

3 Procedure before installing and wiring this product

CAUTION

- Do not use on vehicles that are not equipped with DC12V.
- Use the included vehicle specific harness list to ensure proper installation.
- Refer to separate Harness Instruction Manual for installation of the Harness.
- Do not use harnesses manufactured by other parties.
- Remove accelerator pedal position connector at least 15 minutes after the vehicles' "IGNITION OFF". Otherwise, some vehicle might throw a "Check Engine Light" (CEL).
- Please refer to the FAQ section in this manual for this case.
- We recommend to install this product with the battery terminals connected. If installation is proceed with the battery terminals disconnected, recorded ECU memory, idling learning system, anti-theft systems, vehicle radio security systems, etc. may be reset. In this case please refer to your vehicle's factory owner's manual for further information.

1. Confirm the location of the Accelerator Position Sensor
In most vehicles, the sensor is located at the base of the accelerator pedal. Some sensors may be hard to find as they are covered.
2. Confirm the connector position of the Reverse-Gear Harness and make sure that the Reverse Gear Harness can be connected properly.

The reverse gear harness is used by wiring into the Reverse Gear Signal so that the vehicle can be driven under normal "Stock" setting when in the Reverse Gear position. (Note: The Reverse Gear Signal wire will show 12V when the key is in the "Ignition ON" position and in the reverse gear position. The signal wire will show 0V in other gear positions.) Be sure to confirm connections prior to installation as the key cannot be in the "Ignition On" position during the installation process.

3. Be sure to prevent the male splice fitting on the end of the grey colored wire that comes out of the Main Unit from coming in contact with other parts during the installation process. Temporarily use electrical tape to prevent this occurrence.

5 Accelerator Pedal Position Sensor Connector Removal

1. Set the gear into the neutral position or park position and engage the emergency-brake.
2. Make sure the connectors at both the vehicle and product sides are the same shape. If the shapes are different from each other, do not connect and find another harness connector with a suitable shape.
3. Make sure to remove the accelerator positioning sensor connector after ignition has been "off" for 15 minutes or more. If the sensor connector cannot be disconnected, remove the accelerator pedal if necessary.

NOTICE

- In some vehicles, the accelerator position sensor connector can be located under a cover, please remove the cover and find the connector carefully.
- In some cases it's not easy to remove the connector. If so, we recommend you to warm the connector using a dryer or heat gun in order to avoid possible damage of the connector.

6 Installation of Vehicle Specific Harness

- Install Vehicle Specific Harness according to the Harness Instruction Manual. The shape of the Harness connector differs by vehicle. Be sure to cross reference the Harness with the vehicle and the separate Harness Instruction Manual.
1. Push in the Vehicle Specific Harness into the connector of the Accelerator Position Sensor Connector.
 2. Harness connectors for both the Product side and Vehicle side has 6 terminals, be sure to properly confirm the shape and direction of each connector.

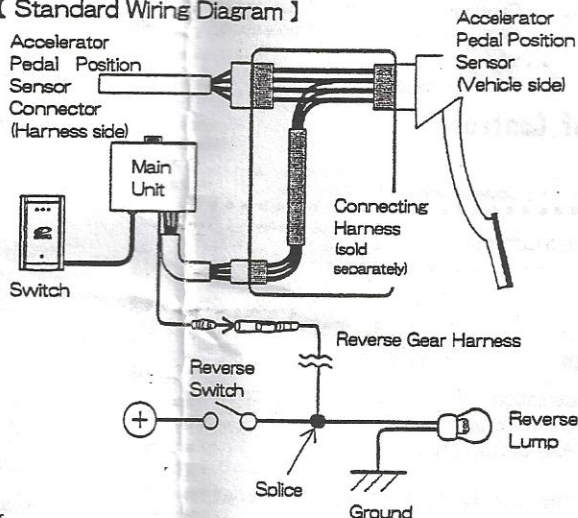
WARNING

- Ensure the shape and direction of each sides of the Harness Connectors. If the shape and/or direction are not correct, it can cause possible damage to the Product and/or sensor which can result to a "check engine light" to come on.

4 Wiring Procedures

- Refer to the below wiring diagram. [5. Accelerator Pedal Position Sensor Connector Removal] Connect the following according to the below description: Vehicle Specific Harness, Main Unit, Operating Switch, Accelerator Pedal Position Sensor Connector and Reverse Gear Harness according to drawing.

[Standard Wiring Diagram]



How to use the Splices

- ① Remove 5mm of the wire cover from the connecting wire
 - ② Strip 10mm from the other connection wire
 - ③ Wrap the two wires together
 - ④ Securely fasten together other connection wire
-
- * be sure to cover the connection with electrical tape

7 Reverse Gear Harness Installation Procedures

- The Grey colored wire coming out of the main unit of the product is used to cancel the throttle control settings while driving in Reverse.
※ At this time remove any protective tape or cover you may have put on the male connector. Be careful not to remove the male splice connector.
1. Connect the Reverse Gear Harness wire to the Reverse Lamp Signal wire using a splice. (Refer to: Std. Installation Diagram) (Confirm that the reverse lamp signal wire is 12V when the ignition is "On" and in reverse gear and 0V when in other gear positions).
 2. Connect the female connector of the Reverse Gear Harness with the male connector of the control unit side tightly.

WARNING

- Failure to connect the Reverse Gear Harness may cause difficulty in fine tune throttle adjustments, as well as, result in sudden movements of the vehicle that can lead to dangerous accidents. Please be sure to install the reverse gear harness so that throttle control can return back to normal "stock" settings.

8 Mounting the Product

1. Mount the operating switch in a location that will not interfere with driving with the supplied double-sided tape.
2. Be sure to check the connection between the operating switch and main unit.
3. Mount the main unit and harnesses in a location that will not interfere with driving. Use supplied zip ties to wrap harnesses.
4. Return the Accelerator Pedal to the original position if removed during the installation of the Accelerator Pedal Position Sensor Connector.
5. Return any covers or components to the original position after installation.

WARNING

- Ensure that all wiring is not tangled and in the way of driving safely.
- Mount the Operating Switch in a location that will not affect your driving. Ensure the operation and function of the Products to be working. Otherwise, may cause serious injury or accident.