

Tsukayu Fairing Installation Guide

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(M109R FAIRING; SMALL BATWING FAIRING; Honda VTX1300C/F, 1800 R/C/S/T/F/N, Valkyrie; Yamaha Vstar 650/ 1100 Classic, Raider/ S; Suzuki M50, 1600 Marauder; Kawasaki Vulcan 900 Custom, Meanstreak; Victory Kingpin, Vegas, Hammer, Cross Roads, etc)	
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Installation Guide

Parts List:

1. Tsukayu Fairing
2. Windshield
3. Bracket plates and hardware pack (Bike Specific)

Optional Parts list

4. keys x 2 (For RoadKing and Softail)
5. Wiring Harness (For Full Stereo or Stereo Ready only)
6. Wire Tap
7. Remote Control with batteries (For Specific Full Stereo Only)
8. Plastic box for storing control panel of CD player
9. Stereo Manual
10. 2GB SD memory card (optional gift for full stereo)

Part 1. Installation of windshield

1. Carefully place the fairing on protective material to avoid scratches.
2. Loosen or completely remove the three hex bolts on top of the fairing, complete removal of these three hex bolts will result in easier installation of the windshield and help avoiding damage to the seals between the inner and outer fairings.
3. Loosen the bottom two bolts, but not complete removal.
4. Remove protective plastic sheets on the windshield.
5. Carefully insert the windshield between the inner and out fairings, beware of dislodging the seals on both inner and outer fairings.
6. Align the windshield slots to the windshield mounting holes on the fairing and make sure the windshield is all the way down.
7. Tighten the three hex bolts on the top and the two bolts at the bottom.



Fig. 1-1



Fig. 1-2



Fig. 1-3

Part 2-A) Installation of fairing and wiring harness

A) For RoadKing / Softail

1. Refer to Fig. 2-A-2 for RoadKing and Fig. 2-A-3 for Softail, install the brackets to the fairing. If you are using stock handle bar, use mounting holes shown in Normal position, use the other mounting holes combination if needed, especially if you are using aftermarket handlebar. If all the combination don't fit your handlebar, you will need to adjust the pull back of the handlebar, please refer to your owner's manual.

2. After installation of brackets, check and tighten all the bolts. Unlock the brackets with the key provided and Install the fairing to detachable windshield mounts with front end straight ahead. Then lock and remove the key. (adjust the clutch cable mount near the upper left quick release pin if the clutch cable interferes with the lock)



Fig. 2-A-1

Note: If the distance between the two brackets doesn't fit your windshield mount, it may be because you are using old model windshield that has different distance between left and right quick release pins than the required windshield mount. You need to put washers/spacers between the fairing and each hole on the brackets or space out the quick release pins on the motorcycles until they match.

Bracket installation for RoadKing
(5 adjustable holes for Plain, Classic, 6x9 and 3rd generation Fairings; 4 adjustable holes for GPS fairing and Roadking Custom)

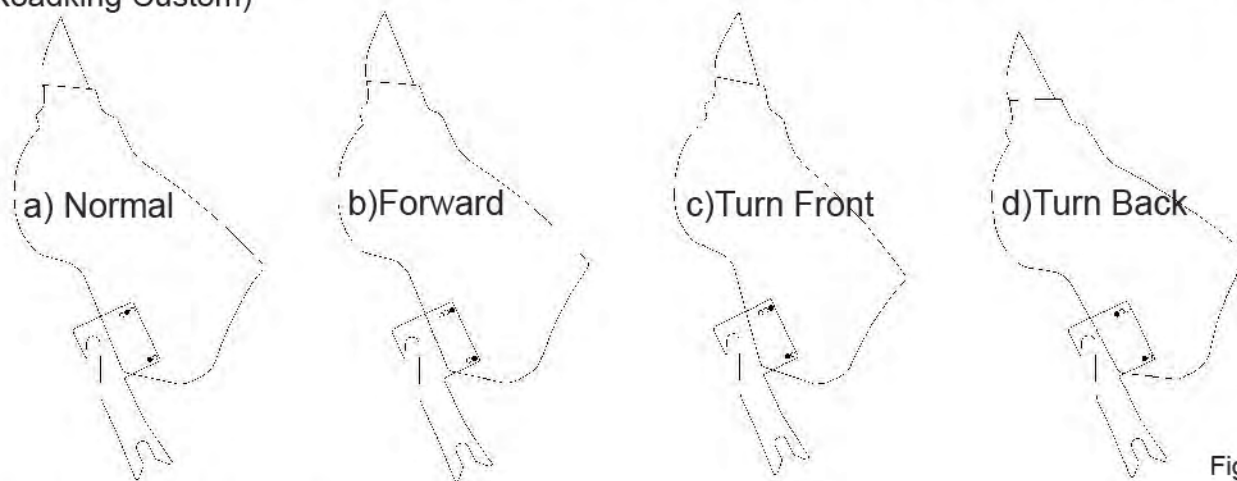


Fig. 2-A-2

Bracket installation for Softail

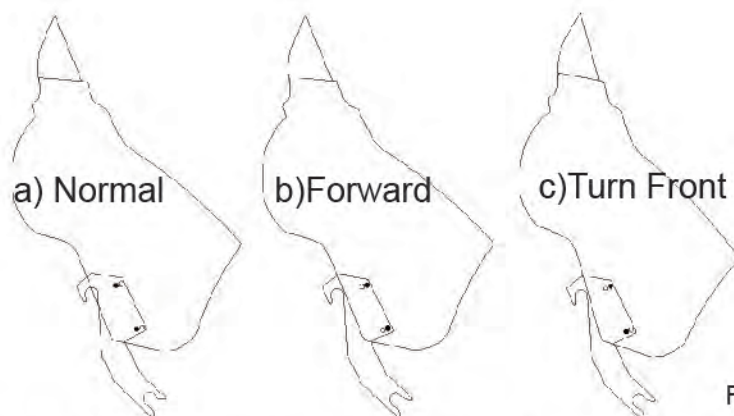


Fig. 2-A-3

Installation of Wiring Harness (for full stereo)

1. The power harness contains three wires to hook up. The thick red wire with fuse is connected to positive terminal of the battery.

2. The thick black wire is connected to the negative terminal of the battery.

3. The small brown wire can be connected two ways:

-Connect to an accessory circuit wire on the bike. There is one coming from the key switch (Fig. 2-A-6) and (Fig. 2-A-7). Refer to your Harley Davidson service manual for your model to find the accessory circuit wire color code and circuit breaker location. If wired this way, the radio will come on when the key switch is turned on to run the motorcycle, and will turn on when you turn the key switch to accessory when the motorcycle is not running. You may use the wire tap (in blue or yellow color) provided to do this connection. (Fig 2-A-5)

-Connect to the positive terminal of the battery or to an always on positive power connection. This will give you a stereo that can be played without the motorcycle key switch on. You will have to turn the stereo on and off with the radio power switch or remote.

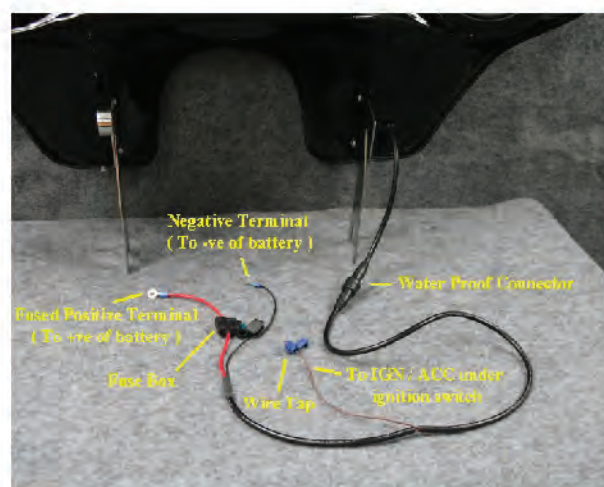


Fig. 2-A-4

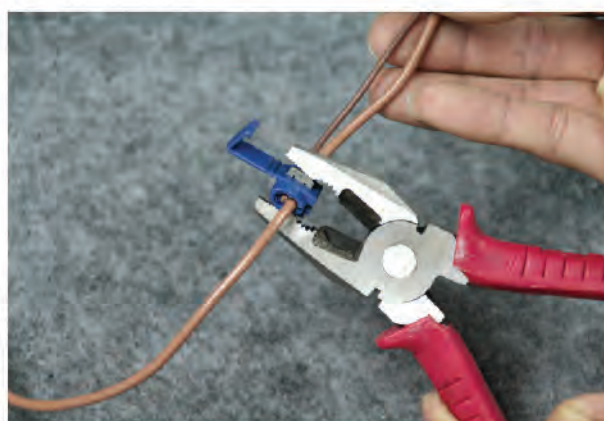


Fig. 2-A-5

4. Test if the connection is correct at this time before routing the power harness, align arrows on the connector from the power harness and the fairing harness directly before go the next step. Doing this will save you a lot of time for redo this step in case there is problem with the connection, because doing wiring has higher chance burning the fuse. Turn on the key switch (if you connect the brown wire to the accessory wire), then turn on the stereo according to the radio manual provided. If the radio doesn't turn on, follow the troubleshooting procedures on the later section of this installation guide.



Fig. 2-A-6

5. Route the power harness along an existing factory harness so the end connector is at the front of the right side of the gas tank. Refer to the factory service manual to locate and access the factory harness. You may use the zip ties provided to hold the power harness in place along the motorcycle harness. Do not pinch or damage any wiring or disturb the factory harness. Align arrows on the connector from the power harness and the fairing harness. Push together until they bottom against each other. Turn the threaded collar until seated to lock the connector halves together.



Fig. 2-A-7

6. Turn the front end fully side to side and verify there will be no problems with your choice of routing or connecting the power harness.

Test and check periodically

After installation of the fairing and wiring harness, test for functionality of stereo (refer to CD Player Manual), make sure all the bolts are tighten and fairing is slide into the factory windshield mounts, replace the rubber parts of the windshield mount if the rubber is damaged or replace the whole windshield mount if needed. Make sure the mounting brackets are in correct place and locked. Check all the details before riding and check periodically.

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to Factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Part 2-B) For Yamaha RoadLiner / Stratoliner

1. Remove the factory windshield mount from the fork according to Yamaha owner manual (Fig. 2-B-2), Make sure you remember how to reassemble them.
2. Insert the thread provided from the inside of the factory windshield mount as shown in Fig. 2-B-3. Make sure the thread can be push all the way in, otherwise you will need to put it up side down and do it again.
3. On the outside of the windshield brackets, put on the spacers provided on each thread and then the washers provided, and finally the nuts as shown in Fig. 2-B-4, don't tighten the nut at this time, leave enough space for sliding on the fairing bracket plates later on. The fairing bracket plates will be located between each spacers and washers. Reinstall the modified windshield brackets back to original position.
4. Install the fairing bracket plates with the two holes near the nuts, as shown in Fig. 2-B-5. The bolts for installing the brackets plates are come already on the fairing. Make sure you tighten the bolts on the bracket plates before you go to the next step. The other holes combination maybe useful if the front end of the motorcycle is not stock.
5. Now installing the fairing, you may need a helper for doing this step easier. The bracket plates should be located between the spacers and washer. Tighten the nuts until it can hold the fairing but still be able to slide up and down. Slide the fairing to where it keep clear from the turn signal and low enough for looking good, you may slide to where it almost touching the top of the headlight(Fig. 2-B-6). Tighten the nuts after adjustment.

Installation of Wiring Harness (for full stereo)

1. The power harness contains three wires to hook up. The thick red wire with fuse is connected to positive terminal of the battery.
2. The thick black wire is connected to the negative terminal of the battery, or a factory grounding lug on the motorcycle designed for grounding accessories.



Fig. 2-B-1



Fig. 2-B-2



Fig. 2-B-3



Fig. 2-B-4

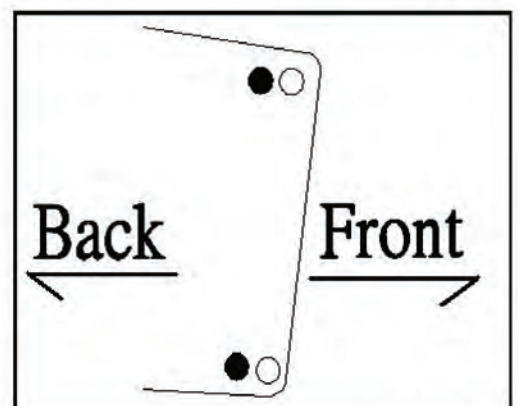


Fig. 2-B-5

3. The small brown wire can be connected two ways.

-Connect to the positive terminal of the battery or to an always on positive power connection. This is suggested method for connecting the brown wire so that you don't need to disassemble the headlight. This will give you a stereo that can be played without the motorcycle key switch on. You will have to turn the stereo on and off with the radio power switch or remote. OR

-Connect to an accessory circuit wire on the bike. Refer to your RoadLiner / Stratoliner service manual for your model to find the accessory circuit wire color code and circuit breaker location. If wired this way, the radio will come on when the key switch is turned on to run the motorcycle, and will turn on when you turn the key switch to accessory when the motorcycle is not running. You may use the wire tap (in blue or yellow color) provided to do this connection.

4. Test if the connection is correct at this time before routing the power harness, align arrows on the connector from the power harness and the fairing harness directly before go the next step. Doing this will save you a lot of time for redo this step in case there is problem with the connection, because doing wiring has higher chance burning the fuse. Turn on the key switch (if you connect the brown wire to the accessory wire), then turn on the stereo according to the radio manual provided. If the radio doesn't turn on, follow the checking procedures on the later sections of this installation guide.

5 Since there is a battery cover on RoadLiner, make sure the power harness doesn't interfere the closing of the battery cover, carefully adjust the direction of the connecting rings at the battery terminals, you will be able to find a way to place the power harness without interfering the battery cover. Also, make sure the fuse box and the power harness are placed and routed properly are keep them away from the bottom of the seat. (Fig. 2-B-7)

6. Route the power harness under the gas tank so the end connector is at the front of the right side of the gas tank. Prevent the power harness from touching the engine, you may use the zip ties provided to hold the power harness in place along the motorcycle harness. Do not pinch or damage any wiring or disturb the factory harness. Align arrows on the connector from the power harness and the fairing harness. Push together until they bottom against each other. Turn the threaded collar until seated to lock the connector halves together. (Fig. 2-B-8)

Turn the front end fully side to side and verify there will be no problems with your choice of routing or connecting the power harness. (Fig. 2-B-8)

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to Factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Test and check periodically

After installation of the fairing and wiring harness, test for functionality of stereo (refer to CD Player Manual), make sure all the bolts are tighten. Make sure the mounting brackets are in correct place and bolts are tighten. Check all the details before riding and check periodically.

