



RTX-80F-PU

Dakota Digital RTX Instrument Installation
For 1980-1986 Ford Full-Size Pickup & Bronco

Your new RTX-80F-PU kit includes:

RTX Display



Universal Sender Pack



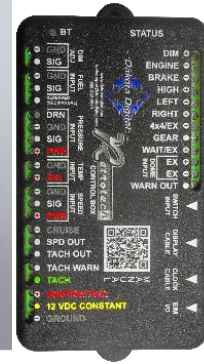
Buzzer



Installation Manuals



Switch Assembly



36" Main Harness

Alternator Load Harness (Used with 3 wire alternators)



7x Indicator Harness



Speed Sensor Plug

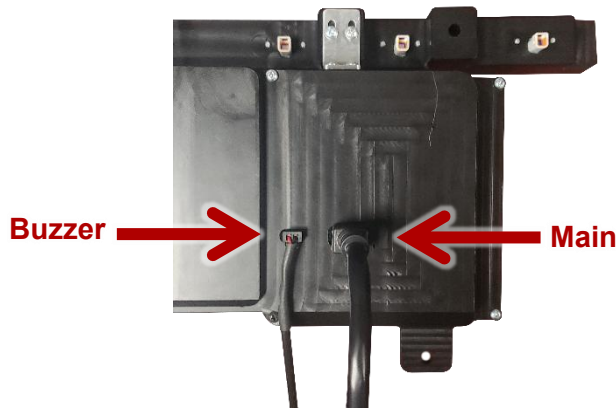


Installation

1. Remove the stock gauge cluster from the dash. Retain all screws and fasteners for re-assembly.



2. Connect the **36" Main Harness** to the back of the RTX system. Carefully route the open end of the harness to the desired control box mounting location. The included **Buzzer** may also be connected for optional audio feedback.



3. This system includes two indicator light options. Indicators are located both in the face of your new RTX display as well as in your vehicle's stock locations. To use the new indicators in the RTX face, follow the wiring instructions found in the main RTX manual.

If the stock locations are desired, do not wire the indicators to the RTX control box. Instead, use the seven provided two-wire harnesses. The harnesses plug directly into the connectors on the back side of your new RTX system:

WHITE\GREEN wire to INDICATOR CIRCUIT
WHITE\BLACK wire to CHASSIS GROUND



- 3a. The RTX display has been designed with an indicator color placement that represents the most common dash layout. In some cases, the dash may not match up with the indicator light colors on the RTX display, such as in the swapped red-to-outside version below. In this case, the RTX indicator LEDs may be swapped by removing the desired white acrylic lens and LED board underneath, and placing the different-colored LED in the desired location.

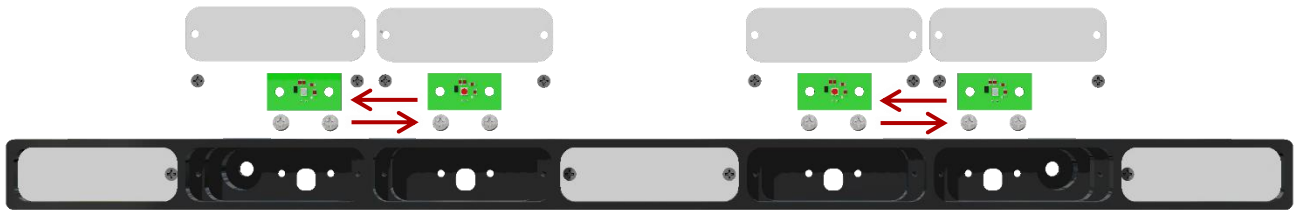
Common Layout (Green to Outside)



Uncommon Layout (Red to Outside)



LED Swap



4. Remove the four Philips screws circled below. Once the screws are removed, remove the white acrylic lens from the socket.



5. Test fit the original gauge housing over the RTX display. If the indicator panel doesn't fit into the housing properly, loosen the eight Philips screws indicated below and adjust as needed. Once adjusted, lightly tighten the Philips screws to prevent further adjustment.



6. Fasten the RTX display into the dash using the original four mounting screws.



7. Re-install the two white acrylic lenses and four Philips mounting screws.



- Reassemble the system into the dash in reverse order of removal. Refer to the Main RTX Manual for control box wiring and setup instructions.

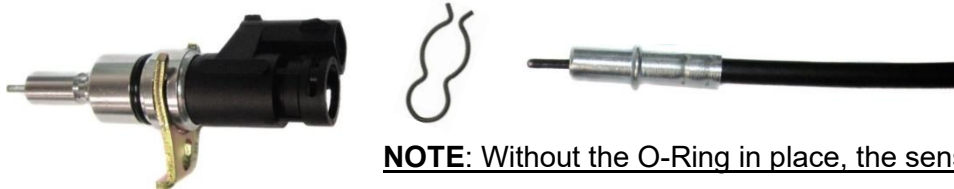


- Stock 3-Wire alternators may need an additional wiring connection at the gauge cluster connector. You will need to add resistance from the Red/LT GRN wire in the 12th pin location to the LT GRN/RED wire in the 11th pin location. This will 'excite' the alternator telling it to begin charging. Use the included alternator load harness.

NOTE: To connect VSS on EFI applications with factory speed sensor: splice into the gray/black (VSS+) wire at the speed sensor; connect this to the speed input (SPD SND) terminal on your control box. Consult a wiring diagram specific to your model and trim level to locate the VSS + wire from the speed sensor.

Installation of the Ford Speed Sensor Plug

- Remove the retainer clip that secures the speedometer cable inside the speed sensor. Carefully pull out the speedometer cable, making sure the stock O-ring remains in place.



NOTE: Without the O-Ring in place, the sensor will leak.

- Replace the speedometer cable with the provided plug and reinsert the retaining clip to keep it in place.



- Splice into the gray/black (VSS+) wire at the speed sensor. This must be connected to the speed input (SPEED INPUT: SIG) terminal on your control box. Consult a wiring diagram specific to your model and trim level to locate the VSS+ wire from the speed sensor.

⚠️WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



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