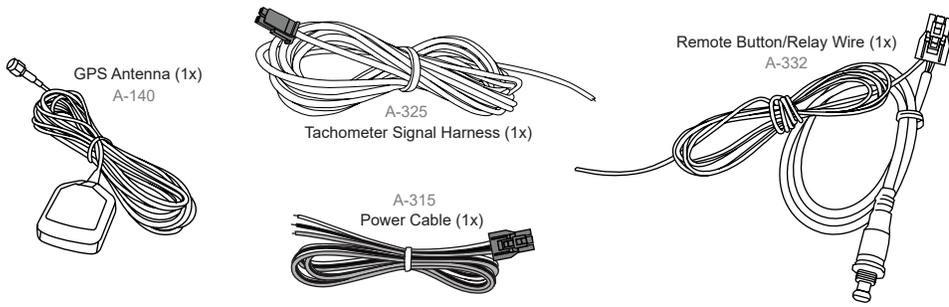




TX-3 (Playback Tach) Instructions (4-1/2")



INSTALLATION

- 1 DISCONNECT your vehicle's negative (-) battery cable.
- 2 CONNECT the gauge wiring.
- 3 MOUNT your gauge to the panel or pedestal using the spin lock ring.
- 4 RECONNECT your vehicle's negative (-) battery cable.

When mounting, ensure that wire connections in back of tachometer are protected from wet conditions. Front of tachometer is water resistant.

WHITE: +12v Dash Lighting (Gauge lighting)
 BLACK: Ground
 RED: +12v Accessory Power (Main Gauge Power)

ATTENTION: Power Draw = 0.2 amp.
 5 amp In-Line Fuse recommended for +12v Keyed Ignition.

TACHOMETER SIGNAL WIRE

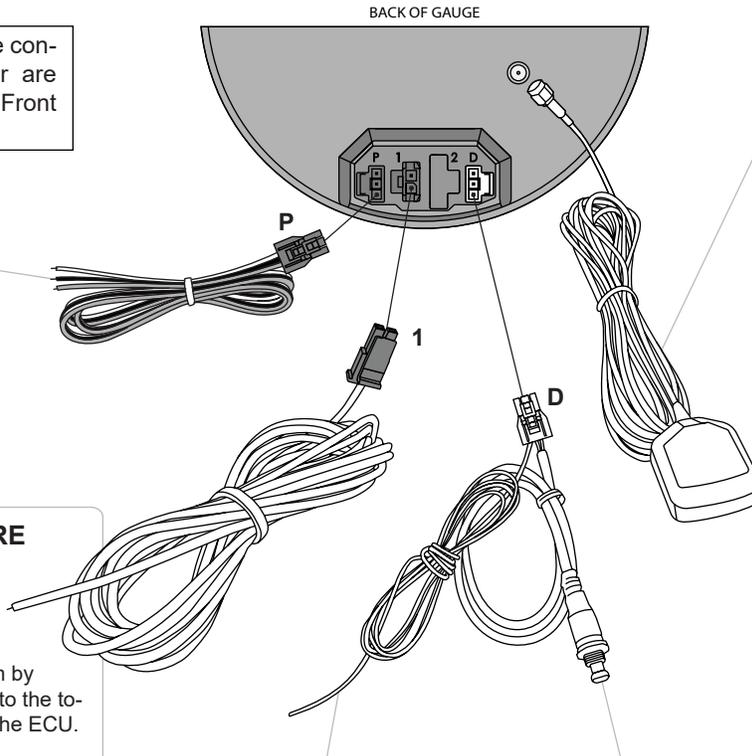
The vehicle's type of ignition system determines the correct Pulses Per Revolution (PPR).

Identify your vehicle's ignition system by comparing the total # of spark plugs to the total # of engine coils, or by checking the ECU.

Use the table on page 3 to determine the ignition type and PPR.

GREEN WITH STRIPE: Relay (Figure 2: Relay Wiring Schematic).

REMOTE BUTTON: Mount where convenient.



GPS CONNECTION

The Playback TX-3 will auto-save your satellite position, allowing the GPS to acquire signal within 10 seconds after power up. When powered off for more than 4 hours, GPS signal will take 30-60 seconds to acquire due to satellite movement.

The GPS Antenna is waterproof and magnetic, and can receive signal through all thin materials except for metal. Optimal mounting locations are vehicle roof or top of dashboard.

- 1 CONNECT GPS Antenna securely to threaded post on back of Tachometer.
- 2 MOUNT GPS Antenna with maximum exposure to the sky, with the magnetic side facing the ground.

⚠ WARNING: HIGH VOLTAGE CAN BE PRESENT ON IGNITION WIRES.

Ensure engine is OFF before connecting yellow tachometer signal wire to a coil.

DO NOT SPLICE tachometer signal wire directly into a spark plug wire. This will damage the tachometer.

Connecting signal wire to the wrong coil will NOT damage the tachometer.

Wear eye protection during installation.

DETAIL MONITOR VIEW

Press the remote button to toggle between the following screens:

Current RPM



Current Speed





MENU BUTTON: SETUP

- 1 PRESS MENU button to open main menu.
- 2 PRESS and hold PEAK button to enter Option Settings.
- 3 TOGGLE through the following options with MENU and PEAK buttons:

Playback Speed

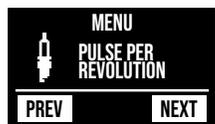


1:1 plays back in real time.

1:3 plays back in 1/3 time.