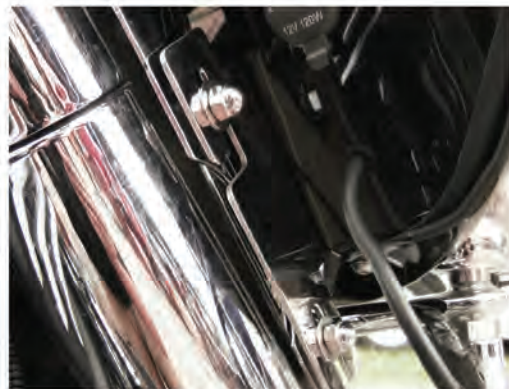


Fig.2-B-6



Fig.2-B-7



Fig.2-B-8

Part 2-C) For Kawasaki Nomad 1500/ 1600 / 1700, Vulcan 1600 Classic, Vulcan 1700 Classic/ LT, Vulcan 2000 Classic / LT

1. Install the fairing bracket plates with the two holes near the forks, as shown as solid black holes in Fig. 2-C-3. The bolts for installing the brackets plates are come already on the fairing. Make sure you tighten the bolts on the brackets plates before you go to the next step. The other holes combination maybe useful if the front end of the motorcycle is not stock.

For Nomad 1600/ Vulcan 1600 Classic, there is no different between left and right bracket plates, the bracket plates should be installed directly on the fairing. (Fig. 2-C-1)

For Nomad 1500/ 1700/ Vulcan 1700 Classic/ LT/ 2000 Classic/ LT, left and right bracket plates are different, and you need to adjust the distance between the left and right plates until they match the distance of the mounting points on the forks by inserting spacers / washers provided in between the bracket plates and fairing. (Fig. 2-C-2)

2. After installing the bracket plates, check if all the bolts are tightened securely, then install the fairing on the bike. For Nomad 1600/ Vulcan 1600 classic, the bracket plates should be placed right next to the forks as shown in Fig. 2-C-4. For Nomad 1500/ 1700/ Vulcan 1700 Classic/ LT/ Vulcan 2000 Classic/ LT, the bracket plates is placed at the same position as the factory windshield, you may slide the fairing up and down to where it keep clear from the turn signals and low enough for looking good, you may slide to where it almost touching the top of the headlight. Tighten the bolts after adjustment.

Installation of Wiring Harness (for full stereo)

1. The power harness contains three wires to hook up. The thick red wire with fuse is connected to positive terminal of the battery.

2. The thick black wire is connected to the negative terminal of the battery.

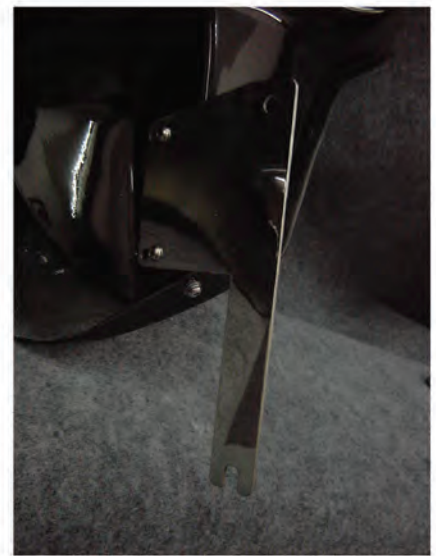


Fig. 2-C-1

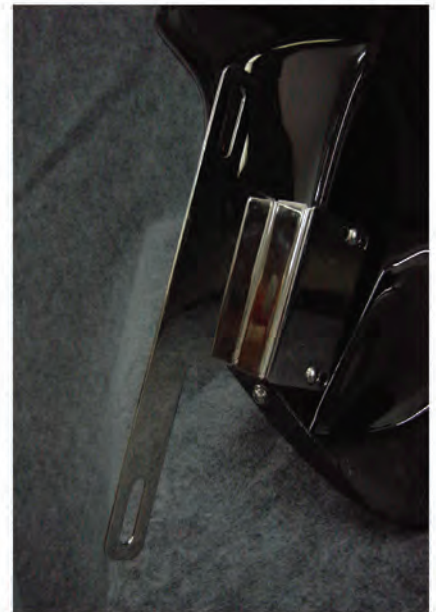


Fig. 2-C-2

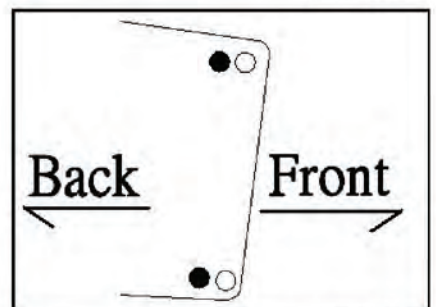


Fig. 2-C-3



Fig. 2-C-4

3. The small brown wire can be connected two ways.

-Connect to the positive terminal of the battery or to an always on positive power connection. This is suggested method for connecting the brown wire for simplicity. This will give you a stereo that can be played without the motorcycle key switch on. You will have to turn the stereo on and off with the radio power switch or remote. OR

-Connect to an accessory circuit wire on the bike. Refer to your Kawasaki service manual for your model to find the accessory circuit wire color code and circuit breaker location. If wired this way, the radio will come on when the key switch is turned on to run the motorcycle, and will turn on when you turn the key switch to accessory when the motorcycle is not running. You may use the wire tap(in blue or yellow color) provided to do this connection.

4. Test if the connection is correct at this time before routing the power harness, align arrows on the connector from the power harness and the fairing harness directly before go the next step. Doing this will save you a lot of time for redo this step in case there is problem with the connection, because doing wiring has higher chance burning the fuse. Turn on the key switch (if you connect the brown wire to the accessory wire), then turn on the stereo according to the radio manual provided. If the radio doesn't turn on, check if what you did is correct, follow the troubleshooting procedures on the later section of this installation guide if needed.

5. Make sure the power harness doesn't interfere with the closing of the battery cover, carefully adjust the direction of the connecting rings at the battery terminals, find a way to place the power harness without interfering the battery cover. Also, make sure the fuse box and the power harness are placed and routed properly and keep them away from the bottom of the seat.

6. Route the power harness under the gas tank so the end connector is at the front of the right side of the gas tank. Prevent the power harness from touching the engine, you may use the zip ties provided to hold the power harness in place along the motorcycle harness. Do not pinch or damage any factory harness. Align arrows on the connector from the power harness and the fairing harness. Push together until they bottom against each other. Turn the threaded collar until seated to lock the connector halves together.

Turn the front end fully side to side and verify there will be no problems with your choice of routing or connecting the power harness.

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to Factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Test and check periodically

After installation of the fairing and wiring harness, test for functionality of stereo (refer to CD Player Manual), make sure all the bolts are tighten. Make sure the mounting brackets are in correct place and locked. Check all the details before riding and check periodically.

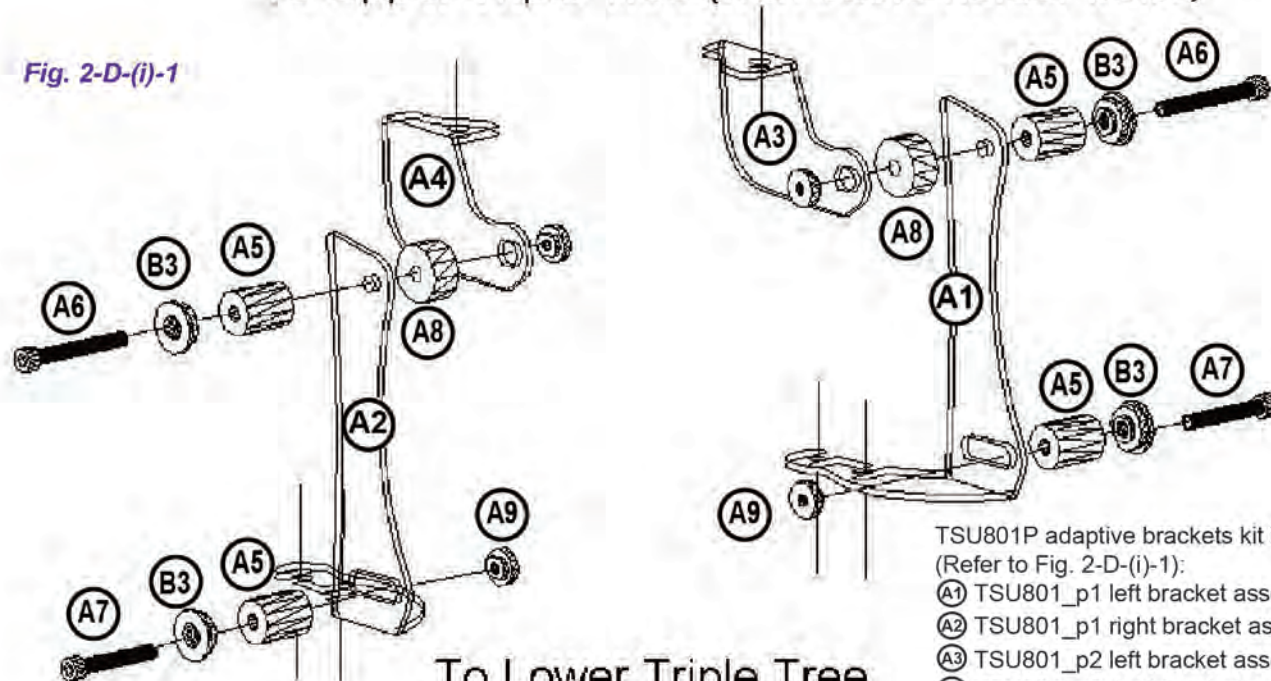
Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(i) Honda VTX 1300 R/S/T

Two hardware kits are needed: a) TSU801P adaptive brackets kit; b) TSU801 bracket plates assembly kit

To Upper Triple Tree (with cable holder bolts)

Fig. 2-D-(i)-1

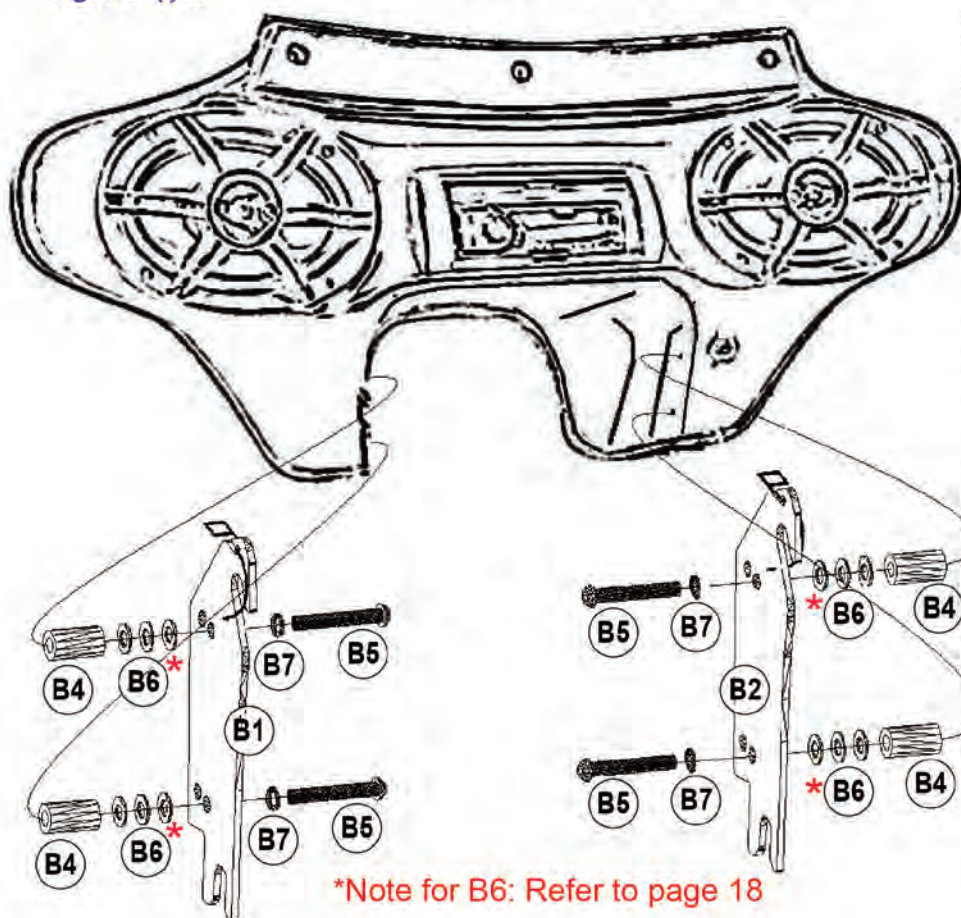


TSU801P adaptive brackets kit includes
(Refer to Fig. 2-D-(i)-1):

- Ⓐ1 TSU801_p1 left bracket assembly x 1pc
- Ⓐ2 TSU801_p1 right bracket assembly x 1pc
- Ⓐ3 TSU801_p2 left bracket assembly x 1pc
- Ⓐ4 TSU801_p2 right bracket assembly x 1pc
- Ⓐ5 spacer 25mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- Ⓐ6 M6 x 50mm bolt cylinder head x 2pcs
- Ⓐ7 M6 x 40mm bolt cylinder head x 2pcs
- Ⓐ8 spacer 12.8mm(L) x 6.5mm(I) x 25mm(O) x 2pcs
- Ⓐ9 MS_NUT x 4pcs

To Lower Triple Tree (with existing bolts)

Fig. 2-D-(i)-2



TSU801 bracket plates kit includes
(Refer to Fig. 2-D-(i)-1 and 2-D-(i)-2)

- Ⓑ1 TSU801 left bracket plate assembly x 1pc
- Ⓑ2 TSU801 right bracket plate assembly x 1pc
- Ⓑ3 MS1_ver3 spacer x 4pcs
- Ⓑ4 spacer 23mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- Ⓑ5 M6 x 40mm round head bolts x 4pcs
- Ⓑ6 additional M6 washers (use if necessary)
- Ⓑ7 M6 lock washers x 4pcs

1. Cover gas tank and front fender with protective material.

2. Install the TSU801P bracket assembly as shown in Fig.2-D-(i)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

***Note for B6: Refer to page 18**

3. Install the mounting plates assembly as shown in Fig.2-D-(i)-2. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU801.

