

# INSTALLATION INSTRUCTIONS

## 3-3/4" TACHOMETER (W/SHIFT-LIGHT)

### SMOKE LENS SERIES

OPENING CEREMONY

#### 1 BEFORE YOU START

1. Read instructions completely before installation.
2. Install tachometer only when engine is cool and ignition is off.
3. Make sure all necessary tools, materials, and parts are on hand.
4. Refer to your vehicle's service manual for the location of tachometer sensor port, vacuum system, and/or charging system.
5. Disconnect negative (-) battery cable before installing tachometer.

NOTE: It may be necessary to reprogram your radio, clock, etc. after reconnecting the battery.

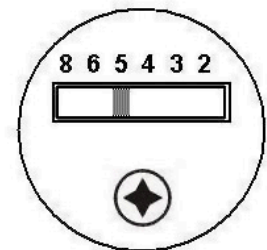
6. Make sure mounting location does not impair visibility of interfere with driving. Also check behind the mounting location for any wiring or components before drilling.
7. When connecting electrical wire, install crimp terminals and make wire splices as needed. ALWAYS insulate wire splices with electrical tape to prevent shorting.
8. Follow all necessary safety procedures for protection.

#### 2 ENGINE CYLINDER SELECTION

The tachometer is designed for use with 2.3.4.5.6.8 cylinder engines only.

The cylinder select switch on the rear of the tachometer must be set prior to installation.

Use your finger or a small screwdriver to slide the cylinder select switch to the appropriate position; 2.3.4.5.6 or 8.



#### 3 MOUNTING

You can mount your tach on or under the dashboard or on the center console according to your personal choice. Determine best position for good visibility before drilling screw holes.

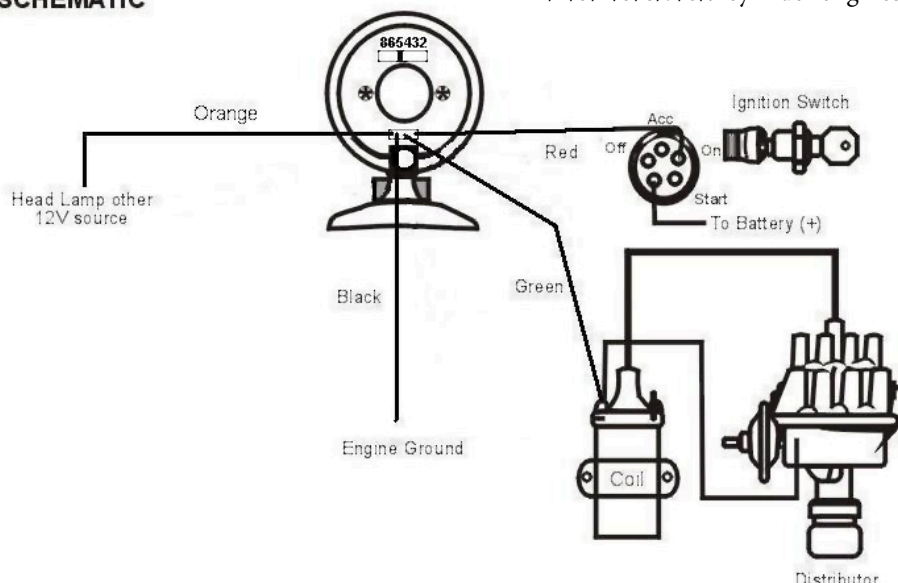
#### 4 TACHOMETER CONNECTION

1. Connect tachometer ground (BLACK) wire negative (-) battery terminal or to a good chassis ground.
2. Connect tachometer power (RED) wire to a switched + 12V circuit at fuse box, or splice into any vehicle harness wire which is energized ONLY when ignition key is ON (RUN) position.
3. Connect tachometer lighting (ORANGE) wire to panel lights circuit at fuse box, or splice into any vehicle harness wire connected to the panel lights circuit.
4. Connect tachometer signal (GREEN) wire to appropriate vehicle tachometer signal source.

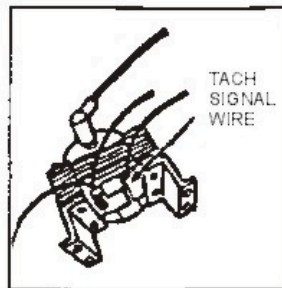
5. Secure lead wires along their route to prevent damage from sharp edges, moving parts or hot engine components.
6. Turn on ignition. DO NOT START ENGINE Tachometer pointer should rotate to minimum or "0" when ignition is turned on.
7. Start and run engine. Rev engine several times and verify tachometer indication changes as rpm increases and decreases. Make sure tachometer pointer operation is smooth and even.

