

Technical BULLETIN

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2006 FJR1300AV, AVC

Incorrect Display of Instantaneous Fuel Consumption

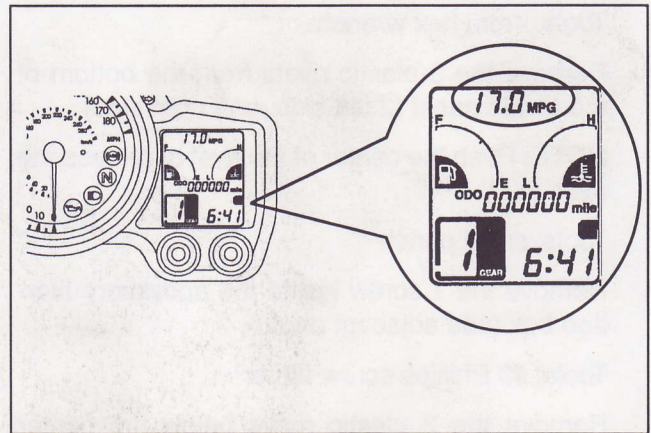
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INTRODUCTION

Symptom: The display of instantaneous fuel consumption on the meter will not go higher than 17.0 mpg.

Cause: The meter was not programmed correctly to display more than 17 mpg instantaneous fuel consumption.

Remedy: The meter programming has been corrected on all units produced after the affected range to display a maximum of 99 mpg instantaneous fuel consumption. Units within the affected range should have their meter assembly replaced with the meter kit assembly (see *Parts Information* section, page 10).



DEALER ACTION SUMMARY

Unsold Units:

Please replace the meter assembly during pre-delivery set up on all affected units.

Sold Units:

Please contact affected customers and explain about the availability of the new odometer. The new odometer will have zero miles, so it will be necessary to use stickers to make notation in the owner's manual and on the motorcycle recording the actual mileage on the motorcycle when the odometer was replaced. Before modifying an unfamiliar unit, check to see if the instantaneous fuel consumption reading will go above 17 mpg (you can also check YDS or, on some units, look for a sticker inside the accessory storage box).

IMPORTANT: There are stickers included with the replacement meter. These must be used on units with mileage to comply with federal motor vehicle requirements. Affix one inside the accessory storage box lid on the motorcycle and the other inside the back cover of the Owner's Manual. You must also follow any additional steps required by your state's DMV regulations, if applicable, when replacing the odometer. A set of stickers is also included with this bulletin.

Parts

Required: Yes, order one kit per affected unit (refer to *Parts Information* section, page 10).

Warranty: Submit a Service-Per-Bulletin (90 Code) Warranty Request for parts and labor.



AFFECTED RANGE

2006 FJR1300AV: RP15E-0000003~0001400

2006 FJR1300AVC: RP15Y-0000001~0000240



SERVICE PROCEDURES

Please read the entire following procedure before starting:

1. Remove the inner cowl panels by performing the following:
 - Remove the 6 screws from the top of the inside panel (silver colored screws at center, see adjacent photo).

Tools: 4mm hex wrench

- Remove the 3 plastic rivets from the bottom of the inside panel (2 left side, one right side).

NOTE: Push the center of the rivet to release the rivet.

Tools: small punch

- Remove the 1 screw inside the accessory storage box (see adjacent photo).