4. Please refer to PAGE 18 and 19 for more details and wiring installation.

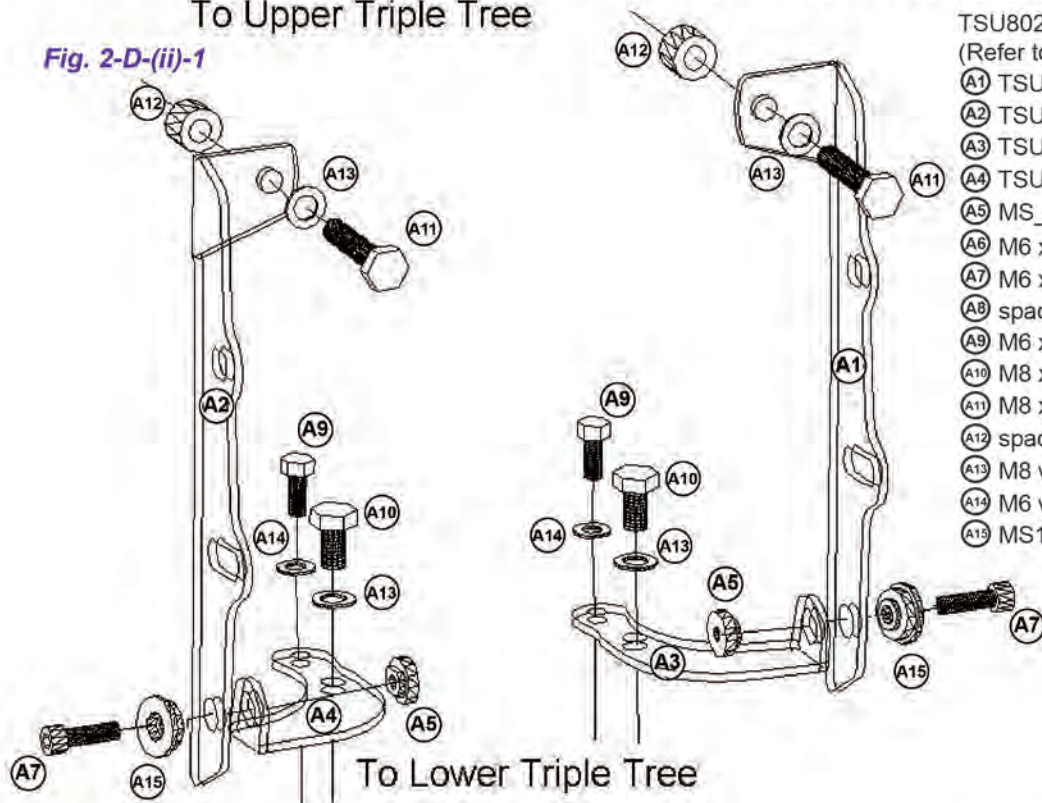
Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(ii) Honda VT750 Shadow Aero

Two hardware kits are needed: a) TSU802P adaptive brackets kit; b) TSU802 bracket plates assembly kit

To Upper Triple Tree

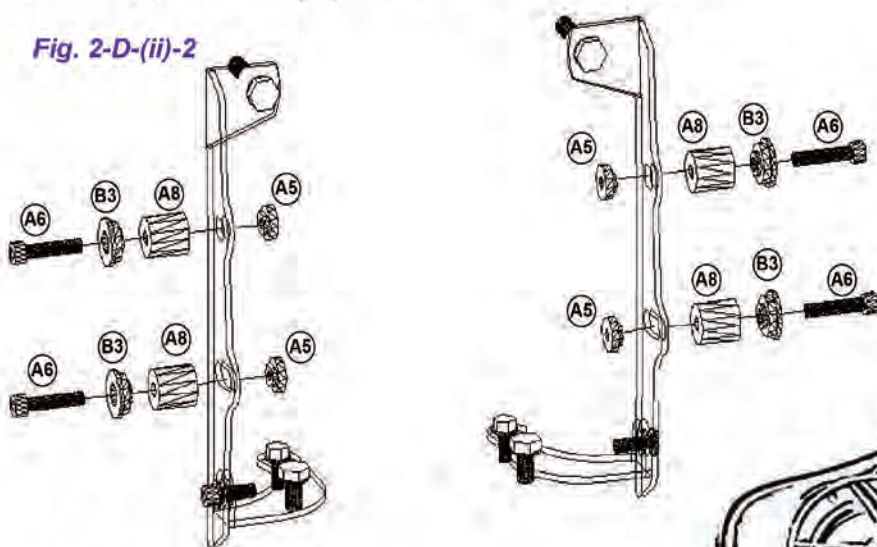
Fig. 2-D-(ii)-1



- TSU802P adaptive brackets kit includes
(Refer to Fig. 2-D-(ii)-1 and 2-D-(ii)-2):
- A1 TSU802_p1 left bracket assembly x 1pc
 - A2 TSU802_p1 right bracket assembly x 1pc
 - A3 TSU802_p2 left bracket assembly x 1pc
 - A4 TSU802_p2 right bracket assembly x 1pc
 - A5 MS_NUT x 6pcs
 - A6 M6 x 30mm bolt cylinder head x 4pcs
 - A7 M6 x 20mm bolt cylinder head x 2pcs
 - A8 spacer 20mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
 - A9 M6 x 15mm bolt hex head x 2pcs
 - A10 M8 x 15mm bolt hex head x 2pcs
 - A11 M8 x 40mm bolt hex head x 2pcs
 - A12 spacer 11.5mm(L) x 8.5mm(I) x 16mm(O) x 2pcs
 - A13 M8 washers x 4pcs
 - A14 M6 washers x 2pcs
 - A15 MS1_ver3 spacer x 2pcs

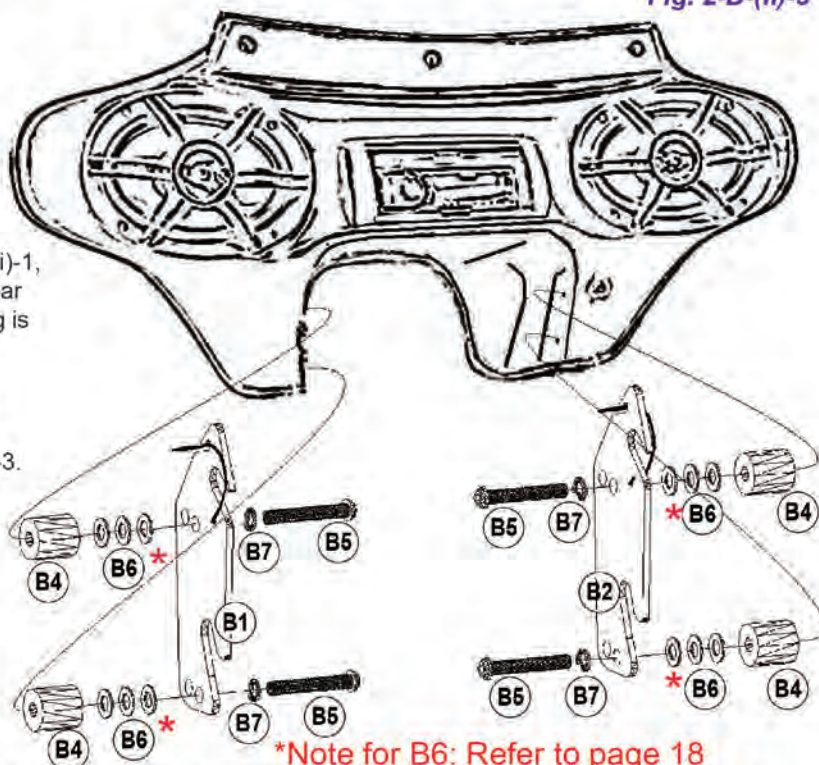
To Lower Triple Tree

Fig. 2-D-(ii)-2



- TSU802 bracket plates kit includes
(Refer to Fig. 2-D-(ii)-2 and 2-D-(ii)-3)
- B1 TSU802 left bracket plate assembly x 1pc
 - B2 TSU802 right bracket plate assembly x 1pc
 - B3 MS1_ver3 spacer x 4pcs
 - B4 spacer 20mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
 - B5 M6 x 40mm round head bolts x 4pcs
 - B6 additional M6 washers (use if necessary)
 - B7 M6 lock washers x 4pcs

Fig. 2-D-(ii)-3



1. Cover gas tank and front fender with protective material.

2. Install the TSU802P bracket assembly as shown in Fig.2-D-(ii)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

3. Refer to Fig.2-D-(ii)-2. Install the rest part of TSU802P. Also DO NOT tighten the bolts until the fairing is installed.

4. Install the mounting plates assembly as shown in Fig.2-D-(ii)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU802.

5. Please refer to PAGE 18 and 19 for more details and wiring installation.

*Note for B6: Refer to page 18

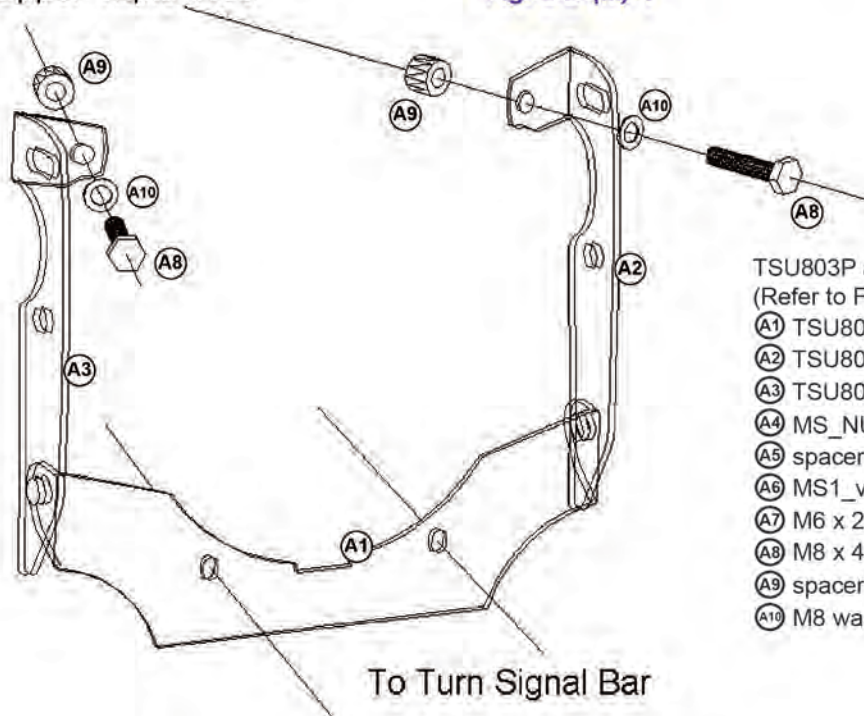
Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(iii) Honda VT 1100 Sabre and VT 750 ACE DLX

Two hardware kits are needed: a) TSU803P adaptive brackets kit; b) TSU803 bracket plates assembly kit

To Upper Triple Tree

Fig. 2-D-(iii)-1

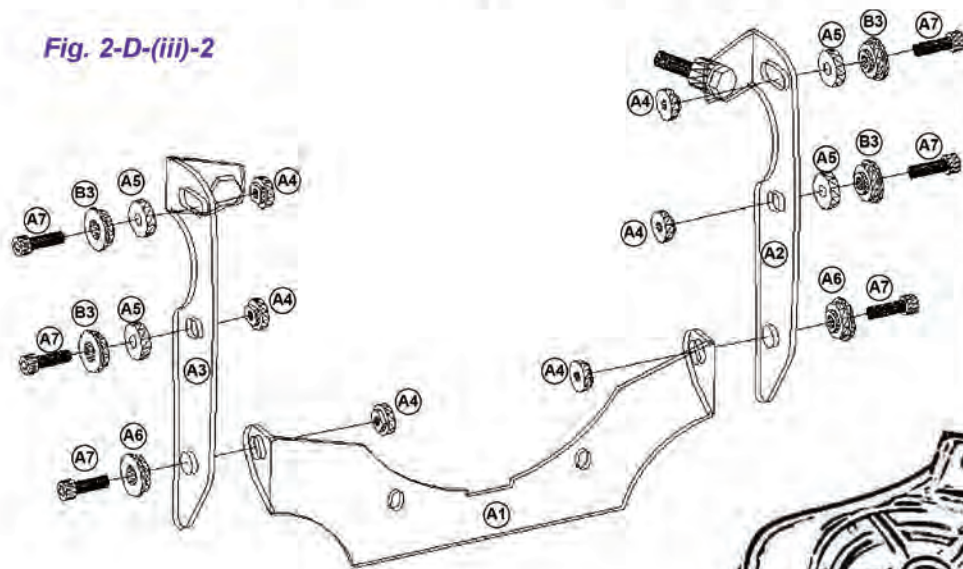


TSU803P adaptive brackets kit includes
(Refer to Fig. 2-D-(iii)-1 and 2-D-(iii)-2):

- Ⓐ1 TSU803_p1 bracket assembly x 1pc
- Ⓐ2 TSU803_p2 left bracket assembly x 1pc
- Ⓐ3 TSU803_p2 right bracket assembly x 1pc
- Ⓐ4 MS_NUT x 6pcs
- Ⓐ5 spacer 5mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- Ⓐ6 MS1_ver3 spacer x 2pcs
- Ⓐ7 M6 x 20mm bolt cylinder head x 6pcs
- Ⓐ8 M8 x 40mm bolt hex head x 2pcs
- Ⓐ9 spacer 12mm(L) x 8.5mm(I) x 16mm(O) x 2pcs
- Ⓐ10 M8 washers x 2pcs

To Turn Signal Bar

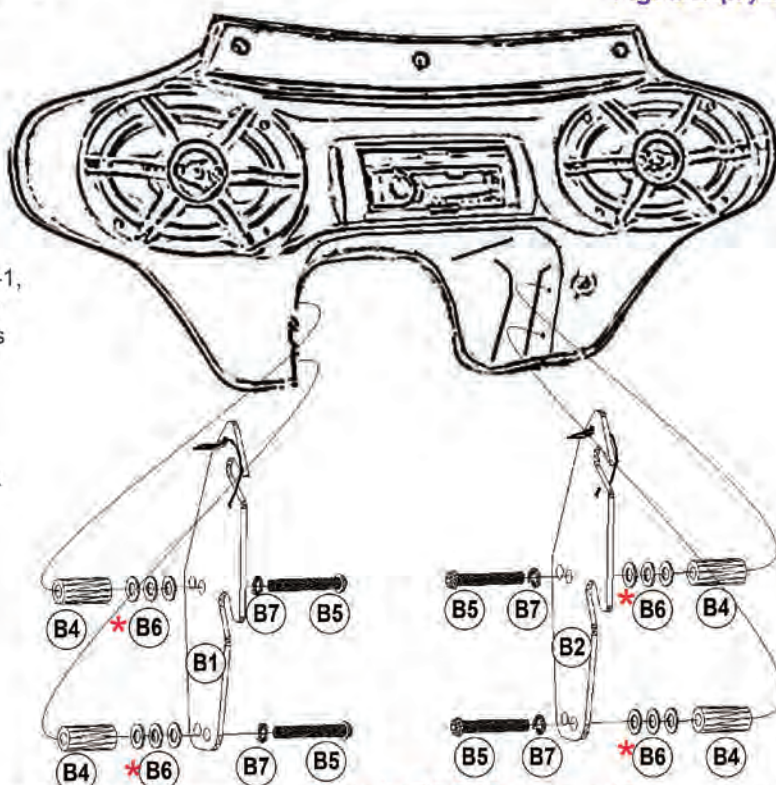
Fig. 2-D-(iii)-2



TSU803 bracket plates kit includes
(Refer to Fig. 2-D-(iii)-2 and 2-D-(iii)-3)

