

Instructions for replacing throttle cross over relay part number A1330005-001 with Williams Controls cross over relay part number 134224

These instructions are only applicable when replacing throttle cross over relay part number A1330005-001 with Williams Controls cross over relay part number 134224, if you are replacing different part number relays, please contact Autocar Technical Support at 1-877-973-3486.

1. Remove cross over relay part number A1330005-001 from its mounting location.
2. Disconnect electrical connectors and remove relay from truck.
3. Leaving 3-4 inches of wire, cut the three connectors off of relay part number A1330005-001 (do not discard these connectors as they will be used on new relay part number 134224)
4. Prep the wires of the new relay part number 134224 and the wires on the connectors that were just removed from old relay, by stripping the ends and preparing for splicing.
5. Splice the wires from the connectors to the wires on the new relay part number 134224. Below is a table referencing what wire from the old relay is to be spliced with what wire from the new relay. You must follow this chart as some wire functions have changed from the old relay to the new. If you have any questions concerning this procedure please contact Autocar Technical Support at 1-877-973-3486.

Note: Wire colors in italics represent changes from the old relay to the new relay.

Connector	Old relay wire color	Connector pin location	New relay wire color
“Cab”			
	<i>Orange</i>	A	<i>Green</i>
	Blue	B	Blue
	Black	C	Black
	Not used	D	Not used
	Not used	E	Not used
	Red	F	Red
	White	G	White
	<i>Green</i>	H	<i>Orange</i>
“Remote”			
	<i>Orange</i>	A	<i>Green</i>
	Blue	B	Blue
	Black	C	Black
From power side of relay	Black	D	Black
From power side of relay	Red	E	Red
	Red	F	Red

	White	G	White
	<i>Green</i>	H	<i>Orange</i>
“ECU”	<i>Orange</i>	A	<i>Green</i>
	Blue	B	Blue
	Black	C	Black
	Not used	D	Not used
	Not used	E	Not used
	Red	F	Red
	White	G	White
	<i>Green</i>	H	<i>Orange</i>

After splicing all wires together and covering splices with heat shrink, reinstall throttle crossover relay and connect all electrical connectors. If you have any questions about this procedure please contact Autocar Technical Support at 877-973-3486.