- 1 PRESS AND HOLD PEAK button to edit settings.
- 2 HIGHLIGHT desired playback speed with MENU and PEAK buttons.
- 3 After a small delay, the highlighted selection will save.

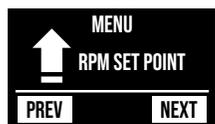
Pulses per Revolution (PPR)



See Figure 1 (page 3) to determine the correct PPR setting for your application.

- 1 PRESS AND HOLD PEAK button to edit settings.
- 2 HIGHLIGHT desired PPR setting with MENU and PEAK buttons.
- 3 After a small delay, the highlighted selection will save.

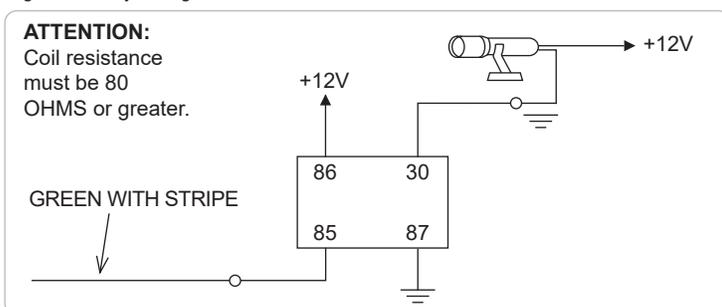
RPM (Trigger) Set Point



Sets RPM where relay wire will activate relay or other connected device. Below RPM set point, trigger wire will be open float. When RPM passes set point, trigger wire will pull to ground.

- 1 PRESS AND HOLD PEAK button to edit settings.
- 2 MOVE pointer to desired RPM setting with MENU and PEAK buttons.
- 3 After a small delay, the selected RPM setting will save.

Figure 2. Relay Wiring Schematic



Recording Time



1 minute = 100 samples/second.

5 minutes = 20 samples/second.

10 minutes = 10 samples/second.

20 minutes = 5 samples/second.

- 1 PRESS AND HOLD PEAK button to edit settings.
- 2 HIGHLIGHT desired length of recording with MENU and PEAK buttons.
- 3 After a small delay, the highlighted selection will save.

Recording Threshold (RPM)



When set at 0, recording starts on Remote or PEAK button press/hold. When set past 0, button press/hold delays recording start until RPM reaches selected threshold.

LED blink: waiting to reach set RPM.

LED solid: actively recording.

- 1 PRESS AND HOLD PEAK button to edit settings.
- 2 MOVE pointer to desired RPM setting with MENU and PEAK buttons.
- 3 After a small delay, the selected RPM setting will save.

Help



Displays contact info and firmware version.

For assistance, please contact us:

Exhaust Gas Technologies

1-800-348-4678

www.exhaustgas.com

- 1 PRESS AND HOLD PEAK button to view data.

Restore Defaults



For troubleshooting and technical support, the factory default settings can be restored.

- 1 PRESS AND HOLD PEAK button to access settings.
- 2 PRESS AND HOLD YES button to restore factory settings. (Press and hold NO to exit the menu.)



PLAYBACK MENU



REW: Hold to rewind. Press for frame-by-frame.
 PLAY/PAUSE: Play/pause run.
 END: Exit run. Run stores until next recording.
 FF: Hold to fast-forward. Press for frame-by-frame.

- 1 PRESS MENU button to open main menu.
- 2 PRESS AND HOLD MENU button to begin playback. Gauge will play run back at set playback speed (1:3 or 1:1).
- 3 TOGGLE through options with MENU and PEAK buttons.

Recording a Run



The playback tachometer can only store 1 run at a time. A run will remain saved until a new run is recorded.
 The tachometer will record for the set amount of time (1, 5, 10, or 20 minutes).

- 1 PRESS AND HOLD remote button or PEAK button for 2 seconds.
- 2 Recording will start and LED will light up solid blue.
- 3 If threshold RPM is set up, the blue LED will flash when the button is pressed, and will solidify when threshold RPM is reached and recording starts.

Figure 1. Determining PPR

	Distributor-Based (Single-Coil)	Wasted-Spark (Distributorless) (Coil Packs)	Coil - On - Plug (COP)	OEM ECU Connection	Aftermarket ECU Connection
12 Cyl (4-Stroke)	6 PPR	1 PPR	0.5 PPR	6 PPR	6 PPR
10 Cyl (4-Stroke)	5 PPR	1 PPR	0.5 PPR	5 PPR	5 PPR
8 Cyl (4-Stroke)	4 PPR	1 PPR	0.5 PPR	4 PPR	4 PPR
6 Cyl (4-Stroke)	3 PPR	1 PPR	0.5 PPR	3 PPR	3 PPR
4 Cyl (4-Stroke)	2 PPR	1 PPR	0.5 PPR	2 PPR	2 PPR
2 Cyl (4-Stroke)	1 PPR	1 PPR	0.5 PPR	1 PPR	1 PPR
1 Cyl (4-Stroke)	0.5 PPR	1 PPR	0.5 PPR	0.5 PPR	0.5 PPR
3 Cyl (2-Stroke)	3 PPR	3 or 6 PPR	1 PPR	3 or 6 PPR	3 or 6 PPR
2 Cyl (2-Stroke)	2 PPR	2 PPR	1 PPR	2 PPR	2 PPR
1 Cyl (2-Stroke)	1 PPR	2 PPR	1 PPR	1 PPR	1 PPR

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