- Ⓑ1 TSU803 left bracket plate assembly x 1pc
- Ⓑ2 TSU803 right bracket plate assembly x 1pc
- Ⓑ3 MS1_ver3 spacer x 4pcs
- Ⓑ4 spacer 28mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- Ⓑ5 M6 x 45mm round head bolts x 4pcs
- Ⓑ6 additional M6 washers (use if necessary)
- Ⓑ7 M6 lock washers x 4pcs

Fig. 2-D-(iii)-3



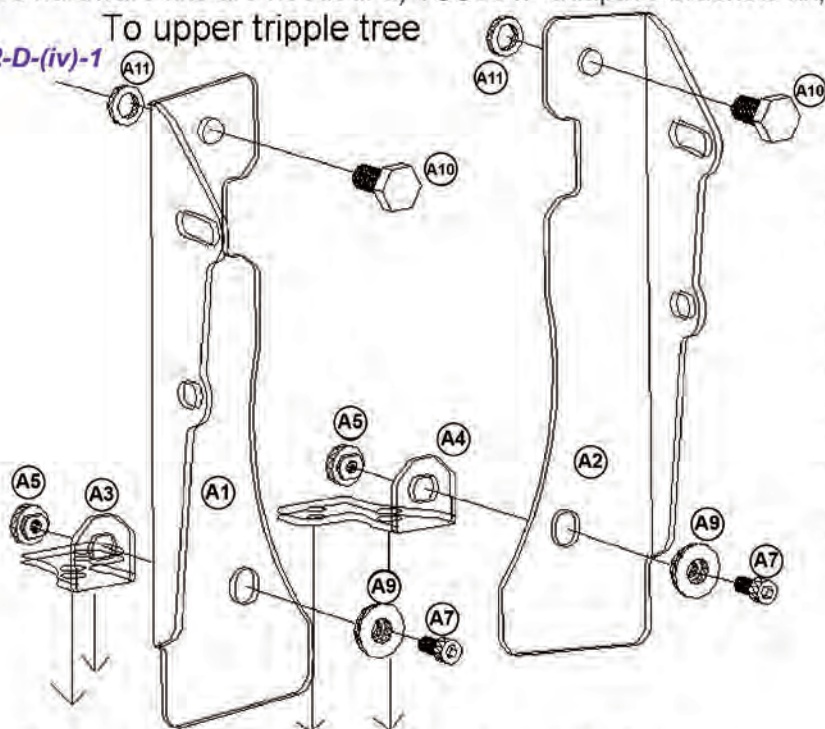
1. Cover gas tank and front fender with protective material.
2. Install the TSU803P bracket assembly as shown in Fig.2-D-(iii)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.
3. Refer to Fig.2-D-(iii)-2. Install the rest part of TSU803P. Also DO NOT tighten the bolts until the fairing is installed.
4. Install the mounting plates assembly as shown in Fig.2-D-(iii)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU803.
5. Please refer to PAGE 18 and 19 for more details and wiring installation

Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(iv) Yamaha Roadstar

Two hardware kits are needed: a) TSU804P adaptive brackets kit; b) TSU804 bracket plates assembly kit

Fig. 2-D-(iv)-1
To upper tripple tree

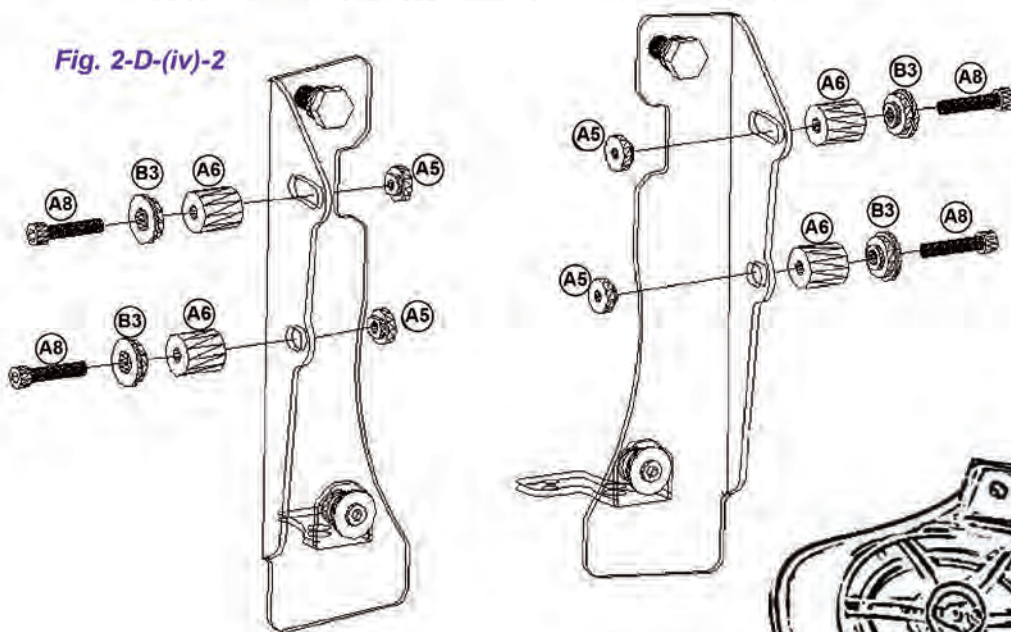


TSU804P adaptive brackets kit includes
(Refer to Fig. 2-D-(iv)-1 and 2-D-(iv)-2):

- Ⓐ1 TSU804_p1 left bracket assembly x 1pc
- Ⓐ2 TSU804_p1 right bracket assembly x 1pc
- Ⓐ3 TSU804_p2 left bracket assembly x 1pc
- Ⓐ4 TSU804_p2 right bracket assembly x 1pc
- Ⓐ5 MS_NUT x 6pcs
- Ⓐ6 spacer 20mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- Ⓐ7 M6 x 12mm bolt cylinder head x 2pcs
- Ⓐ8 M6 x 30mm bolt cylinder head x 4pcs
- Ⓐ9 MS1_ver3 spacer x 2pcs
- Ⓐ10 M10 x 20mm bolt hex head x 2pcs
- Ⓐ11 spacer 3mm(L) x 10.5mm(I) x 16mm(O) x 2pcs

To headlight bracket using existing bolts

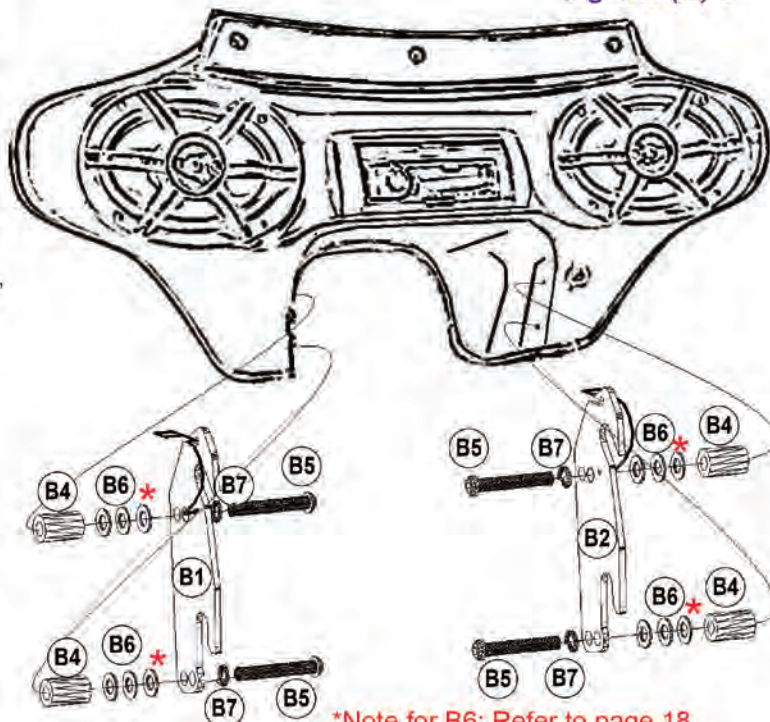
Fig. 2-D-(iv)-2



TSU804 bracket plates kit includes
(Refer to Fig. 2-D-(iv)-2 and 2-D-(iv)-3)

- Ⓑ1 TSU804 left bracket plate assembly x 1pc
- Ⓑ2 TSU804 right bracket plate assembly x 1pc
- Ⓑ3 MS1_ver3 spacer x 4pcs
- Ⓑ4 spacer 20mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- Ⓑ5 M6 x 40mm round head bolts x 4pcs
- Ⓑ6 additional M6 washers (use if necessary)
- Ⓑ7 M6 lock washers x 4pcs

Fig. 2-D-(iv)-3



1. Cover gas tank and front fender with protective material.
2. Install the TSU804P bracket assembly as shown in Fig.2-D-(iv)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.
3. Refer to Fig.2-D-(iv)-2. Install the rest part of TSU804P. Also DO NOT tighten the bolts until the fairing is installed.
4. Install the mounting plates assembly as shown in Fig.2-D-(iv)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU804.
5. Please refer to PAGE 18 and 19 for more details and wiring installation.

*Note for B6: Refer to page 18

Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(v) Yamaha V-Star 950

Two hardware kits are needed: a) TSU805P adaptive brackets kit; b) TSU802 bracket plates assembly kit

Yamaha V-Star 1300

Two hardware kits are needed: a) TSU805P adaptive brackets kit; b) TSU805 bracket plates assembly kit

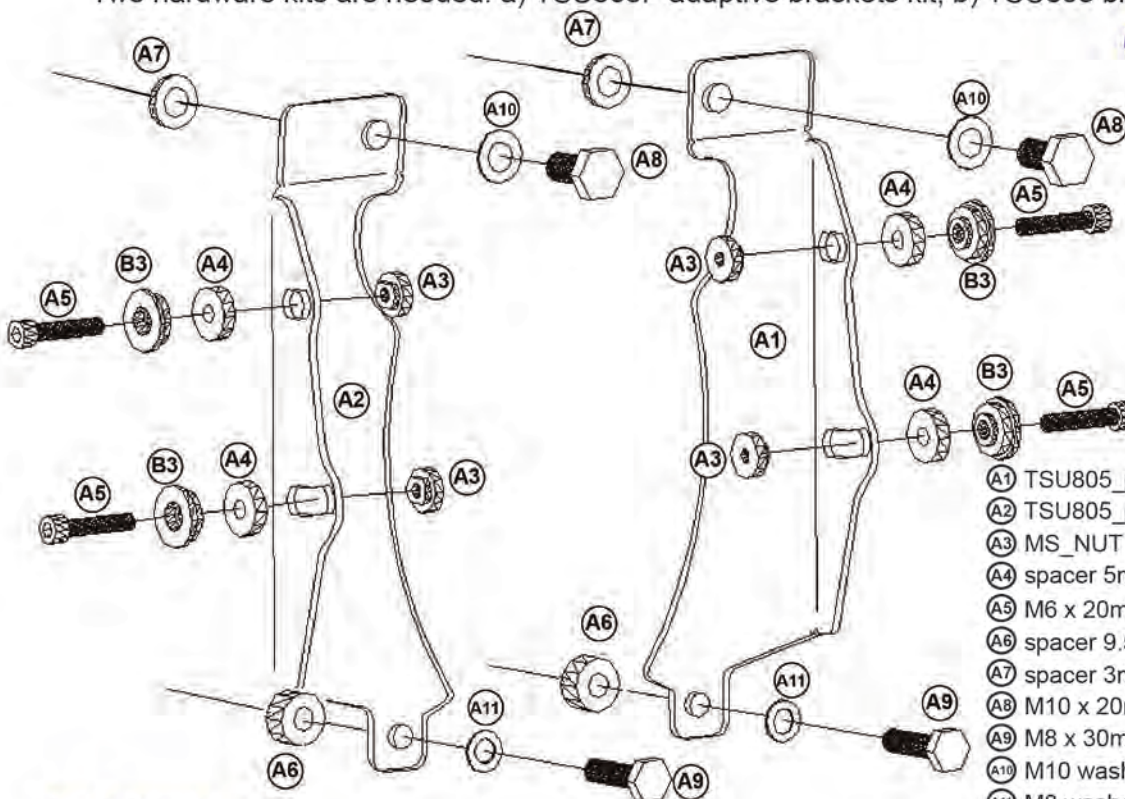


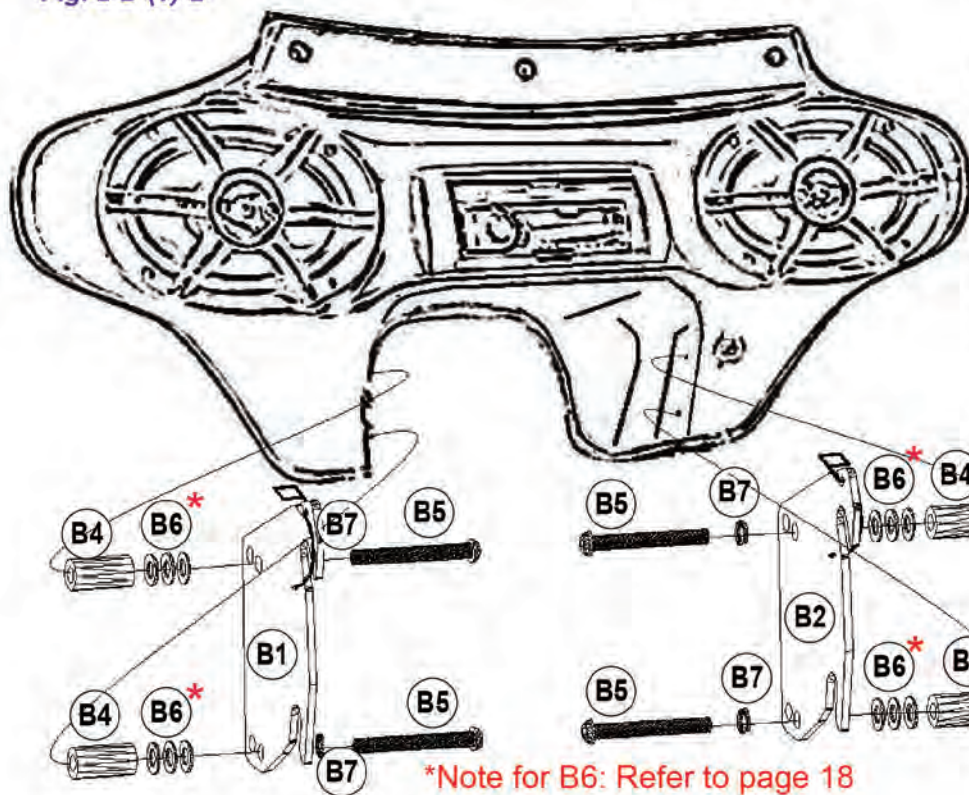
Fig. 2-D-(v)-1

For V-Star 950 and 1300:

