the cotter pin and the clevis pin from the linear actuator shaft.



3. Push the step well cover tray into the step well base until fully retracted (Fig. 3).
4. Before traveling, secure the step well cover tray in the retracted position using either a shim/wedge or a bungee cord.
5. Take the coach to an OEM-authorized dealer for service.



NOTE: Step Well Cover Tray shown in the retracted position.

Step Well Cover—May 2014 to Current

Wiring Diagram - Post-May 2014

Most step well covers made **AFTER** May 2014 use one of the following wiring harnesses (Fig. 4 and 5).

NOTE: Wire harnesses used for Power Gear® 9010000978 / LCI 380091 and Power Gear® 9010001043 / LCI 381382 step well covers are supplied by the original equipment manufacturer customer.

Fig. 4

Part Number: Power Gear 1510000274 / LCI 370926

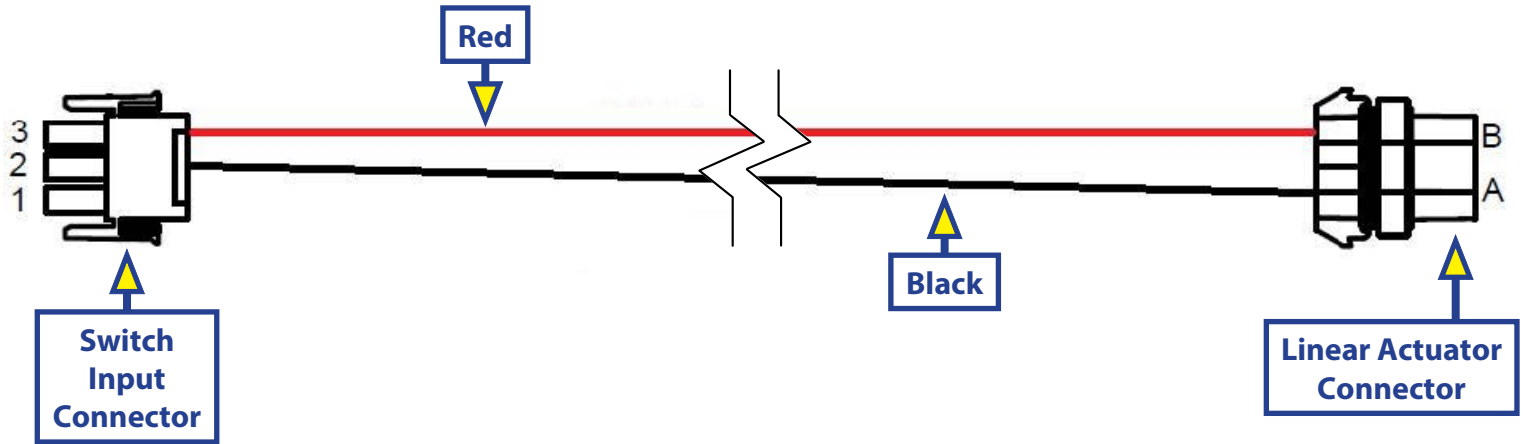
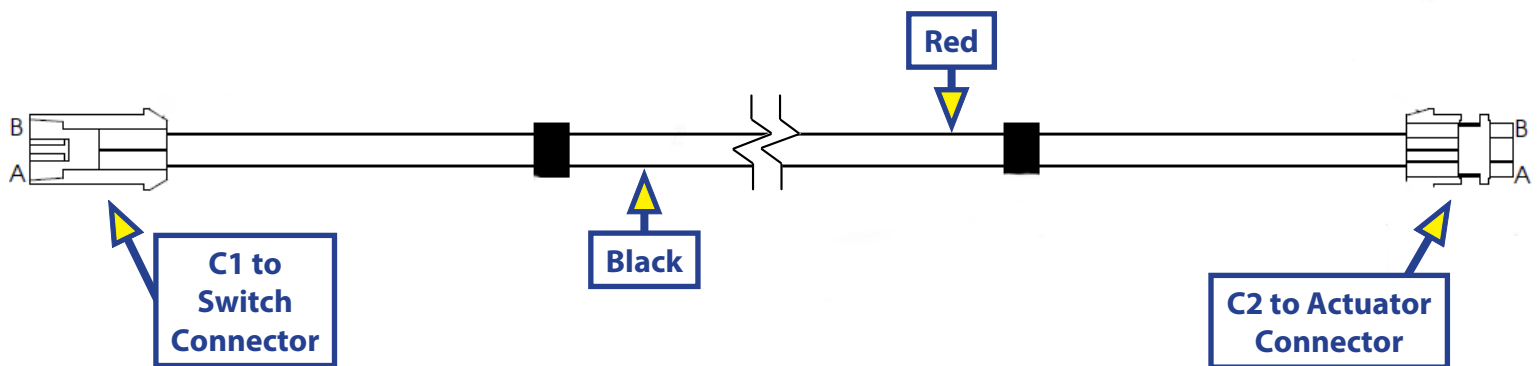