Tools: #3 Phillips screw driver

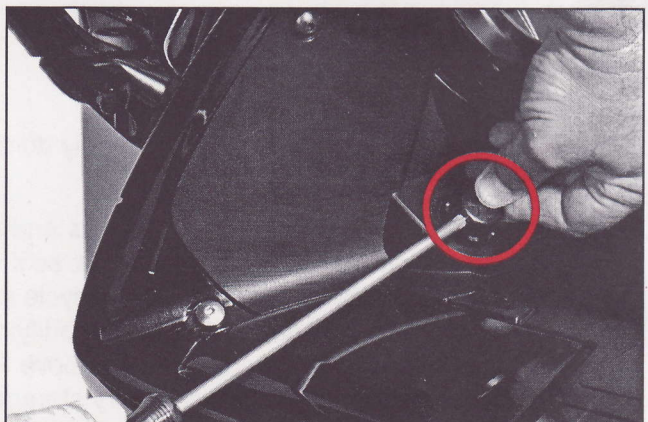
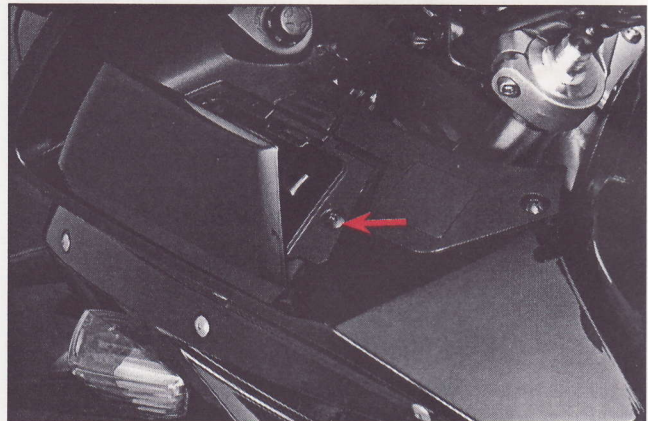
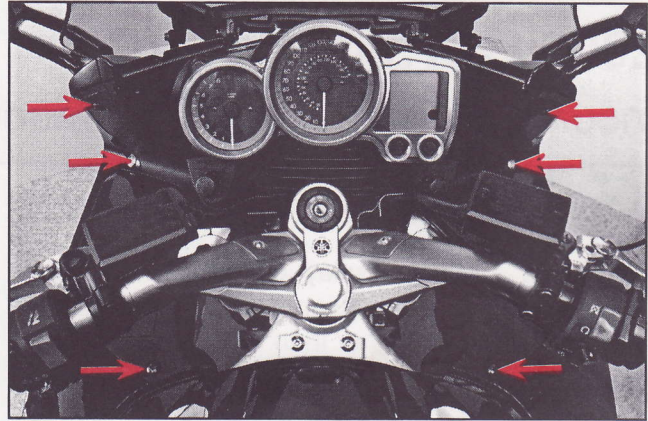
- Remove the 2 plastic rivets below the center vent.

Tools: small punch

- Remove the right rear and left rear inner panels.

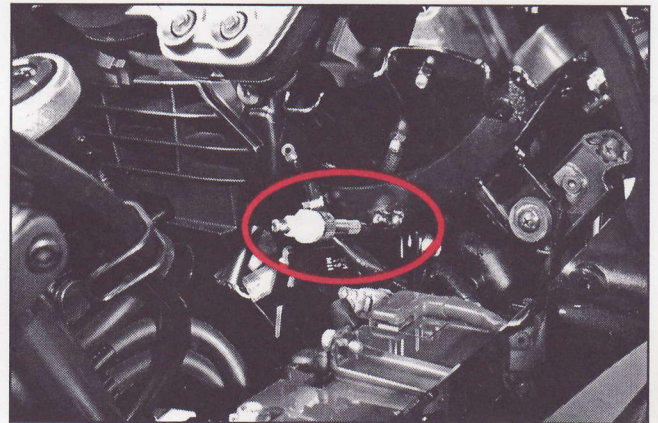
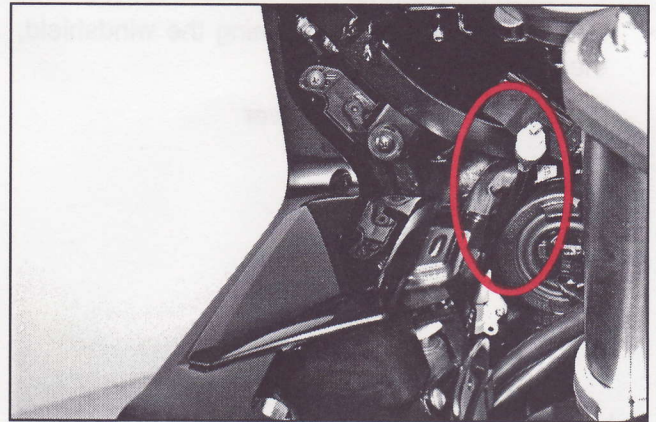
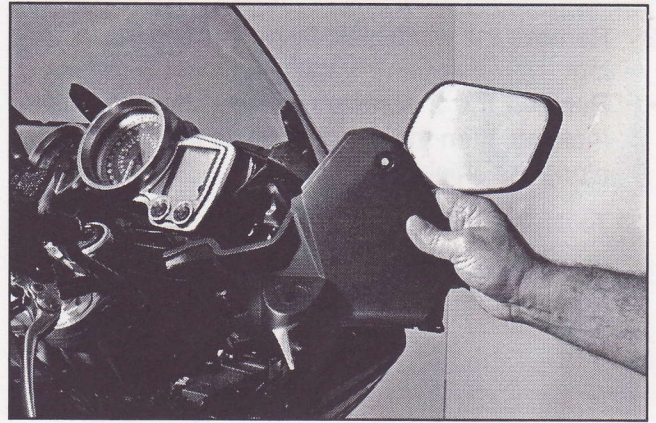
- Remove the right and left headlight adjuster screws, then the adjuster knobs and retaining nuts.

