

# RTE Replacement Solid State Limiter IVR4 Manual

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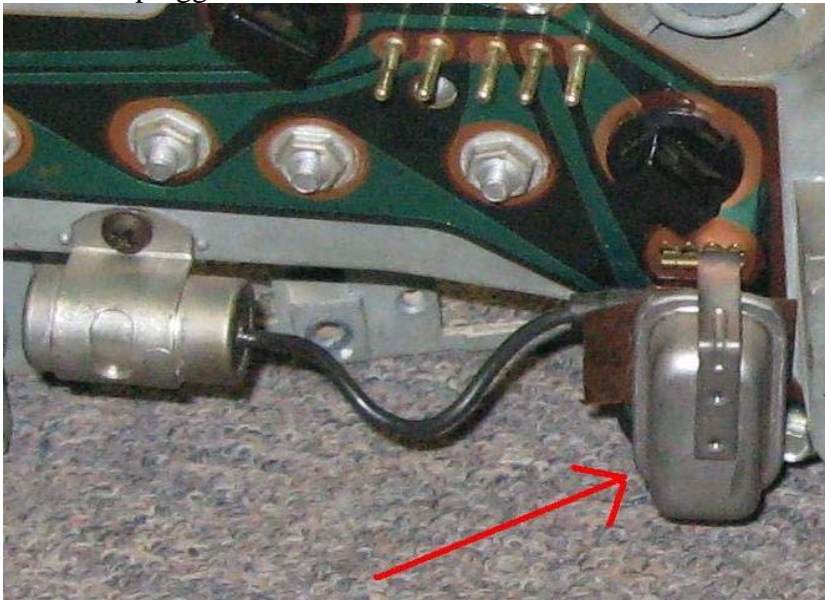
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The RTE IVR4 style solid state limiter replaces the limiter style that plugs into a circuit board on the back of your dash. If you don't have a circuit board, then you may need the RTE IVR3 style limiter, or you may have a dash that has the limiter built into the fuel gauge.

Installation instructions:

- 1) (Optional): Pull out or Remove the dash cluster from the car. (This is optional because it is possible to replace the IVR4 style while the dash is still in the car).
- 2) Locate the IVR4 original style mechanical limiter on the back of the dash cluster, where it should be plugged into the circuit board.



- 3) Remove the IVR4 style limiter. Please note that there is a condenser plugged into one of the slots where the limiter is plugged. Our limiter doesn't need the condenser since it doesn't have points, but we like to keep things as original as possible. In some cases there is a small

cardboard insulator between the limiter and the condenser wire, so you should re-install this insulator if it is present.

4) Re-install the new solid state IVR4 limiter, making sure that the condenser is plugged into the slot and that the insulator (if present) is also re-installed.

5) There is a small LED that will flash when the limiter is operating properly. You should be able to see the LED reflecting off the circuit board. If the LED is off all the time, it may mean that one of the gauges is shorted to ground. The limiter is short circuit protected, and once the short is removed, then the limiter will resume operation.

The RTE solid state limiter will accurately and reliably replace the original mechanical limiter. Our limiter exactly reproduces the waveform the original limiter has, including the initial warm up time that makes the gauges come up to the proper reading quickly. Other replacement limiters don't reproduce this original warm up time.

<b>Limiter Comparison Chart</b>			
	<b>Solid State Limiter</b>	<b>Stock Mechanical Limiter</b>	<b>Linear Regulator Limiter</b>
Protects gauges if unit becomes ungrounded	yes	no	No
Quick needle movement at ignition on time	yes	yes	No
Output is short circuit protected	yes	no	Yes
Built in operational display	yes	no	No
Insensitive to vibration	yes	no	Yes
Low heat generation	best	good	Poor
Gauge Response	good	good	Fair
Battery Drain	best	good	Poor

See our website for more information on other fine products that may help you with your Mopar restoration needs. <http://rt-eng.com>

Our website contains more information about which limiter style is used in which car here: [http://rt-eng.com/mediawiki/index.php/RTE\\_limiter](http://rt-eng.com/mediawiki/index.php/RTE_limiter)

We also have a large amount of technical information that is useful in the FAQ sections: [http://rt-eng.com/mediawiki/index.php/RTE\\_Faqs](http://rt-eng.com/mediawiki/index.php/RTE_Faqs)