Fig. 5

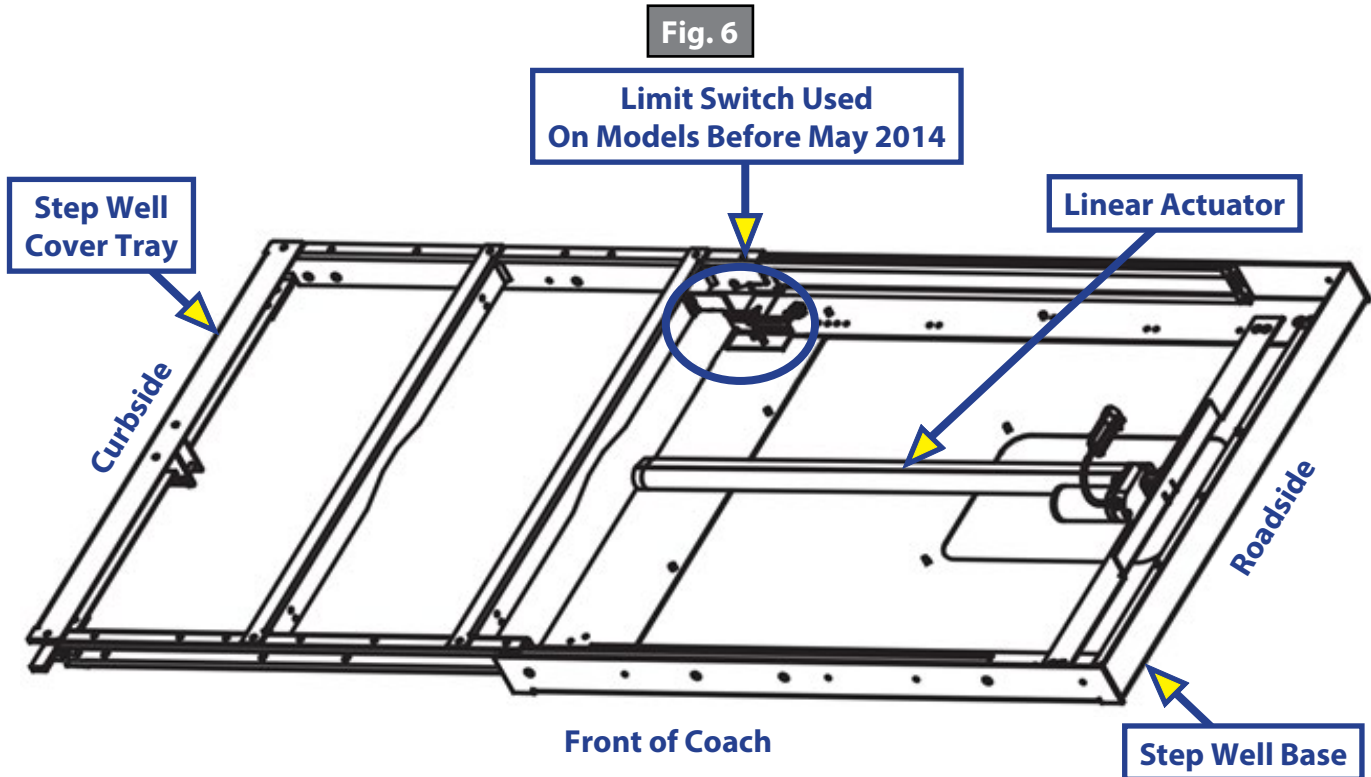
Part Number: Power Gear 1510000283 / LCI 379386



Step Well Cover—Pre-May 2014

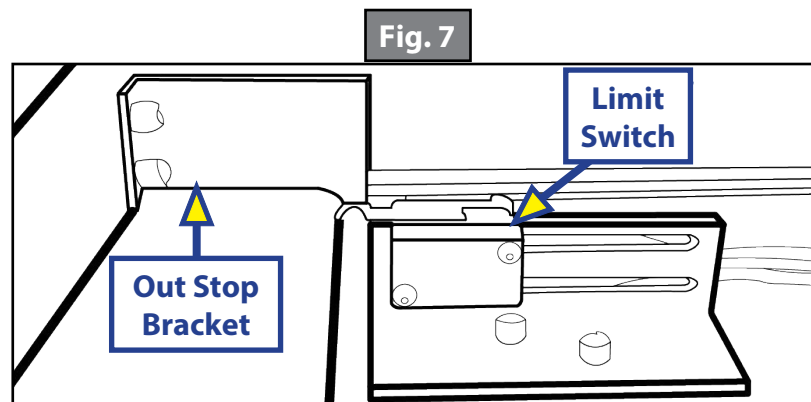
Limit Switch Adjustment Procedure - Pre-May 2014

Linear actuator-driven step well covers made **BEFORE** May 2014 worked in conjunction with a separate limit switch that was installed to the base of the step well cover tray (Fig. 6). The limit switch told the actuator when the sliding tray was at full extension or retraction and shut the motor off.



Limit switches were set from the factory on step well cover models built **BEFORE** May 2014. If you need to re-adjust the limit switch, follow the procedure below.

