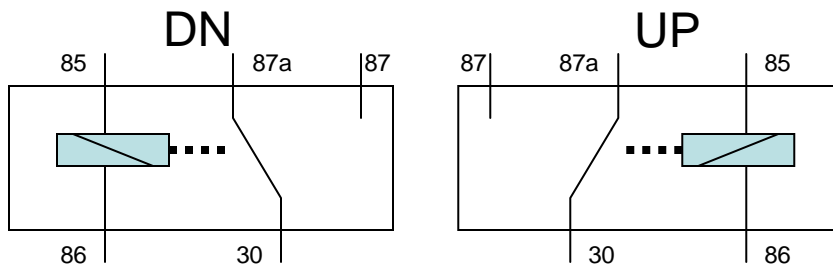


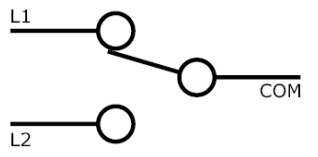
# Replacement of the 4Runner “rear power window relay”

Requires 2 SPDT 5-pole 12V relays. The relay must be marked with the following connectors – 85, 86, 87, 87a, 30. A 5 pole relay marked with two 87 connectors will not work.



Suggested part – Waytek 75602

[http://order.waytekwire.com/IMAGES/M37/catalog/220\\_061.PDF](http://order.waytekwire.com/IMAGES/M37/catalog/220_061.PDF)



Suggested part – Waytek 44304 or 44203

[http://order.waytekwire.com/IMAGES/M37/catalog/220\\_048.PDF](http://order.waytekwire.com/IMAGES/M37/catalog/220_048.PDF)

Or

[http://order.waytekwire.com/IMAGES/M37/catalog/220\\_052.PDF](http://order.waytekwire.com/IMAGES/M37/catalog/220_052.PDF)

The first generation 4Runner rear power window relay serves numerous functions, mostly about keeping you from opening the window when certain conditions are met, like the top is off, the tailgate is open, or the rear window console lock switch is closed. The design can either use those safety features or bypass all of them.

<u>color on</u> <u>vehicle wire</u>	<u>relay</u> <u>connector</u>
dn30	light blue (LB)/black (large guage)
up30	LB/yellow
dn86*	green/yellow & LB/white
dn85, dn87, up85, up87	LB
up86*	LB/Black (small guage) & red/yellow
up87a & dn87a	white/black

\*Note – this connection reuses the stock rear window console and tailgate key switches. In doing so, it also uses the top removal detection switch, the door closure detection switch, and two or three more interlocks. If these are really your problem and not a dead RWPR, then this whole effort is for naught.

If you want a whole separate switch to operate the rear window **NO MATTER WHAT**, then connect each of the 86 leads to an SPDT switch (two position momentary, diagram at left) whose center (com) lead is grounded. In other words, connect up86 to L1, dn86 to L2, and com to ground. Then this momentary switch will operate the rear window **no matter what** (even if the tailgate is OPEN!)