Tools: #2 Phillips screw driver
17mm wrench



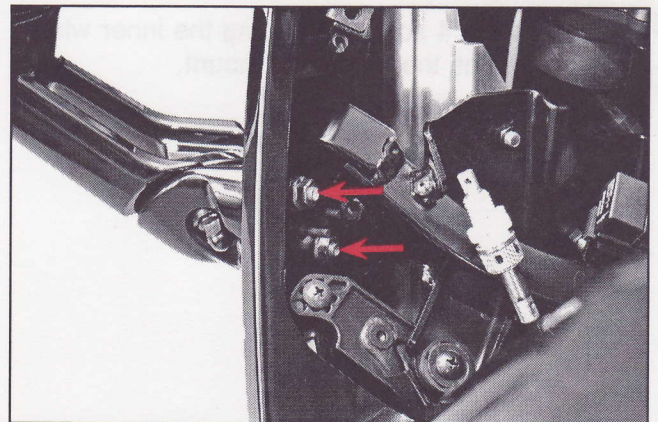
- Remove the right front then left front inner panels.

IMPORTANT: Be sure to note the routing of the headlight adjustment cables during disassembly. If they are routed incorrectly during disassembly, the front cowl must be removed to correctly route these cables.



2. Remove the mirrors by performing the following:
 - Remove the 4 nuts retaining the mirrors. (The rubber washer at the mirror base is not symmetrical and must be installed correctly to match the mirror base during assembly.)