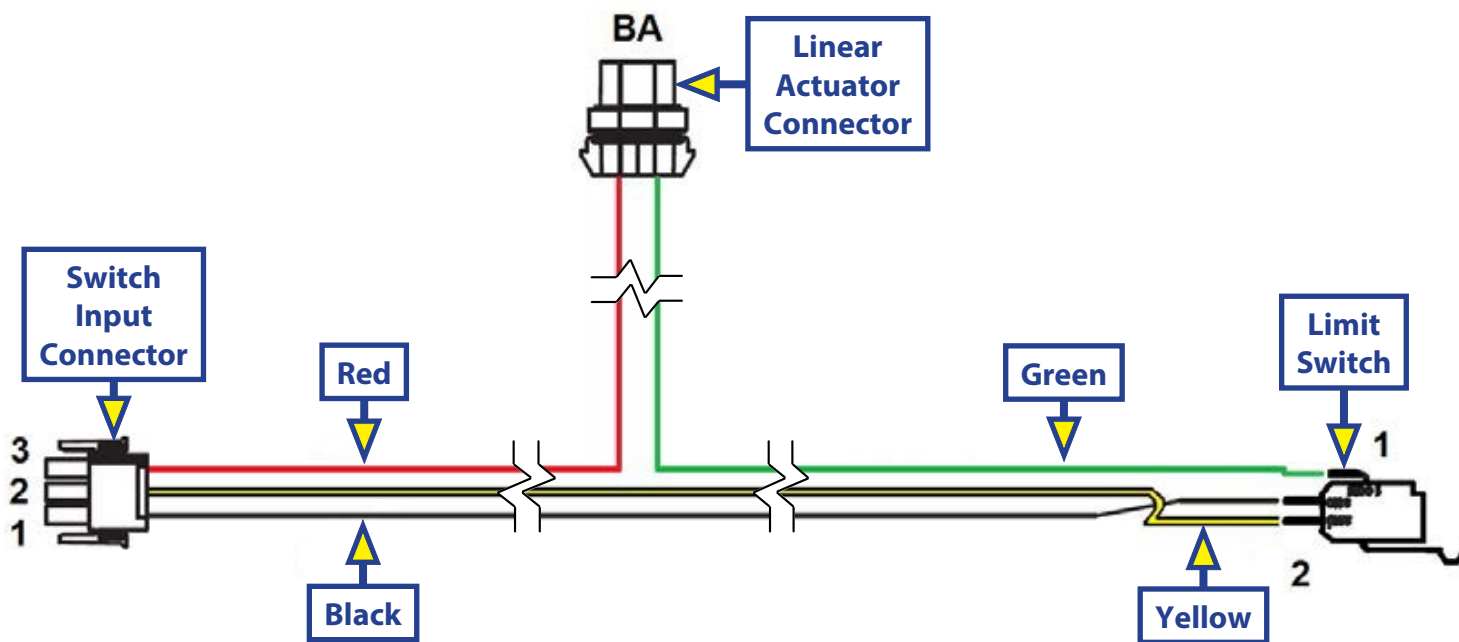
1. Retract the step well cover tray 12" from the intended out stop position.
2. Locate the clevis pin in the shaft at the rod end of the linear actuator. Look under the step well cover tray as it is extended and remove the cotter pin and the clevis pin from shaft.
3. Pull the unpinned step well cover tray all the way out to the intended stop position. Once the tray is extended fully in the entry step well, securely clamp the tray in that position with a C-clamp.
4. Loosen the limit switch slide screws.
 - A. Move the limit switch back (Fig. 7) until it clicks and the out stop bracket (Fig. 7) holds down the limit switch lever.
 - B. Tighten the limit switch screws to 5 in-lbs to secure the limit switch in that position.
5. Push step well cover tray back to the rod of the linear actuator and connect the clevis pin and cotter pin.
6. Use step well cover tray as designed.



Step well covers made **BEFORE** May 2014 used Power Gear® wiring harness 1510000254 / LCI 379317 (Fig. 8).

Fig. 8

Part Number: Power Gear 1510000254 / LCI 379317



Maintenance

NOTE: Silicone lubricants and WD-40® are **NOT** recommended as they have a tendency to evaporate and dry the mating surfaces which leave them vulnerable to the elements.

1. Maintain clean and dry electrical connections at the two-way (motor connector) and three-way (switch connector) connectors. Inspect and clean all electrical connections every 12 months.
2. Clean all mud, salt, and road grime from the ball bearing slides before lubricating.
 - A. Wipe the ball bearing slides with a clean dry rag.
 - B. Lubricate with a dry lubricant that has Teflon™ as one of the properties.
 - C. If the ball bearings slider squeaks or makes noises, apply the dry lubricant to prevent and/or stop squeaks.
3. When the step well cover tray is extended,
 - A. Visually inspect the ball bearings for damage, road grime or debris.
 - B. Check for excess build up of dirt or other foreign material.
 - C. Remove any debris that may be present.



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