



Turbo Timer Type-1 Installation Manual

Parts List

#	Part No.	Description	Quantity	Remarks
1	4101-RA011	Main Unit (Silver)	1	
	4101-EX001	Main Unit (Black)		
2		Splice Connector	3	Red
3		Parking Brake Wire	1	Gray
4		RPM Signal Wire	1	Brown
5		Speed Sensor Wire	1	Blue
6		Double-sided Tape	1	
7		Tie Wrap	3	100mm

1. Key Switch Connector

Remove the steering column cover to locate the key switch connector.

- Some vehicles may have the key switch connected directly to the main connector plug.
 - To ensure a proper connection, use an HKS Turbo Timer harness (call for application).
- (1) Remove the cable from the negative terminal of the battery.
 - (2) Connect the Turbo Timer harness in between the key switch connector and main connector plug.
Note: If no Turbo Timer harness is available, connect the following behind the main connector plug:
Red – [12] volt constant
Green – [12] volt ignition
Blue – [12] volt accessory

(3) Connect the 3Pin connector to the Turbo Timer.

(4) Connect the black ground wire onto a good chassis ground. To ensure a good ground, make sure there is no paint below the mounting surface (sand if necessary).

2. Connecting the safety circuit wire

(1) Connect the gray wire from the Turbo Timer to the supplied gray parking brake wire.

(2) Using the supplied splice connector, connect the gray parking brake wire to the vehicles parking brake wire.

Note: If the gray wire is left open or if the parking brake is down, the Turbo Timer will not countdown.

3. Connecting the rpm signal wire

(1) Connect the brown wire from the Turbo Timer to the supplied brown rpm signal wire.

(2) Refer to the corresponding vehicle list to find the correct ECU diagram.

(3) Using the supplied splice connector, connect the brown rpm signal wire to the corresponding “I” in the ECU signal diagram.

Note: This rpm signal must be a [5] volt digital signal. If using a [12] volt analog signal, use part # 4299-RA004.

4. Connecting the speed sensor wire

(1) Connect the blue wire from the Turbo Timer to the supplied blue speed sensor wire.

(2) Refer to the corresponding vehicle list to find the correct ECU diagram.

(3) Using the supplied splice connector, connect the blue speed sensor wire to the corresponding “S” in the ECU signal diagram.

5. Securing the main unit

(1) Wipe off dust, water, or oil using a dry cloth where the unit will be placed.

(2) Use the supplied double-sided tape to secure the unit.

(3) Clean up the wiring using tie wraps in various locations.

6. After installation

(1) Reinstall all removed parts back to their original positions.

(2) Reconnect the negative cable onto the battery.

Note: If the vehicles battery is replaced or jumped, unplug the Turbo Timer 3-pin harness to avoid any possible voltage spikes which may damage the Turbo Timer. Reattach the Turbo Timer 3-pin harness after the battery is reconnected.