TSU805P adaptive brackets kit includes (Refer to Fig. 2-D-(v)-1 and 2-D-(v)-2):

- A1 TSU805_p1 left bracket assembly x 1pc
- A2 TSU805_p1 right bracket assembly x 1pc
- A3 MS_NUT x 4pcs
- A4 spacer 5mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- A5 M6 x 20mm bolt cylinder head x 4pcs
- A6 spacer 9.5mm(L) x 8.5mm(I) x 19mm(O) x 2pcs
- A7 spacer 3mm(L) x 10.5mm(I) x 19mm(O) x 2pcs
- A8 M10 x 20mm bolt hex head x 2pcs
- A9 M8 x 30mm bolt hex head x 2pcs
- A10 M10 washers x 2pcs
- A11 M8 washers x 2pcs

Fig. 2-D-(v)-2



For V-Star 950:

TSU802 bracket plates kit includes

(Refer to Fig. 2-D-(v)-1 and 2-D-(v)-2)

- B1 TSU802 left bracket plate assembly x 1pc
- B2 TSU802 right bracket plate assembly x 1pc
- B3 MS1_ver3 spacer x 4pcs
- B4 spacer 20mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- B5 M6 x 40mm round head bolts x 4pcs
- B6 additional M6 washers (use if necessary)
- B7 M6 lock washers x 4pcs

For V-Star 1300:

TSU805 bracket plates kit includes

(Refer to Fig. 2-D-(v)-1 and 2-D-(v)-2):

- B1 TSU805 left bracket plate assembly x 1pc
- B2 TSU805 right bracket plate assembly x 1pc
- B3 MS1_ver3 spacer x 4pcs
- B4 spacer 25mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- B5 M6 x 40mm round head bolts x 4pcs
- B6 additional M6 washers (use if necessary)
- B7 M6 lock washers x 4pcs

*Note for B6: Refer to page 18

1. Cover gas tank and front fender with protective material.

2. Install the TSU805P bracket assembly as shown in Fig.2-D-(v)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

3. Install the mounting plates assembly as shown in Fig.2-D-(v)-2. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU802/ TSU805.

4. Please refer to PAGE 18 and 19 for more details and wiring installation.

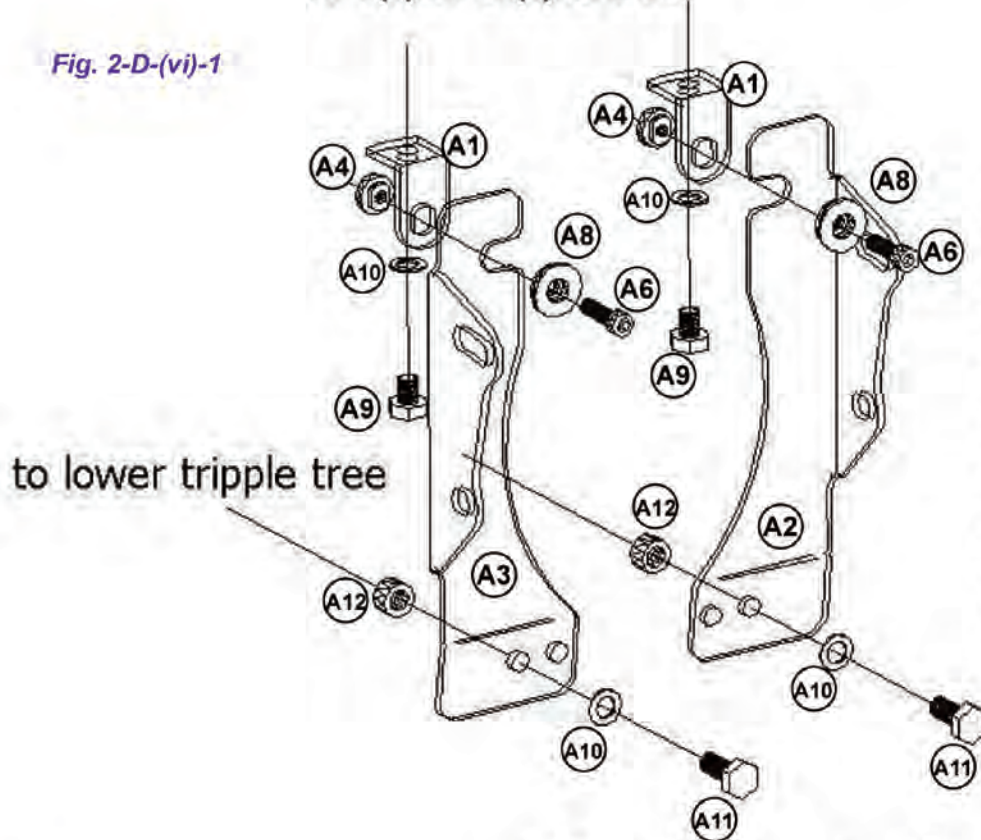
Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(vi) Suzuki C50, C50T and volusia 800 (*C50T needs additional turn signal relocation kit)

Two hardware kits are needed: a) TSU806P adaptive brackets kit; b) TSU806 bracket plates assembly kit

to upper tripple tree

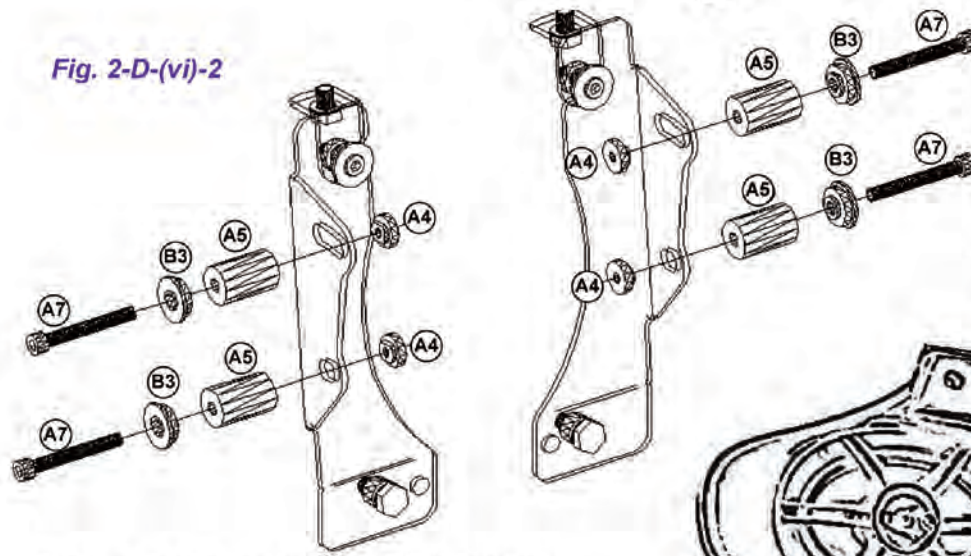
Fig. 2-D-(vi)-1



TSU806P adaptive brackets kit includes
(Refer to Fig. 2-D-(vi)-1 and 2-D-(vi)-2):

- A1 TSU806_p1 bracket assembly x 2pcs
- A2 TSU806_p2 left bracket assembly x 1pc
- A3 TSU806_p2 right bracket assembly x 1pc
- A4 MS_NUT x 6pcs
- A5 spacer 30mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- A6 M6 x 20mm bolt cylinder head x 2pcs
- A7 M6 x 50mm bolt cylinder head x 4pcs
- A8 MS1_ver3 spacer x 2pcs
- A9 M8 x 10mm bolt hex head x 2pcs
- A10 M8 washers x 4pcs
- A11 M8 x 20mm bolt hex head x 4pcs
- A12 spacer 8mm(L) x 8.5mm(I) x 14mm(O) x 2pcs

Fig. 2-D-(vi)-2



TSU806 bracket plates kit includes
(Refer to Fig. 2-D-(vi)-2 and 2-D-(vi)-3)

- B1 TSU806 left bracket plate assembly x 1pc
- B2 TSU806 right bracket plate assembly x 1pc
- B3 MS1_ver3 spacer x 4pcs
- B4 spacer 24mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- B5 M6 x 50mm round head bolts x 4pcs
- B6 additional M6 washers (use if necessary)
- B7 M6 lock washers x 4pcs

Fig. 2-D-(vi)-3

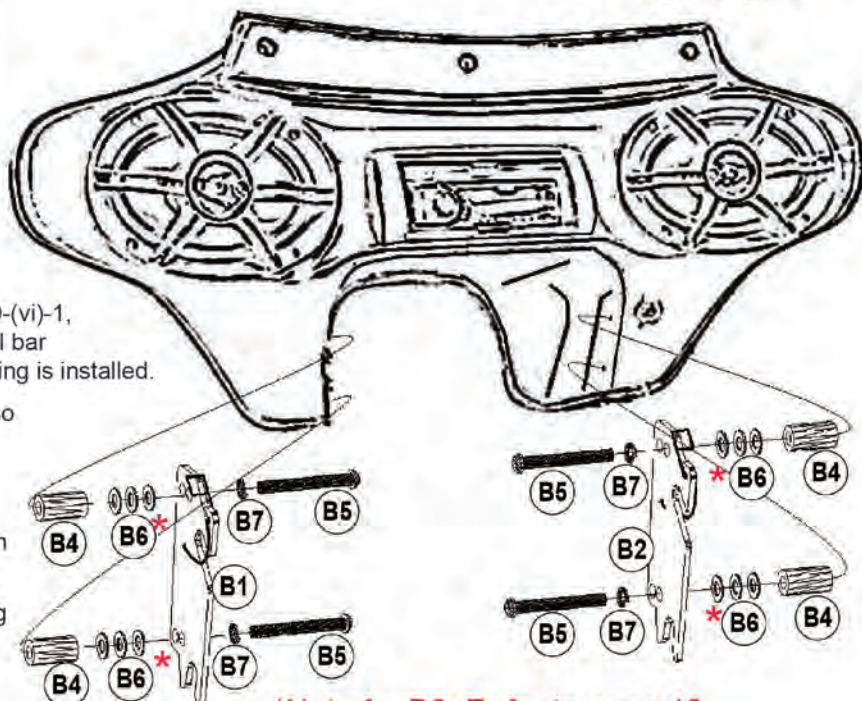
1. Cover gas tank and front fender with protective material.

2. Install the TSU806P bracket assembly as shown in Fig.2-D-(vi)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

3. Refer to Fig.2-D-(vi)-2. Install the rest part of TSU806P. Also DO NOT tighten the bolts until the fairing is installed.

4. Install the mounting plates assembly as shown in Fig.2-D-(vi)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU806.

5. Please refer to PAGE 18 and 19 for more details and wiring installation.



*Note for B6: Refer to page 18

Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(vii) Suzuki C90

Two hardware kits are needed: a) TSU807P adaptive brackets kit; b) TSU807 bracket plates assembly kit