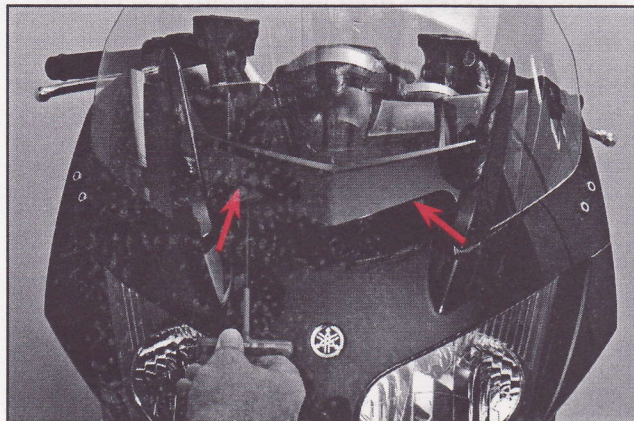
Tools: 10mm socket wrench



3. Remove the windshield by performing the following:

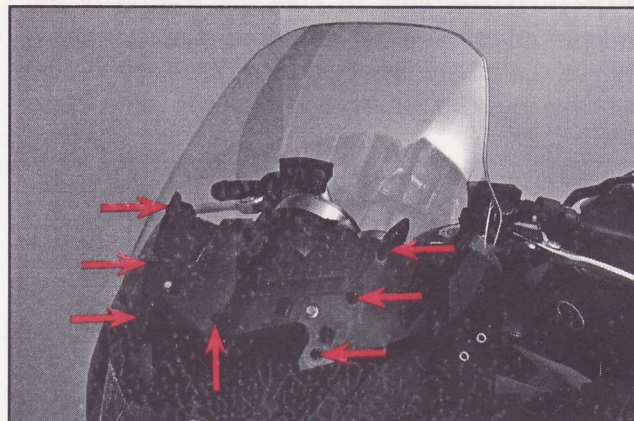
- Remove the 2 screws retaining the windshield molding, then the molding (slide the molding up along the shield then off).

Tools: 3mm hex wrench



- Remove the 7 screws retaining the windshield, then the windshield.

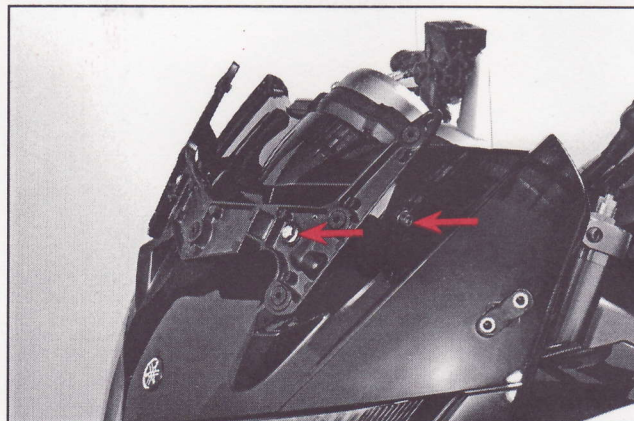
Tools: #2 Phillips screw driver



4. Remove the windshield mount by performing the following:

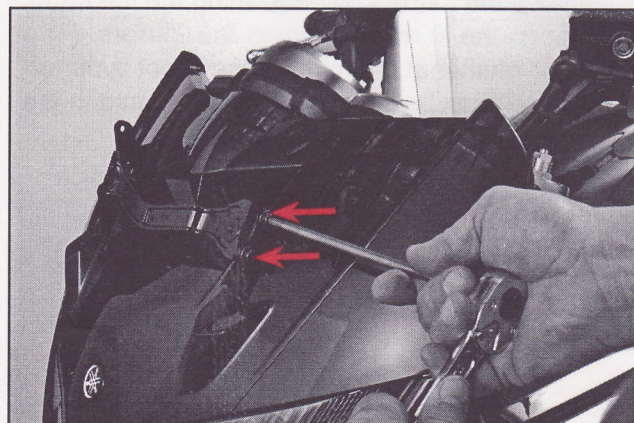
- Remove the 2 screws and 2 bolts retaining the windshield outer mount, then the outer mount.

Tools: 5mm hex wrench
10mm socket wrench



- Remove the 4 screws retaining the inner windshield mount, then the inner mount.