\*Note: this is an electronic tachometer and thus requires a square wave electronic signal. This Tachometer is designed for use with 1/2/3/4/5/6/7/8/9 cylinder engines.

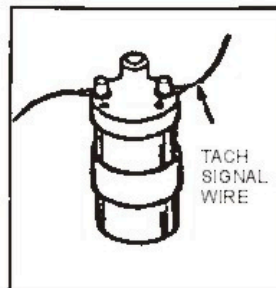
SCHEMATIC



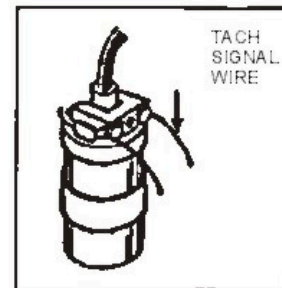
**IMPORTANT:** Tachometer signal (GREEN) wire connections vary with vehicle make, model, and ignition type. Typical tachometer signal source locations are shown in the accompanying illustrations. Always consult the service manual for the vehical you are working on to ensure proper connection.



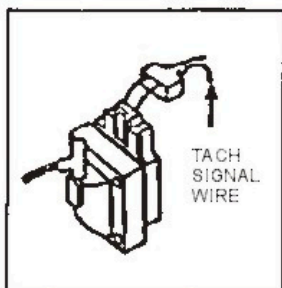
GM EXTERNAL COIL  
HEI (1974-1986)



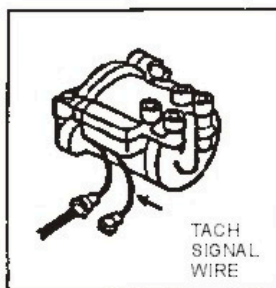
CHRYSLER 6 AND 8  
CYLINDER (1972-1986)



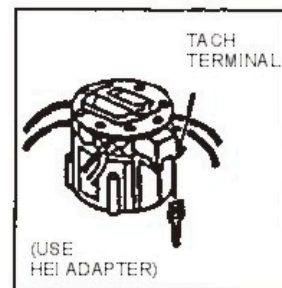
FORD DURASPARK AND  
SOLID STATE  
(1975-1986)



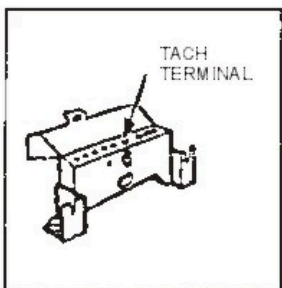
FORD TFI SYSTEMS  
(1981-1986)



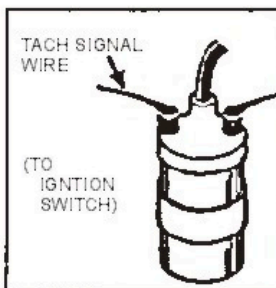
TOYOTA INTEGRATED  
IGNITION ASSEMBLY  
(IIA) (1983-1986)



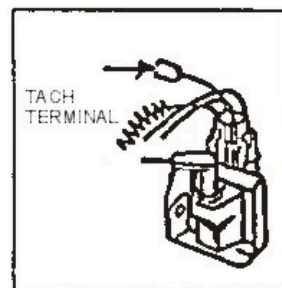
GM INTEGRAL COIL  
HEI (1974-1986)  
(USE HEI ADAPTER)



GM DIAGNOSTIC  
CONNECTOR AND HEI  
(1976-1982)



FORD ALL BREAKER  
POINTS AND ELECTRONIC  
IGNITIONS (1974)



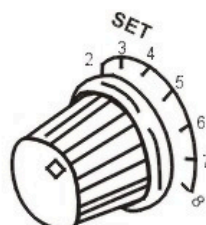
DELCO EXTERNAL COIL HEI  
WITH SEALED CONNECTOR  
(1986-PRESENT)

## 5 SET POINTER

Some models are equipped with a manually adjustable secondary pointer for reference in shifting and can be set to indicate maximum allowable PRM for your engine.

## 6 SHIFT LIGHT OPERATION (For Shift Light Tachometers Only)

The Shift Light can be used to provide a visual indication of engine Red Line (maximum safe engine speed) or engine maximum torque RPM (for maximum horsepower when shifting). Operation of the Shift Light is controlled by the SET knob located on the lower left side of the tachometer.



Rotate the SET knob to the desired engine RPM. When the tachometer reaches the SET point, the Shift Light will turn on. The Shift Light will remain on until engine RPM falls below the set point.

Shift-Light