Fig. 2-D-(vii)-1

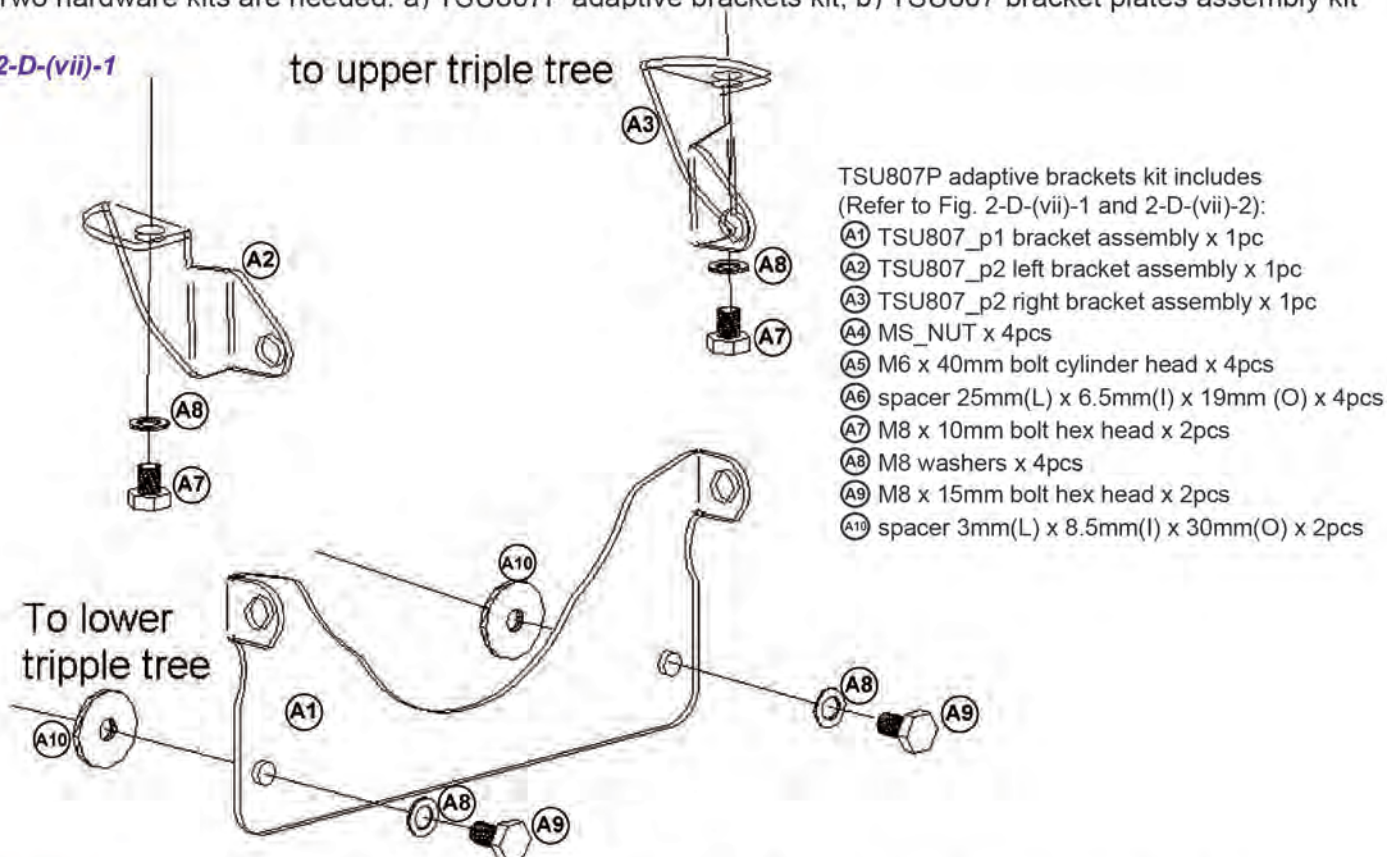


Fig. 2-D-(vii)-2

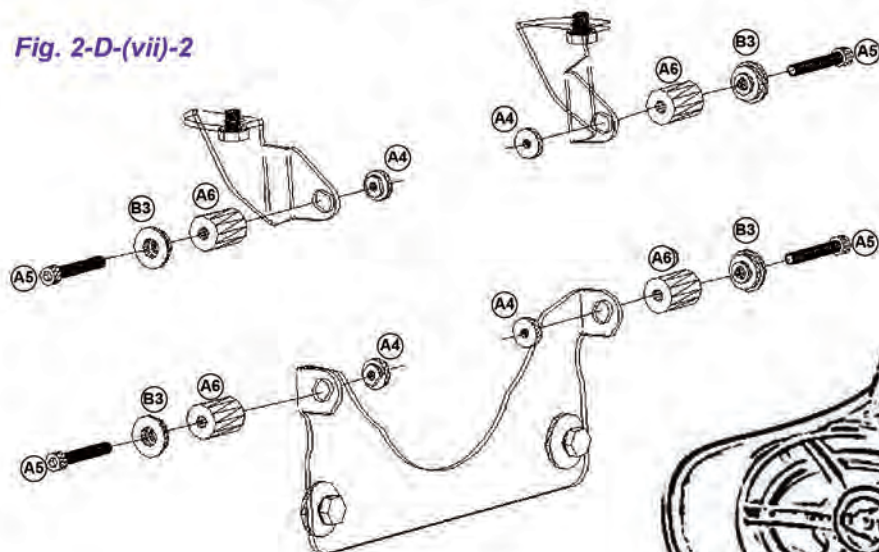


Fig. 2-D-(vii)-3

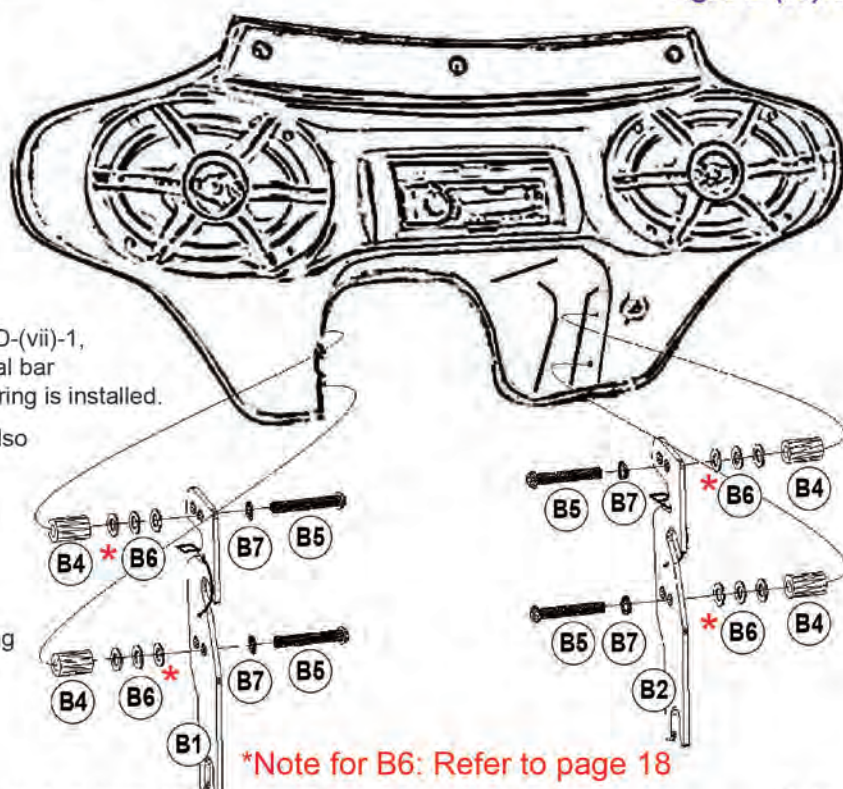
1. Cover gas tank and front fender with protective material.

2. Install the TSU807P bracket assembly as shown in Fig.2-D-(vii)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

3. Refer to Fig.2-D-(vii)-2. Install the rest part of TSU807P. Also DO NOT tighten the bolts until the fairing is installed.

4. Install the mounting plates assembly as shown in Fig.2-D-(vii)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU807.

5. Please refer to PAGE 18 and 19 for more details and wiring installation.

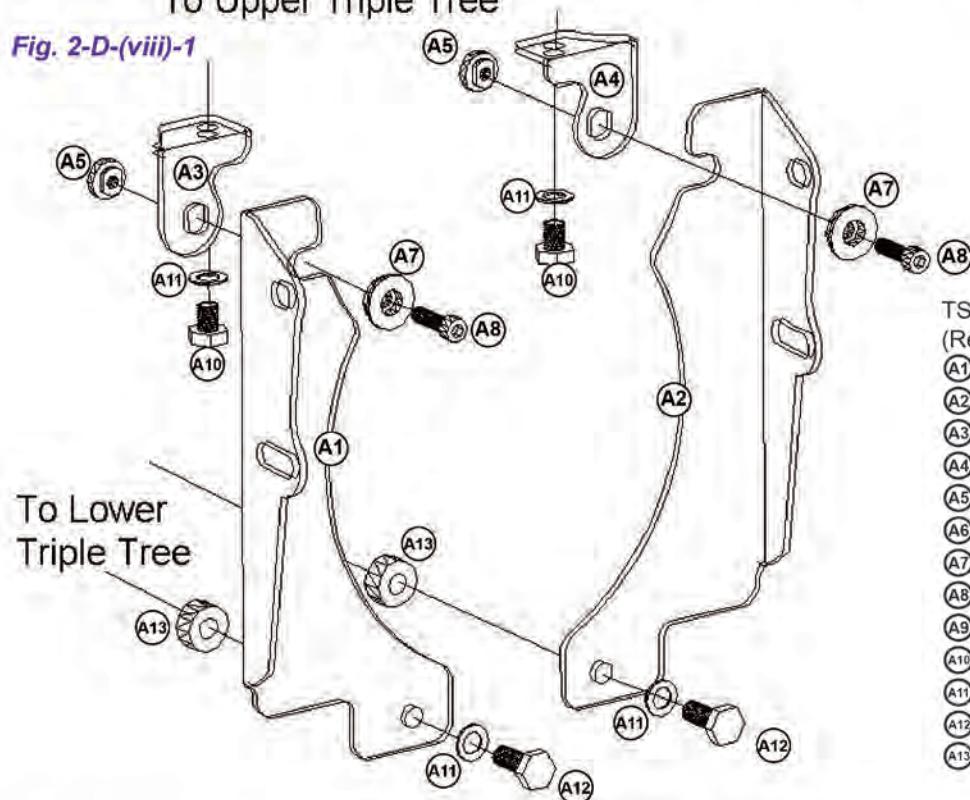


Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(viii) Suzuki Boulevard C109R

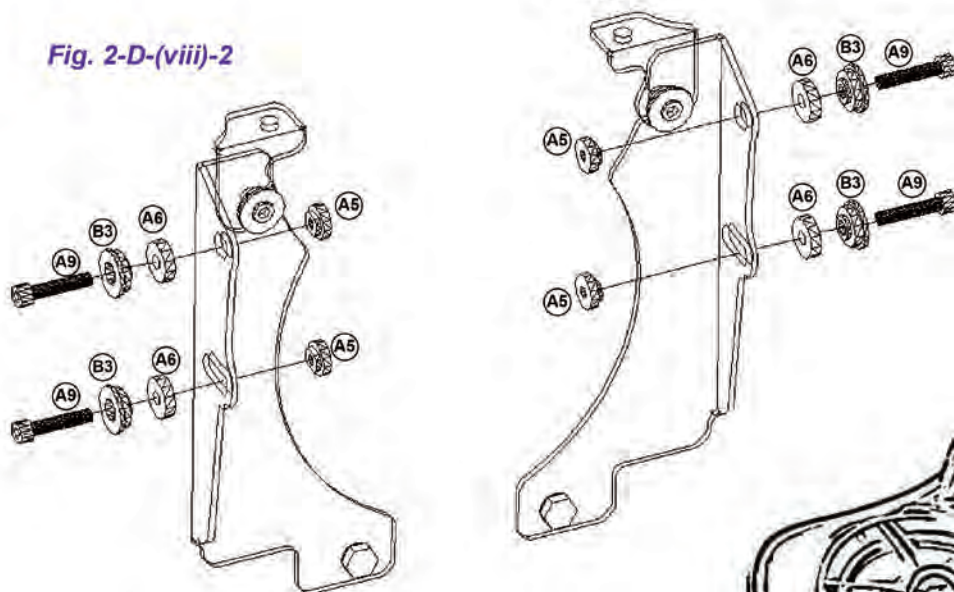
Two hardware kits are needed: a) TSU808P adaptive brackets kit; b) TSU808 bracket plates assembly kit
To Upper Triple Tree

Fig. 2-D-(viii)-1



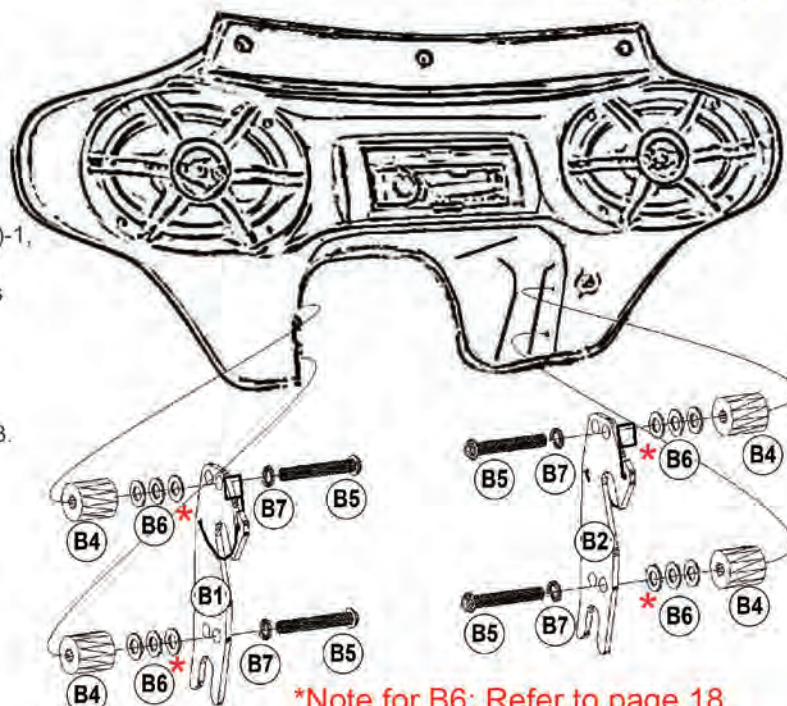
TSU808P adaptive brackets kit includes
(Refer to Fig. 2-D-(viii)-1 and 2-D-(viii)-2):
 (A1) TSU808_p1 left bracket assembly x 1pc
 (A2) TSU808_p1 right bracket assembly x 1pc
 (A3) TSU808_p2 left bracket assembly x 1pc
 (A4) TSU808_p2 right bracket assembly x 1pc
 (A5) MS_NUT x 6pcs
 (A6) spacer 20mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
 (A7) MS1_ver3 spacer x 2pcs
 (A8) M6 x 20mm bolt cylinder head x 2pcs
 (A9) M6 x 30mm bolt cylinder head x 4pcs
 (A10) M8 x 10mm bolt hex head x 2pcs
 (A11) M8 washers x 4pcs
 (A12) M8 x 20mm bolt hex head x 2pcs
 (A13) spacer 9mm(L) x 8.5mm(I) x 19mm(O) x 2pcs

Fig. 2-D-(viii)-2



TSU808 bracket plates kit includes
(Refer to Fig. 2-D-(viii)-2 and 2-D-(viii)-3)
 (B1) TSU808 left bracket plate assembly x 1pc
 (B2) TSU808 right bracket plate assembly x 1pc
 (B3) MS1_ver3 spacer x 4pcs
 (B4) spacer 17mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
 (B5) M6 x 40mm round head bolts x 4pcs
 (B6) additional M6 washers (use if necessary)
 (B7) M6 lock washers x 4pcs

Fig. 2-D-(viii)-3



1. Cover gas tank and front fender with protective material.
2. Install the TSU808P bracket assembly as shown in Fig.2-D-(viii)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.
3. Refer to Fig.2-D-(viii)-2. Install the rest part of TSU808P. Also DO NOT tighten the bolts until the fairing is installed.
4. Install the mounting plates assembly as shown in Fig.2-D-(viii)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU808.
5. Please refer to PAGE 18 and 19 for more details and wiring installation.