Tools: 5mm hex wrench

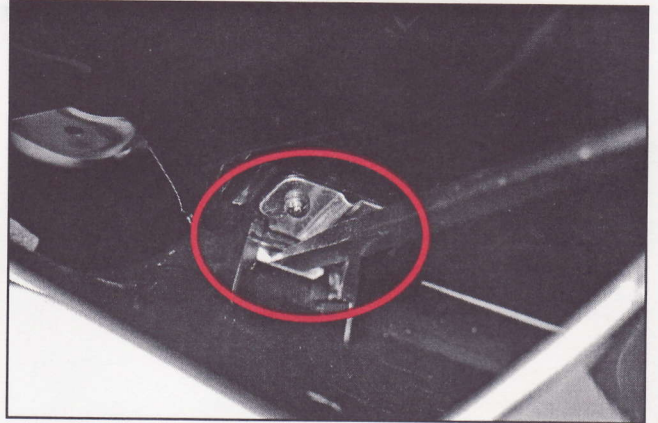
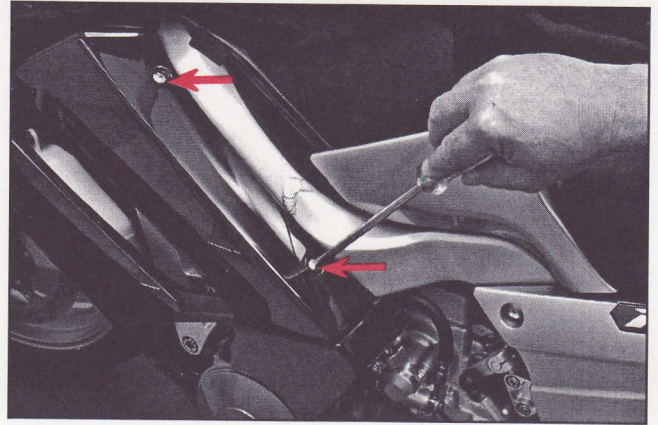


5. Remove the side vent by performing the following:

- Remove the quick fasteners, open the side vent, flex the hinge open slightly, then remove the side vent.

Tools: #3 Phillips screw driver

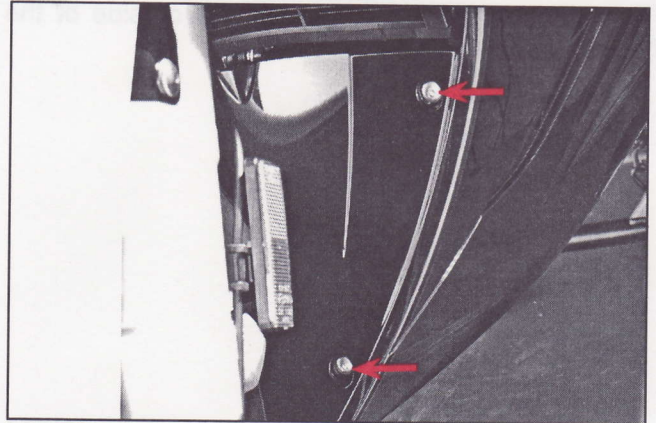
Large flat blade screw driver



6. Remove the left lower cowl panel by performing the following:

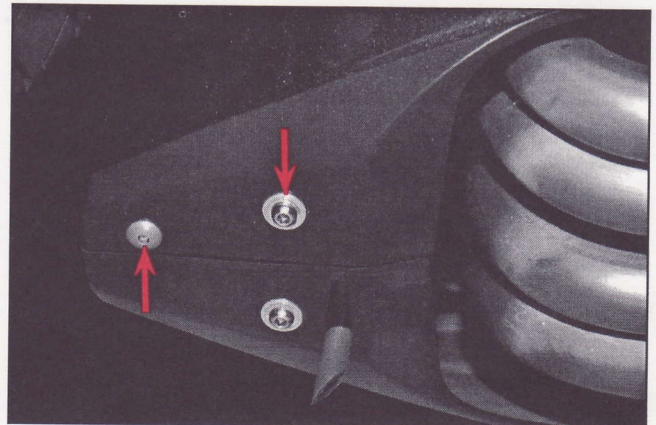
- Remove the 2 screws on the left of the lower center cowl panel.

Tools: 4mm hex wrench



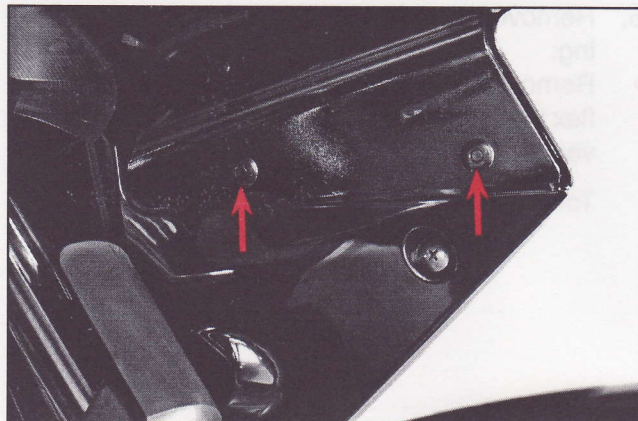
- Remove the 2 screws on the bottom of the lower left cowl panel.

