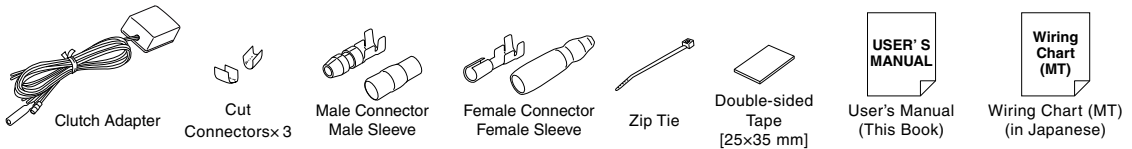


USER'S MANUAL **Manual Transmission Clutch Adaptor** (Product Number: THA-MA1/MA2)

This product is a Manual Transmission Clutch Adaptor specifically designed for use with our 3-drive Series(Cruthro).

| | | | |
|---|--|---|---|
| <p>⚠ WARNING</p> <p>Improper use or disregard of these warnings may result in the injury or death of people.</p> | <p>● Do not use in conjunction with products from other manufacturers. In such a case, PIVOT Corporation accepts no responsibility, in any manner whatsoever, for any damage or trouble, direct or indirect.</p> | <p>⚠ CAUTION</p> <p>Improper use or disregard of these warnings may cause injury to persons, damage the product and/or other things.</p> | <p>● When installing this product, we recommend that if technical knowledge becomes necessary please consult a qualified mechanic.</p> <p>● PIVOT accepts no responsibility whatsoever, direct or indirect for any troubles that may occur if this product is modified or used in conjunction with another company's product.</p> <p>● Do not use electrotap.</p> |
|---|--|---|---|

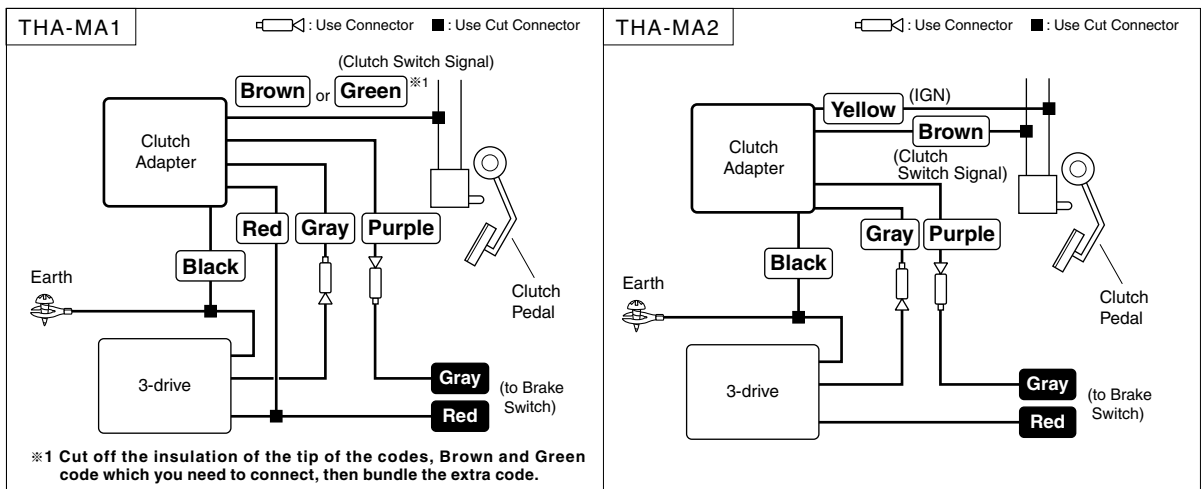
Please check the contents of the package.



⚠ If the clutch switch wiring has been changed in any way to connect to a different product, make sure to return it to its original condition.

⚠ If the product is not installed properly it may result in poor operation including that the product does not work or the AUTO CRUISE function does not run properly.

Basic Wiring ※For details about the connection position for the clutch switch signal, please see the attached sheet "Wiring Chart (MT)".



[Reference 1] How to use the Connectors (Figure is shown using a male connector)

- Pull the cable through the male sleeve.
- Remove about 10 mm of the cable casing.
- Turn back the tip of the wires.
- Connect the male connector to the end of the cable.
- Crimp down with crimpers to make sure that the inner wires are firmly connected to the inner part of the connector and that the cable section is connected to the outer part of the connector.

Crimp these places
- Affix the male sleeve to the places as mentioned above.

※After connecting the male and female connectors, make sure to firmly twist the male sleeve inside the female sleeve.

[Reference 2] How to use the Cut Connectors

- Peel off of the vinyl cover at connection.
- Peel off of the vinyl cover at the end of the product's wire.
- Wrap around both wire coils.
- Close tightly with cut connector.
- Insulate with vinyl tape.

※When crimping, please use crimpers or use pliers to bend and then solder together.

Connecting The Wires

1 Connect to the Clutch Switch Signal (Common for both THA-MA1 and THA-MA2)

Wiring Chart (MT)

After confirming the connection position for your model car as shown on the attached sheet "Wiring Chart (MT)", connect the **Brown** or **Green** wire using one of the supplied cut connectors.

