

# ELECTRIC REVERSE LOCKOUT

## INSTALLATION NOTES

### GENERAL NOTES

The Albins electric reverse lockout assembly is a replacement for the mechanical cable based interlock, and can be easily retrofitted to existing transmissions. Refer to the following steps, in conjunction with the exploded diagram, to complete the installation.

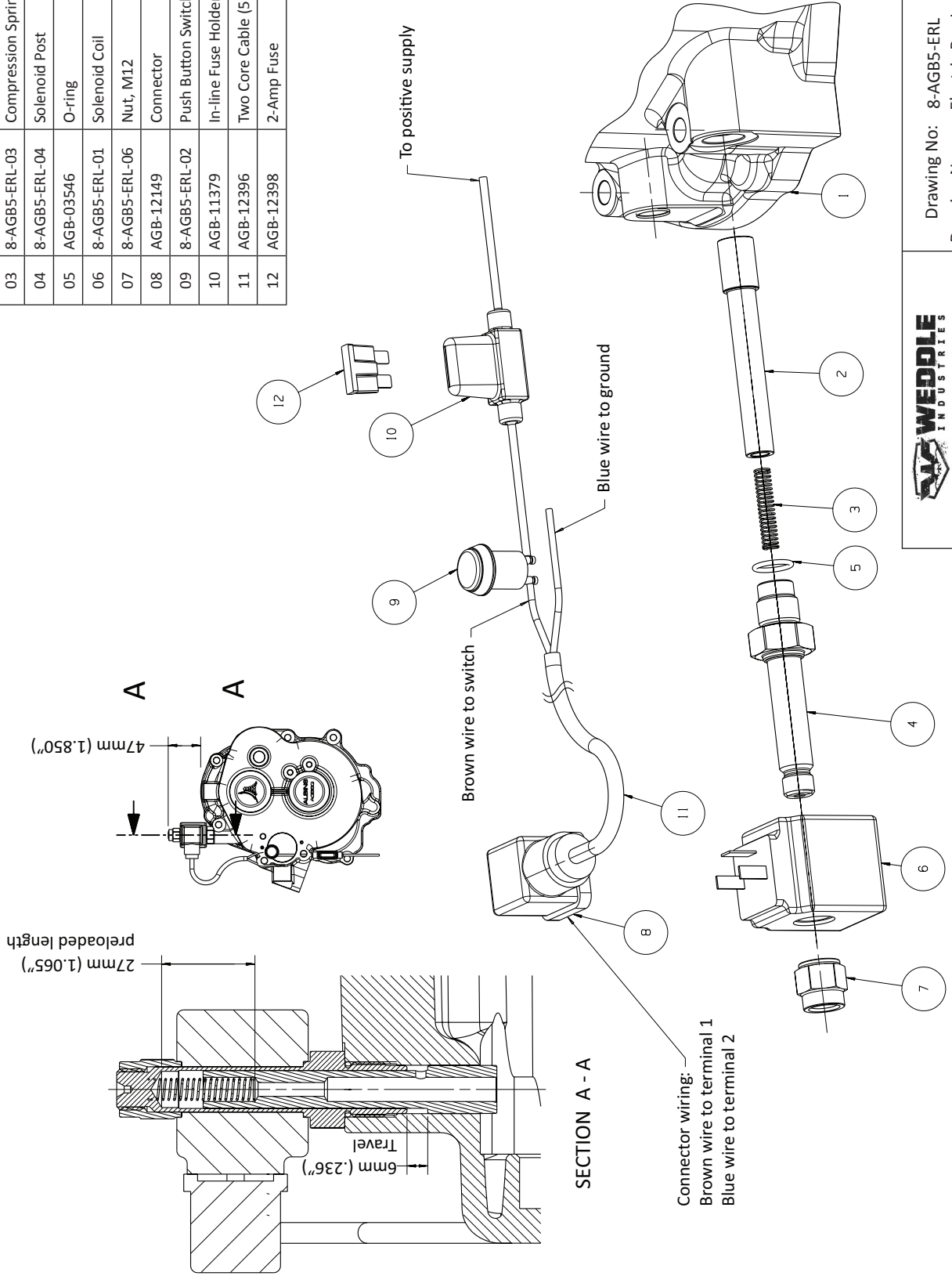
### INSTALLATION

1. Unscrew the mechanical cable fitting from the transmission front housing and remove the cable.
2. Clean any grease or rust preventative from the supplied parts.
3. Fit the o-ring (5) to the solenoid post (4).
4. Insert the spring (3) into the small end of the plunger (2), then insert the plunger into the solenoid post. The shoulder on the plunger should sit approximately 12mm away from the end of the solenoid post; more than this indicates that the spring may not be correctly seated.
5. Apply Loctite 243 thread locking compound (Weddle PN 9-LT243-50) to the threads on the solenoid post and screw it into the transmission front housing.
6. Place the solenoid coil (6) on the post, and fit the nut (7), again using Loctite 243 thread locking compound. The coil can be rotated to any convenient orientation.
7. Completely remove the retaining screw from the connector (8). Separate the cover from the connector by gently pressing with the end of the screw on the black plastic post through the hole in the cover.
8. Feed the end of the cable (11) through the cover. Strip the insulation, and connect the wires to the terminals according to the diagram.
9. Refit the connector cover and tighten the cable clamp. The cover can be fitted in four orientations; choose the one that places the cable entry in the most convenient position. Fit the connector to the solenoid, and secure it using the retaining screw, ensuring that the gasket is in place.
10. Find a suitable location for the push button switch (9), taking into account that you will need to be able to reach it while changing gear. It is advisable to drill the switch hole undersize and then file it out, to take advantage of the anti-rotation flats on the switch; alternatively, a suitable punch and die can be used if available.
11. Run the cable from the solenoid to the switch, ensuring that it is protected from mechanical damage and sources of heat. Connect the cable to the switch and to a reliable ground point.
12. Connect the fuse holder between the switch and a power source, extending the wires if necessary. The solenoid will require approximately 1.5A when operating. Ensure that the supply voltage will not drop excessively under load.
13. Apply power and test the unit. The button should be pressed before attempting to select reverse gear, and held until the gear is engaged. The lockout may not disengage if the button is pressed while force is being applied to the gear lever.

### IF YOU HAVE ANY QUESTIONS

Please call us at: **(805) 562-8600** or e-mail us at:  
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# ELECTRIC REVERSE LOCKOUT ACTUATOR



ITEM	PART NO.	DESCRIPTION	QTY
01	AGB-00352	Front Housing	1
02	8-AGB5-ERL-05	Plunger	1
03	8-AGB5-ERL-03	Compression Spring	1
04	8-AGB5-ERL-04	Solenoid Post	1
05	AGB-03546	O-ring	1
06	8-AGB5-ERL-01	Solenoid Coil	1
07	8-AGB5-ERL-06	Nut, M12	1
08	AGB-12149	Connector	1
09	8-AGB5-ERL-02	Push Button Switch	1
10	AGB-11379	In-line Fuse Holder	1
11	AGB-12396	Two Core Cable (5 meters)	1
12	AGB-12398	2-Amp Fuse	1

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