Tools: 4mm hex wrench



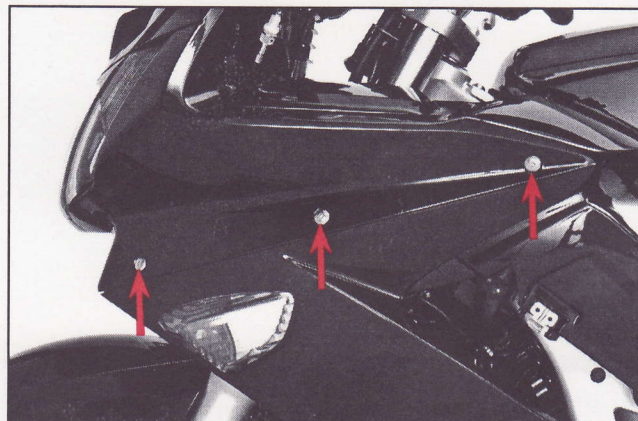
- Remove the 4 plastic rivets from inside of the lower left and right cowl panel.

Tools: small punch



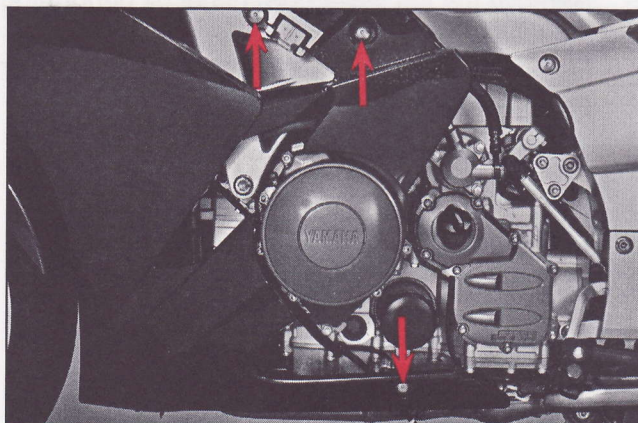
- Remove the 3 screws from the top of the lower left and right cowl panel.

Tools: 4mm hex wrench



- Remove the 3 screws from the outside of the lower left cowl panel.

Tools: 4mm hex wrench



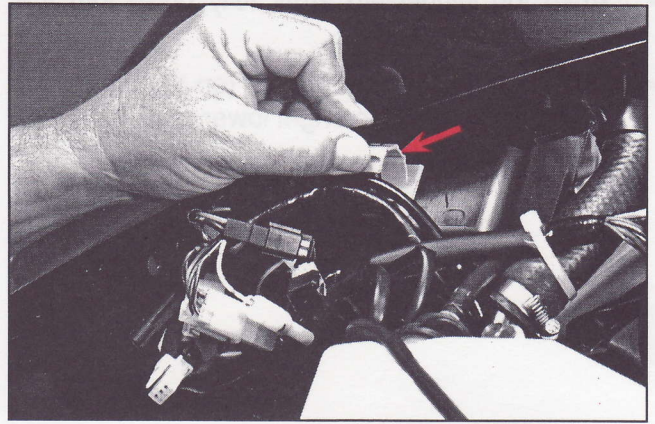
- Disconnect the left turn signal wire connector, then remove the lower left cowl panel.