*Note for B6: Refer to page 18

Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(ix) Kawasaki Vulcan 900 Classic

Two hardware kits are needed: a) TSU809P adaptive brackets kit; b) TSU809 bracket plates assembly kit
To Handle Bar bolts

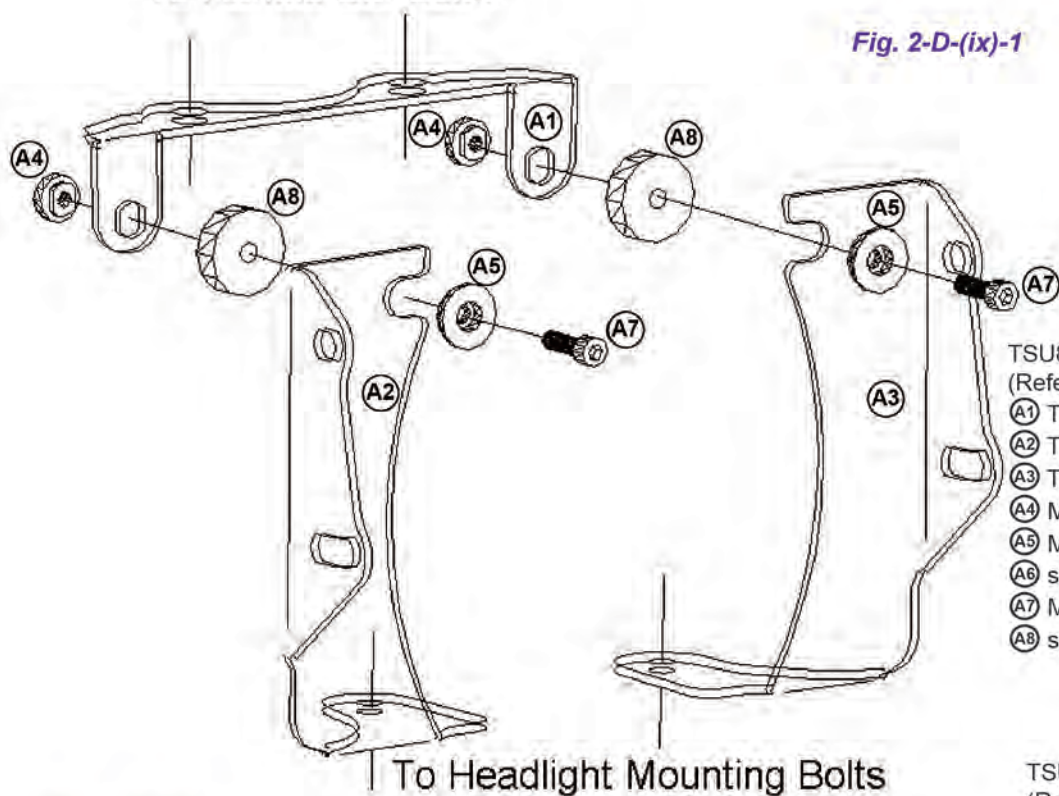
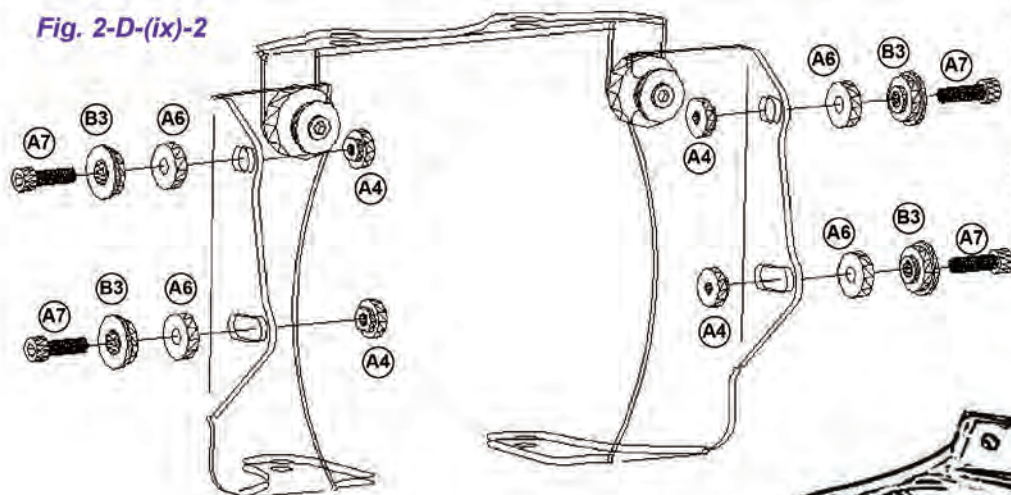


Fig. 2-D-(ix)-1

TSU809P adaptive brackets kit includes
(Refer to Fig. 2-D-(ix)-1 and 2-D-(ix)-2):
 (A1) TSU809_p1 bracket assembly x 1pc
 (A2) TSU809_p2 left bracket assembly x 1pc
 (A3) TSU809_p2 right bracket assembly x 1pc
 (A4) MS_NUT x 6pcs
 (A5) MS1_ver3 spacer x 2pcs
 (A6) spacer 5mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
 (A7) M6 x 20mm bolt cylinder head x 6pcs
 (A8) spacer 9mm(L) x 6.5mm(I) x 30mm(O) x 2pcs

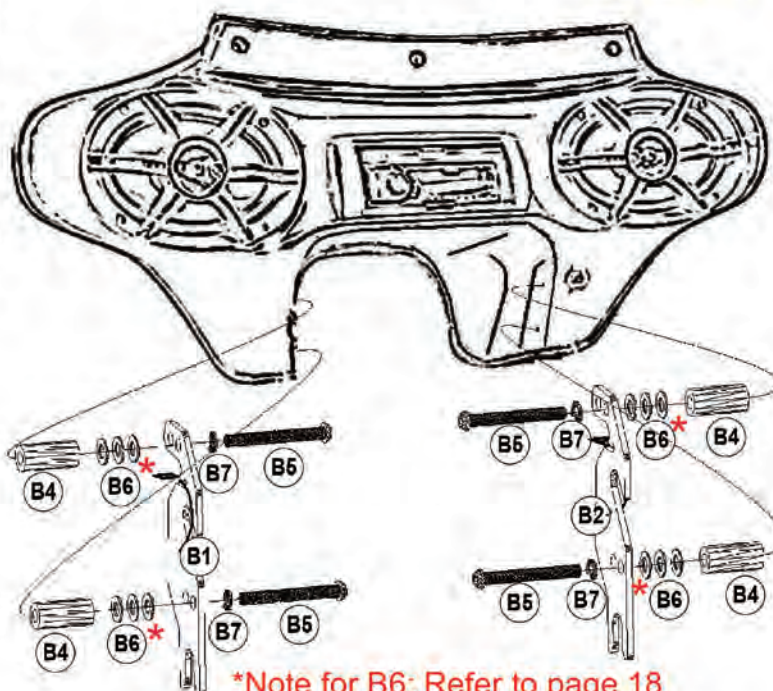
To Headlight Mounting Bolts

Fig. 2-D-(ix)-2



TSU809 bracket plates kit includes
(Refer to Fig. 2-D-(ix)-2 and 2-D-(ix)-3)
 (B1) TSU809 left bracket plate assembly x 1pc
 (B2) TSU809 right bracket plate assembly x 1pc
 (B3) MS1_ver3 spacer x 4pcs
 (B4) spacer 28mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
 (B5) M6 x 45mm round head bolts x 4pcs
 (B6) additional M6 washers (use if necessary)
 (B7) M6 lock washers x 4pcs

Fig. 2-D-(ix)-3



1. Cover gas tank and front fender with protective material.
2. Install the TSU809P bracket assembly as shown in Fig.2-D-(ix)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.
3. Refer to Fig.2-D-(ix)-2. Install the rest part of TSU809P. Also DO NOT tighten the bolts until the fairing is installed.
4. Install the mounting plates assembly as shown in Fig.2-D-(ix)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU809.
5. Please refer to PAGE 18 and 19 for more details and wiring installation.

*Note for B6: Refer to page 18

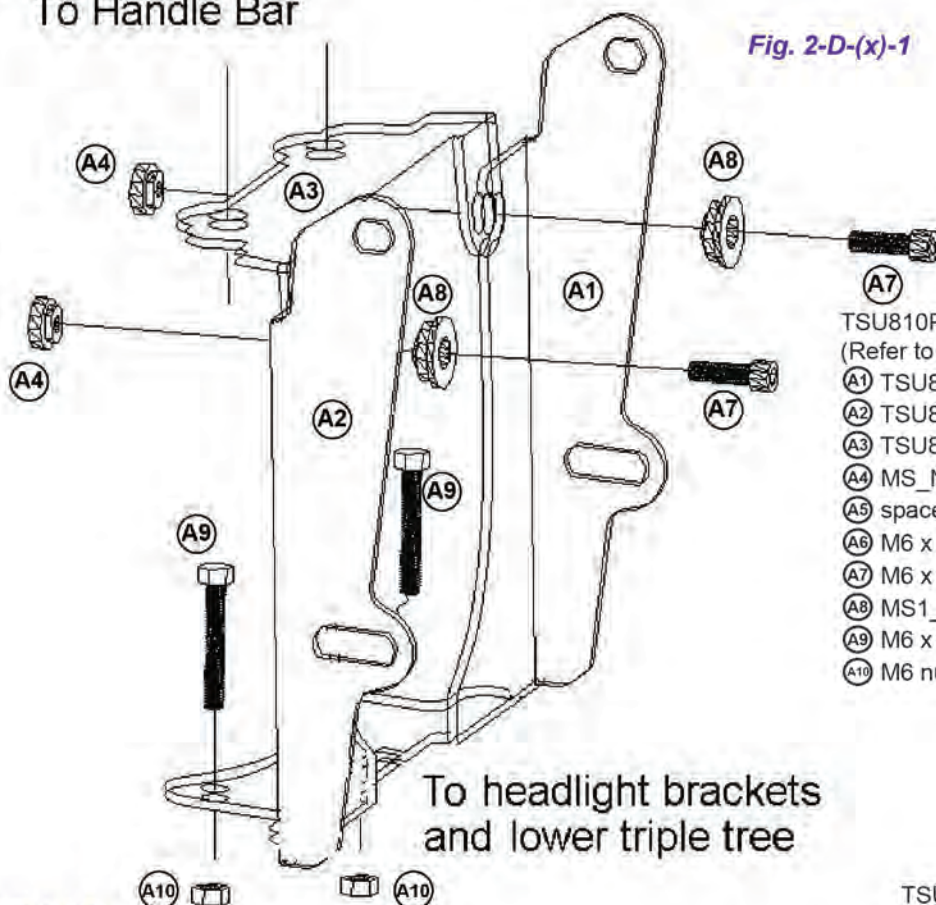
Part 2-D) For installation with Tsukayu adaptive brackets & plates assembly kit

(x) Kawasaki 1500 Classic and VN800B Vulcan Classic

Two hardware kits are needed: a) TSU810P adaptive brackets kit; b) TSU810 bracket plates assembly kit

To Handle Bar

Fig. 2-D-(x)-1

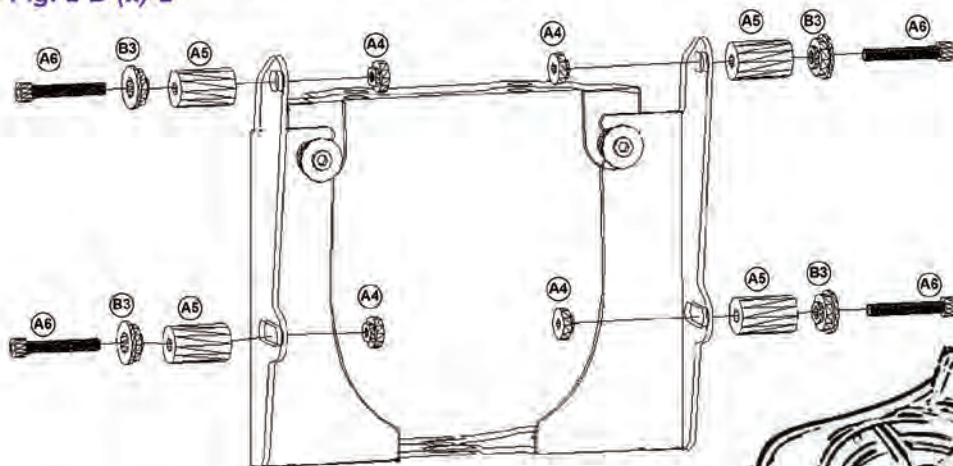


TSU810P adaptive brackets kit includes
(Refer to Fig. 2-D-(x)-1 and 2-D-(x)-2):

- Ⓐ1 TSU810_p1 left bracket assembly x 1pc
- Ⓐ2 TSU810_p1 right bracket assembly x 1pc
- Ⓐ3 TSU810_p2 bracket assembly x 1pc
- Ⓐ4 MS_NUT x 6pcs
- Ⓐ5 spacer 17mm(L) x 6.5mm(I) x 19mm(O) x 4pcs
- Ⓐ6 M6 x 40mm bolt cylinder head x 4pcs
- Ⓐ7 M6 x 20mm bolt cylinder head x 2pcs
- Ⓐ8 MS1_ver3 spacer x 2pcs
- Ⓐ9 M6 x 40mm bolt hex head x 2pcs
- Ⓐ10 M6 nuts x 2pcs

To headlight brackets
and lower triple tree

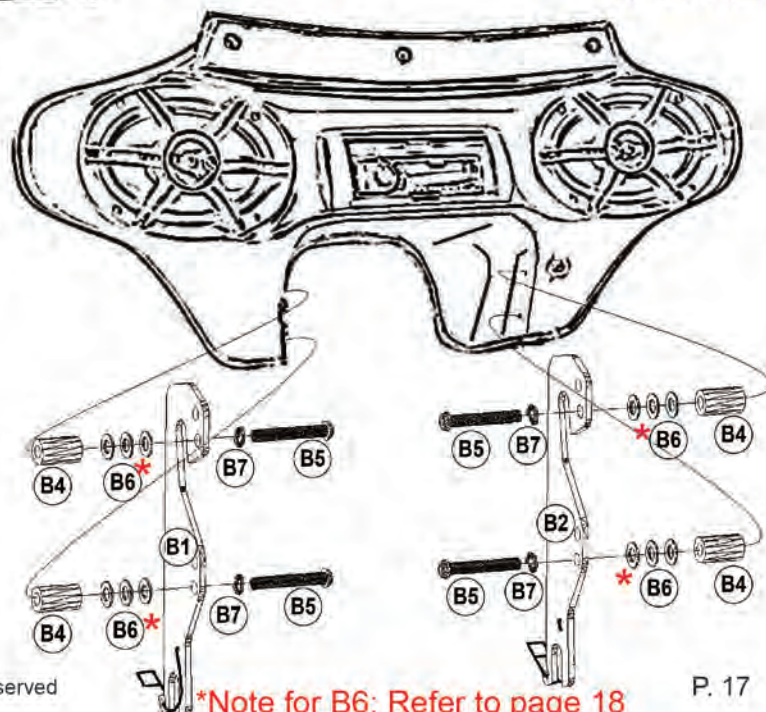
Fig. 2-D-(x)-2



TSU810 bracket plates kit includes
(Refer to Fig. 2-D-(x)-2 and 2-D-(x)-3)

- Ⓑ1 TSU810 left bracket plate assembly x 1pc
- Ⓑ2 TSU810 right bracket plate assembly x 1pc
- Ⓑ3 MS1_ver3 spacer x 4pcs
- Ⓑ4 spacer 35mm(L) x 6.5mm(I) x 13mm (O) x 4pcs
- Ⓑ5 M6 x 40mm round head bolts x 4pcs
- Ⓑ6 additional M6 washers (use if necessary)
- Ⓑ7 M6 lock washers x 4pcs

Fig. 2-D-(x)-3



1. Cover gas tank and front fender with protective material.

2. Install the TSU810P bracket assembly as shown in Fig.2-D-(x)-1, the turn signal bar should be removed temporarily (turn signal bar is not shown in the figure). DO NOT tighten the bolts until fairing is installed.

3. Refer to Fig.2-D-(x)-2. Install the rest part of TSU810P. Also DO NOT tighten the bolts until the fairing is installed.

4. Install the mounting plates assembly as shown in Fig.2-D-(x)-3. Add M6 washers if the distance of the two mounting plates doesn't perfectly match the distance between the two slots of TSU810.

