



RTX-97F-PU

Dakota Digital RTX Instrument Installation
For 1997-'04 Ford F150, F250, F350 or Expedition

Your new RTX-97F-PU kit includes:

RTX Display



Universal Sender Pack



Buzzer



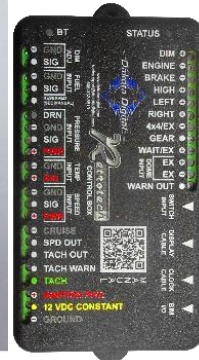
Installation Manuals



Switch Assembly



36" Main Harness



Control Box

Alternator Load Harness (Used with Three-Wire Alternators)



Speed Sensor Plug



Installation

****Please note: Model years '99-04 using the factory drivetrain may be required to disable the PATS system prior to removing the OEM gauge cluster. Removing the OEM gauge cluster prior to disabling the PATS system may result in a no start condition. Disabling the PATS system is typically done through aftermarket ECU tuning software. If you don't have access to ECU tuning software you will need to contact your local vehicle performance shop to perform the PATS disable for you.**

1. Disassemble the dash and remove the stock gauge cluster by removing the four screws holding the system to the dash structure. Retain all hardware for reassembly.



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. Mount the RTX display to the dash structure using the four retained factory screws.



4. Reassemble the dash in reverse order. Refer to the main RTX manual for control box wiring and setup instructions.

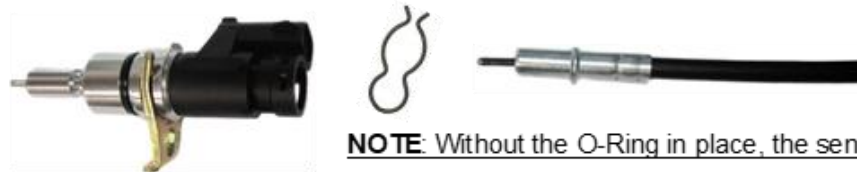


5. Stock 3-Wire alternators may need an additional wiring connection at the gauge cluster connector. You will need to add resistance from the Red/LT GRN wire in the 12th pin location to the LT GRN/RED wire in the 11th pin location. This will 'excite' the alternator telling it to begin charging. This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

1. 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.

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



3. 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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