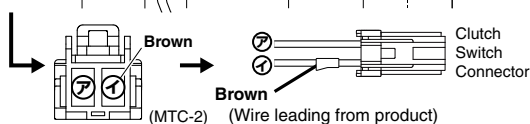
※ Some models may have two clutch switches, please connect to the same connector as listed under "Connector Design" in the "Wiring Chart (MT)".

(⇒ Refer to "[Reference 2] How to use the Cut Connectors".)

⚠ For customers using THA-MA1, make sure to insulate the wire (**Brown** or **Green**) left unconnected.

e.g.) HONDA CIVIC

| メーカー | 車名 | アダプター 品番 | コネクタ 形状 | 接続コード色 | Wire Color for Connection |
|-------|------|-------------|------------|--------|---------------------------------|
| HONDA | シビック | THA-MA1 | MTC-2 | ア イ | 茶 |



2 Connect for Adaptor Power

● For THA-MA1

Using one of the supplied cut connectors, connect the **Red** wire of the Adaptor to the **Red** wire of the 3-drive.

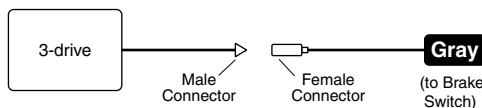
● For THA-MA2

Using one of the supplied cut connectors, connect the **Yellow** wire of the Adaptor to the clutch switch IGN wire (12V with key ON).

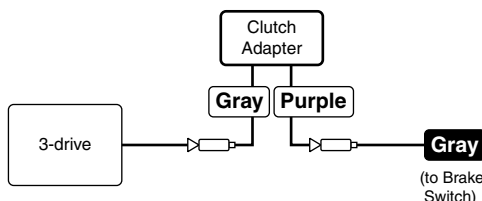
3 Connect to the Brake Switch Signal (Common for both THA-MA1 and THA-MA2)

① Cut the **Gray** wire of the 3-drive at an appropriate place. Using the supplied connectors attach the female connector to the brake switch wire and the male connector to the 3-drive wire.

(⇒ Refer to "[Reference 1] How to use the Connectors".)



② Connect the **Gray** wire and the **Purple** wire from the adaptor to the just attached connectors.



4 Connect for Earth

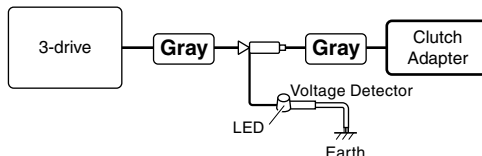
(Common for both THA-MA1 and THA-MA2)

Using one of the supplied cut connectors, connect the **Black** wire of the Adaptor to the **Black** wire of the 3-drive.

(⇒ Refer to "[Reference 2] How to use the Cut Connectors".)

Confirm the Connection

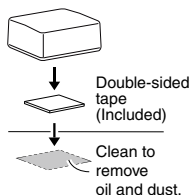
Connecting the tip of the Voltage Detector to **Gray** wire of Clutch Adaptor and if it's 12V(LED Lamp ON) when pressing the brake pedal or the clutch pedal, connection is correct. It's 0V(LED Lamp OFF) when releasing the pedal. (⇒ Refer to User's Manual of 3-drive series.)



Installing The Product

Use the double-sided tape (included) to fasten the units into positions not usually affected by water.

(How to Install)



Please be sure to bundle away all wires with tape, etc...

While in use if wires become free they may interfere with driving and cause accidents. Also, wires which are smashed or crushed may result in a short and can be extremely dangerous.

After installation, make sure to carry out "INITIAL SETTINGS" and "Speed Pulse Settings"
Make sure to carry out all "Initial Settings" and "Speed Pulse Settings" of the "3-drive User's Manual". If these settings are not carried out the product will not run properly.

Test Drive

After having fully read sections "Basic Operation" and "How to Operate" of the "3-drive User's Manual" take a test drive.

If while in AUTO CRUISE, pressing down on the clutch pedal deactivates the AUTO CRUISE function the adaptor is working properly.



Usage Note

In some car models it is necessary to fully press down on the clutch to activate the clutch switch signal. When deactivating AUTO CRUISE make sure to fully depress the clutch. Pushing down only half way will cause the engine rotation to increase.

Troubleshooting

| Trouble | Possible Causes | Possible Solutions |
|---|---|---|
| AUTO CRUISE does not Operate. | Each wire may have been improperly wired or there is a poor connection. | Please reconfirm whether wiring and connections are correct or not. |
| AUTO CRUISE is automatically deactivated and the display switches to throttle controller. | Each wire may have been improperly wired or there is a poor connection. | Please reconfirm whether wiring and connections are correct or not. |
| The clutch pedal is pressed down but AUTO CRUISE does not deactivate. | The clutch pedal is not fully pressed down all the way. The Brown or Green wires may have been improperly wired or there is a poor connection. | Make sure to press down fully on the clutch pedal. Please reconfirm whether wiring and connections are correct or not. |