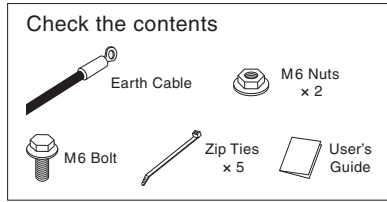


# IGNITION EARTH

IGNITION EARTH CABLE

## USER'S GUIDE

Thank you for purchasing PIVOT "IGNITION EARTH". Please read these instructions carefully before installing or using this device. Please do not lose this user's guide, as you will held liable for the cost of reissuing it.

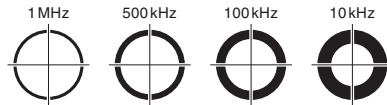
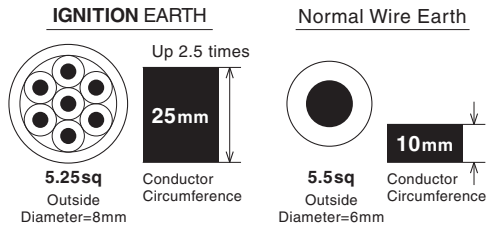
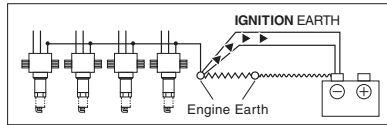


This product is designed to primarily improve the performance of electrical aspects in your car and may or may not result in improvements in torque and/or gasoline mileage. Differences in the level of improvement will vary according to the type of car model and driving style.

## FEATURES

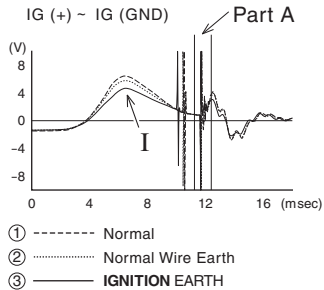
### Improved Combustion with Composite Earth Cable.

The additional earth wire on our Composite Earth Cable has a conductor circumference 2.5 times the normal wire. This improves the firing speed by reducing voltage loss and increasing conductivity of high frequency waves released by the ignition coil. Moreover, by facilitating ionization during combustion, it improves gas mileage and engine torque. (Patent pending)

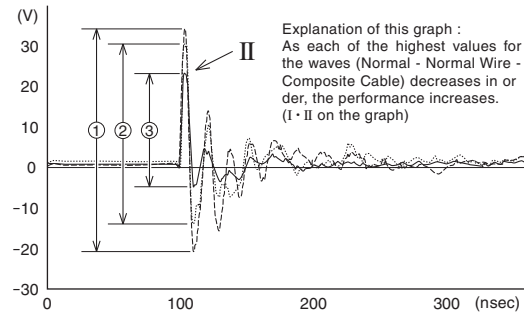


In a normal wire, the current in a section of a conductor in response to frequencies are 10kHz=98%, 100kHz=40%, 500kHz=8%, 1MHz=0.4% with the higher the frequency the more the current concentrates in the outside wall of the conductor resulting in poor conductivity. However, our composite design with a widened outside conductor wall provides superior conductivity for high range frequencies.

Example of Ignition Coil Frequency (SUZUKI WAGON R MH21S; Alternate current)



Part A (Time Enlarged)



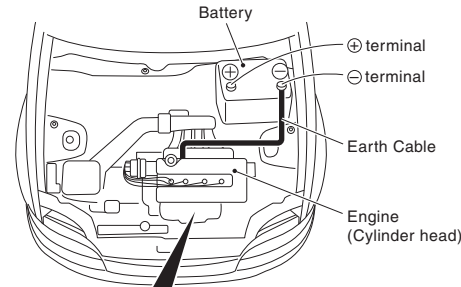
## WARNINGS

**!** Make sure wiring is correct to the battery  $\oplus$  and  $\ominus$ . Mixing these up may cause a short circuit and subsequent malfunction to the product or your car.

**!** This product is for DC12V cars; installation cannot be carried out on cars with other voltage batteries.

## ATTACHING TO VEHICLE

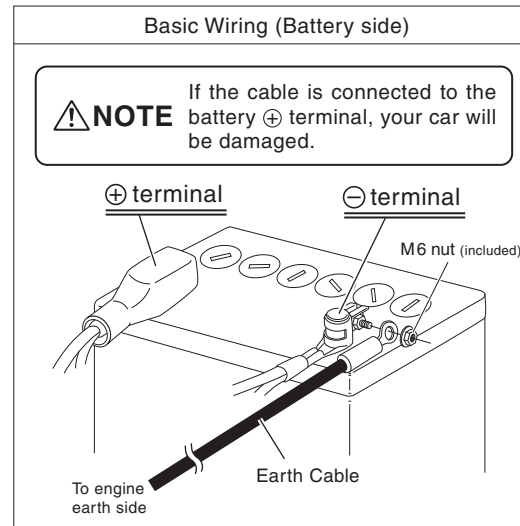
### 1 Check all connections



**!** Can't connect to the exhaust side (muffler side) screw.

### 2 Connect the Earth Cable to the battery $\ominus$ terminal

Fasten by inserting the earth cable terminal between the battery  $\ominus$  terminal and the provided M6 nut.



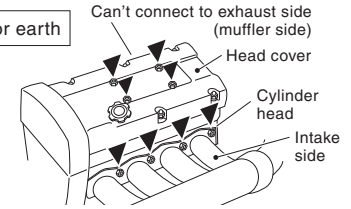
### 3 Connect the Earth Cable to engine side

Fasten the earth cable terminal at the ground screw.

**!** Example of connection for earth

#### NOTE

- The exhaust side screw becomes very hot, so do not attach to that side.
- Please make sure to use a screw which is  $\phi 8$  or less.



#### REFERENCE

If you can loosen the screw but cannot remove it, cut the end of the terminal with pliers or other tool and squeeze the terminal into the space and tighten it on as you tighten the screw.



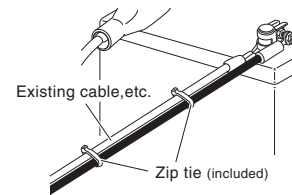
### 4 Pull together any extra cable

Gather the extra cable together using the zip ties.

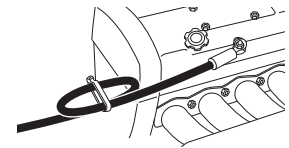
#### WARNING

Please fasten the cable as far away as possible from the hot places like the exhaust side and make sure not to touch that place.

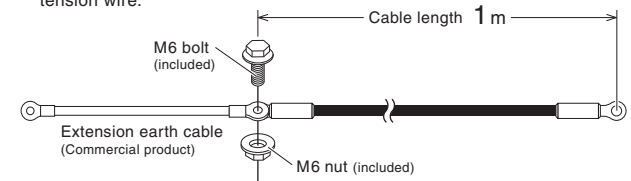
Fasten with other cables



● If there is enough cable, do not cut the extra cable, but gather together using the zip ties.



● If there is not enough cable, use some other earth cable to create an extension wire.



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**Pivot**

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