5. Please refer to PAGE 18 and 19 for more details and wiring installation.

Part 2-D-(xi) Additional installation info for (i) - (x)

1. Measure the distance between the slots on left and right quick release pins, this distance will be used to adjust the distance between the bracket plates on fairing, you need to measure it as accurate as possible, we suggest measuring in mm. {Fig 2-D-(xi)-1}

2. Now install the bracket plates with the two holes near the latch {Fig 2-D-(xi)-3}, the other two holes combination maybe helpful if you are using aftermarket handlebar, install the plates with spacers and washers provided between the bracket plates and fairing so the distance between two plates perfectly match the quick release pins {Fig. 2-D-(xi)-2}, the spacers provided are close to what you need, but you may still need to add washers until they perfectly match, make sure you use same number of spacers and washers for all holes. Don't mix up Left and Right bracket plates, the latch should be located on the outside of the bracket plates (refer to all pictures on the next page). Try to put the fairing on, normally you will need to modify the number of washers several times until they match.

3. Now put the fairing on, you may need a helper for doing this step easier. Make sure the bracket plates are tightened securely.

4. Put on the fairing by putting the bracket plates on the slots on the quick release pins, refer to {Fig. 2-D-(xi)-4 and 2-D-(xi)-5}

5. Latch the both side bracket plates securely, refer to Fig 2-D-(xi)-6. Tighten all the bolts on the fairing and all bolts on the whole mounting system.

Installation of Wiring Harness (for full stereo)

1. The power harness contains three wires to hook up. The thick red wire with fuse is connected to positive terminal of the battery.

2. The thick black wire is connected to the negative terminal of the battery.

3. The small brown wire can be connected two ways.

-Connect to the positive terminal of the battery or to an always on positive power connection. This is suggested method for connecting the brown wire for simplicity. This will give you a stereo that can be played without the motorcycle key switched on. You will have to turn the stereo on and off with the radio power switch or remote. OR

-Connect to an accessory circuit wire on the bike. This wire will go to 12 Volts only when you turn the key switch to Accessory or ON position. Refer to your motorcycle service manual for your model to find the accessory circuit wire color code and circuit breaker location.

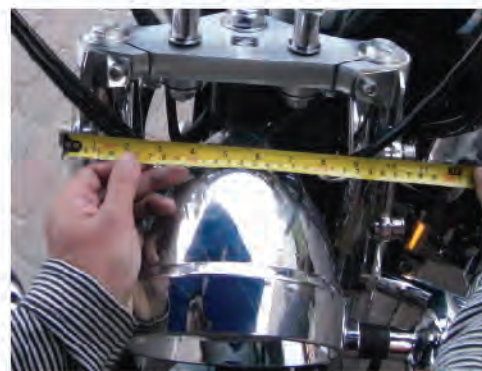


Fig. 2-D-(xi)-1



Fig. 2-D-(xi)-2

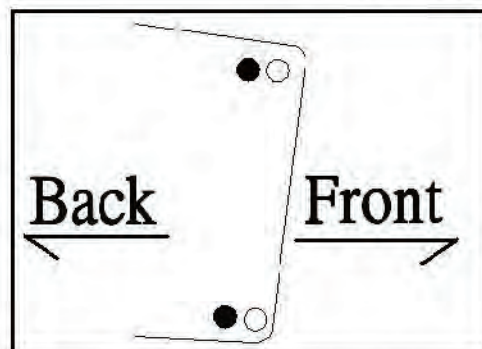


Fig. 2-D-(xi)-3



Fig. 2-D-(xi)-4

If wired this way, the radio will come on when the key switch is turned on to run the motorcycle, and will turn on when you turn the key switch to accessory when the motorcycle is not running. You may use the wire tap (in blue or yellow color) provided to do this connection.

4. Test if the connection is correct at this time before routing the power harness, align arrows on the connector from the power harness and the fairing harness directly before go the next step. Doing this will save you a lot of time for redo this step in case there is problem with the connection, because doing wiring has higher chance burning the fuse. Turn on the key switch (if you connect the brown wire to the accessory wire), then turn on the stereo according to the radio manual provided. If the radio doesn't turn on, check again if what you did is correct, follow the troubleshooting procedures on the later section of this installation guide if needed.

5. Route the power harness under the gas tank so the end connector is at the front of the right side of the gas tank. Prevent the power harness from touching the engine, you may use the zip ties provided to hold the power harness in place along the motorcycle harness. Do not pinch or damage any wiring or disturb the factory harness. Align arrows on the connector from the power harness and the fairing harness. Push together until they bottom against each other. Turn the threaded collar until seated to lock the connector halves together.

Turn the front end fully side to side and verify there will be no problems with your choice of routing or connecting the power harness.

6 make sure the power harness doesn't interfere the closing of the battery cover, adjust the direction of the connecting rings at the battery terminals, find a way to place the power harness without interfering the battery cover. Also, make sure the fuse box and the power harness are placed and routed properly are keep them away from the bottom of the seat.

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Test and check periodically

After installation of the fairing and wiring harness, test for functionality of stereo (refer to CD Player Manual), make sure all the bolts are tighten, and make sure the mounting brackets are in correct place and latched. Check all the details before riding and check periodically.

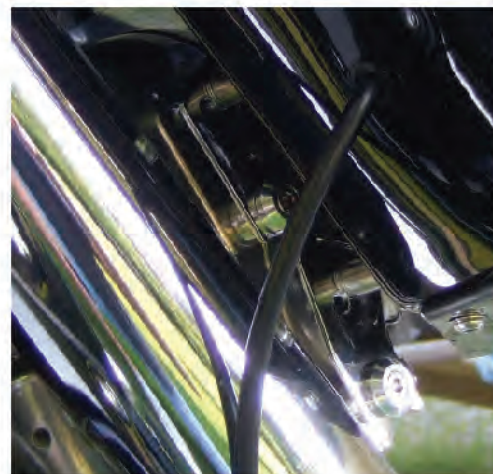


Fig. 2-D-(xi)-5



Fig. 2-D-(xi)-6



Fig. 2-D-(xi)-7

Part 2-E) For installation with Fork Clamps

1. Loosen the bolts on the fork clamps until you can slide them along the forks but tight enough to hold the fairing (Fig 2-E-1 and 2-E-2). Mount 2 fork clamps on each side of the forks with the quick release pins placed outside, but make sure they can be adjusted.
2. Measure the distance between the slots on left and right quick release pins, this distance will be used to adjust the distance between the bracket plates on fairing, you need to measure it as accurate as possible, we suggest measuring in mm. (Fig 2-E-3)
3. Now install the bracket plates with the two holes near the latch(Fig 2-E-5), the other two holes combination maybe helpful if you are using aftermarket handlebar, install the plates with spacers and washers provided between the bracket plates and fairing so the distance between two plates perfectly match the quick release pins(Fig. 2-E-4), the spacers provided are close to what you need, but you may still need to add washers until they perfectly match, make sure you use same number of spacers and washers for all holes. Don't mix up Left and Right bracket plates, the latch should be located on the outside of the bracket plates(refer to all pictures on the next page). Try to put the fairing on, normally you will need to modify the number of washers several times until they match.
4. Now put the fairing on, you may need a helper for doing this step easier. Make sure the bracket plates are tightened securely.
5. Put the fairing on and latch it, slide the fairing along the forks to where it keep clear from the turn signal / passing lamp and low enough for looking good, you may slide to where it almost touching the top of headlight. (Fig 2-E-6)
6. Tighten all the bolts on the fork clamps and fairing, and all bolts on the whole mounting system.

Installation of Wiring Harness (for full stereo)

1. The power harness contains three wires to hook up. The thick red wire with fuse is connected to positive terminal of the battery.
2. The thick black wire is connected to the negative terminal of the battery.
3. The small brown wire can be connected two ways.

-Connect to the positive terminal of the battery or to an always on positive power connection. This is suggested method for connecting the brown wire for simplicity. This will give you a stereo that can be played without the motorcycle key switched on. You will have to turn the stereo on and off with the radio power switch or remote. OR



Fig. 2-E-1



Fig. 2-E-2

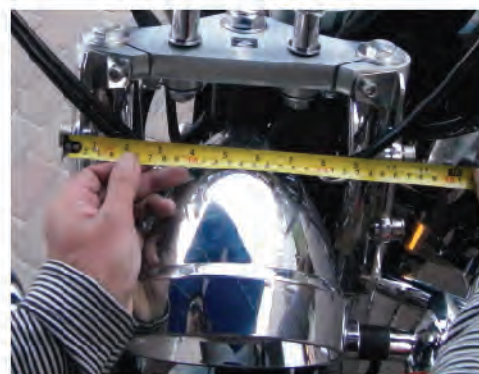


Fig. 2-E-3



Fig. 2-E-4

-Connect to an accessory circuit wire on the bike. This wire will go to 12 Volts only when you turn the key switch to Accessory or ON position. Refer to your motorcycle service manual for your model to find the accessory circuit wire color code and circuit breaker location. If wired this way, the radio will come on when the key switch is turned on to run the motorcycle, and will turn on when you turn the key switch to accessory when the motorcycle is not running. You may use the wire tap (in blue or yellow color) provided to do this connection.

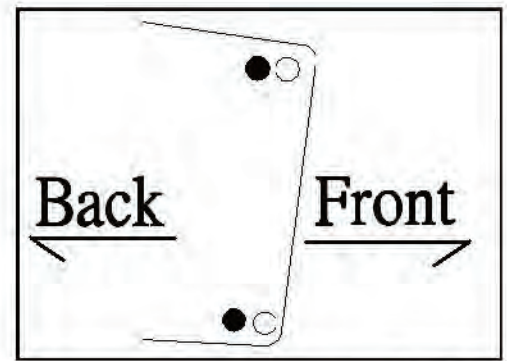


Fig. 2-E-5

4. Test if the connection is correct at this time before routing the power harness, align arrows on the connector from the power harness and the fairing harness directly before go the next step. Doing this will save you a lot of time for redo this step in case there is problem with the connection, because doing wiring has higher chance burning the fuse. Turn on the key switch (if you connect the brown wire to the accessory wire), then turn on the stereo according to the radio manual provided. If the radio doesn't turn on, check again if what you did is correct, follow the troubleshooting procedures on the later section of this installation guide if needed.



Fig. 2-E-6

5. Route the power harness under the gas tank so the end connector is at the front of the right side of the gas tank. Prevent the power harness from touching the engine, you may use the zip ties provided to hold the power harness in place along the motorcycle harness. Do not pinch or damage any wiring or disturb the factory harness. Align arrows on the connector from the power harness and the fairing harness. Push together until they bottom against each other. Turn the threaded collar until seated to lock the connector halves together.

Turn the front end fully side to side and verify there will be no problems with your choice of routing or connecting the power harness.



Fig. 2-E-7

6. make sure the power harness doesn't interfere the closing of the battery cover, adjust the direction of the connecting rings at the battery terminals, find a way to place the power harness without interfering the battery cover. Also, make sure the fuse box and the power hardness are placed and routed properly are keep them away from the bottom of the seat.

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Test and check periodically

After installation of the fairing and wiring harness, test for functionality of stereo (refer to CD Player Manual), make sure all the bolts are tighten, and make sure the mounting brackets are in correct place and latched. Check all the details before riding and check periodically.

Part 3) Troubleshooting for CD player doesn't turn on

CD player doesn't turn on is because of the ground wire, +Battery wire or/and Acc wire is/are not successfully connected to the CD player because of bad connection or blowing of fuse(s). Carefully follow the following trouble shooting procedures to find out the source of the bad connection and get it fixed.

1) Check if the fuse is loosen or blown.

There are two fuses, one comes with the wiring harness provided, inside the red fuse box, it is located under your seat, near the positive battery terminal after installation. (Fig 3-1) Fig 3-2) The other one is at the back of CD player. (Fig 3-3) (Fig 3-4).



Fig. 3-1

2) Check if the socket behind the CD player is loosen.

Replace blown and make sure all sockets are plugged securely. (To access the back of the CD player, you need to separate the inner and outer fairings by removing the top three bolts on the windshield and the two bolts at the bottom of fairing.



Fig. 3-2

3) Check if the Accessory wire is connected properly (the brown thin wire on the wiring harness), especially if you are using the wire-tap provided. The metal inside the brown wire has to be in touch with the accessory wire (or +ve Battery terminal) of your motorcycle.

4) If the CD player still doesn't turn on, you will need a voltmeter / general purpose multimeter to do the following troubleshooting procedures.

Unplug the socket at the back of CD player, set your multimeter for measuring up to DC 15-20V voltage range(wrong setting will burn the fuse in multimeter), carefully measure directly on the socket (Fig 3-5) the voltages of:

- a) yellow-black wires combination.
- b) red-black wires combination.
- c) red-Ground and yellow-Ground combinations, probe to any ground connected parts on your motorcycles.



Fig. 3-3

Beware of shorting the wires. All wire combinations have to be 12 V or above (equal to battery voltage) in order to turn on the CD player. If any one of the above measurements is not 12V or above, you will be able to determine which wire is bad connected(+12V, Ground or Acc). Find out the location of bad connection by measuring the whole wiring harness step by step toward to battery end or the key switch end (Fig 3-6).



Fig. 3-4

More information about the wiring harness:

- Yellow wire on the socket at the back of CD player is positive battery wire, is it connected to the red wire of the wiring harness on your motorcycles through the three terminals plug, and should be connected to the positive battery terminal through the fuse.

- Red wire is Accessory wire, it is connected the brown wire of the wiring harness through the three terminals plug, to your key switch or to the positive battery terminal(depend on your choice of connection)

- Black wire is ground, it is connected to the negative terminal of battery, it should be shorted with the grouded frame of motorcycles.



Fig. 3-5

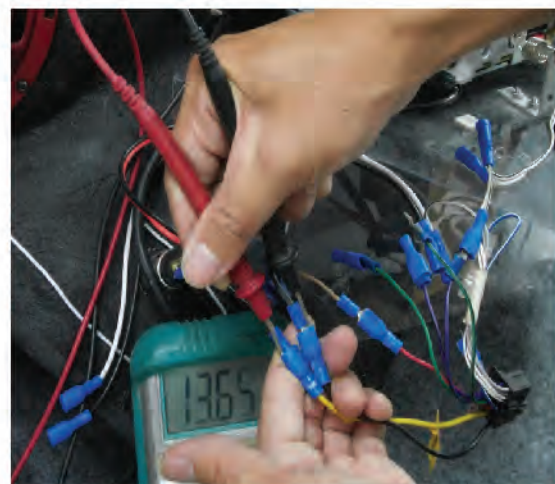


Fig. 3-6

Warning: Installation is strongly recommended to be performed by professionals. All commonly accepted shop safety precautions should be understood and followed when attempting this installation. Refer to Factory service manuals for your model for information before attempting to attach any accessory to a motorcycle. It is the owners responsibility to understand and accept responsibility for installation and use of this accessory. If you are unsure of any part of the installation, stop and verify the safety of what you are doing.

Further Questions

If you have any further question, additional information may be available at the FAQ page of www.tsukayu.com, or you may contact us at sales@tsukayu.com.