Tools: 4mm hex wrench

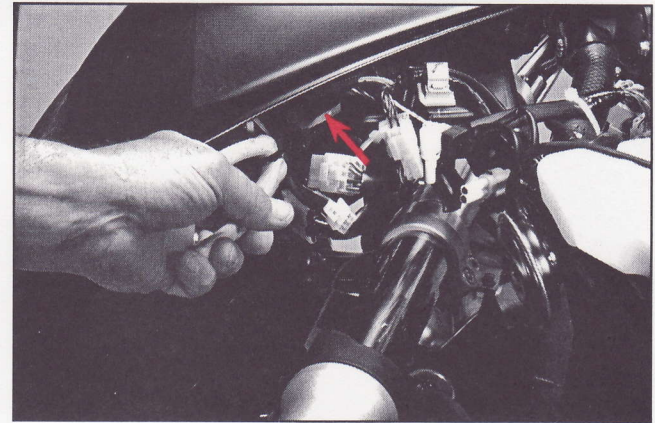


7. Remove the wiring from the storage box by performing the following:

- Open the wire clamp on the side of the storage box and remove the wires.

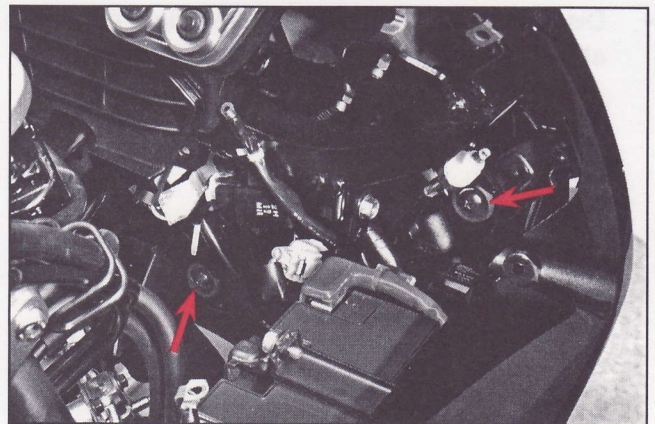


- Clip the zip tie attaching the wire harness to the storage box.
- Disconnect the black connector for the accessory power outlet.
- Disconnect the connector at the storage box solenoid.



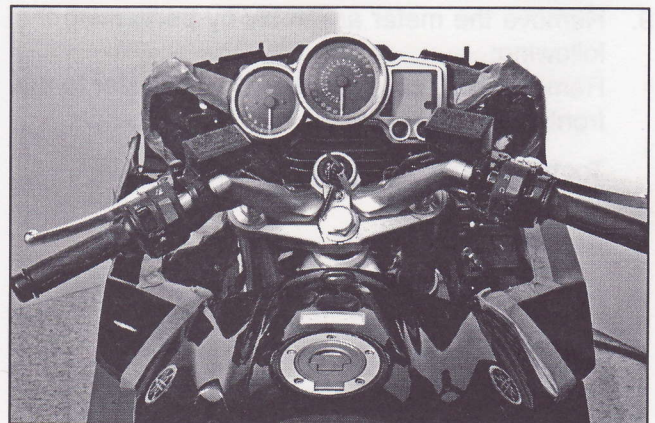
8. Remove the front cowl by performing the following:

- Remove the 4 screws retaining the front cowl to the front cowl bracket.
- Turn the main switch on and open the storage box lid.
- Disconnect the battery negative terminal.

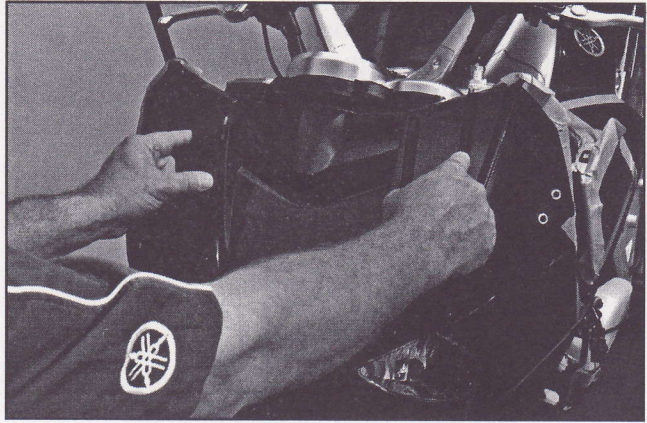


- Apply protective tape around the inside edge of the front cowl and storage box lid.

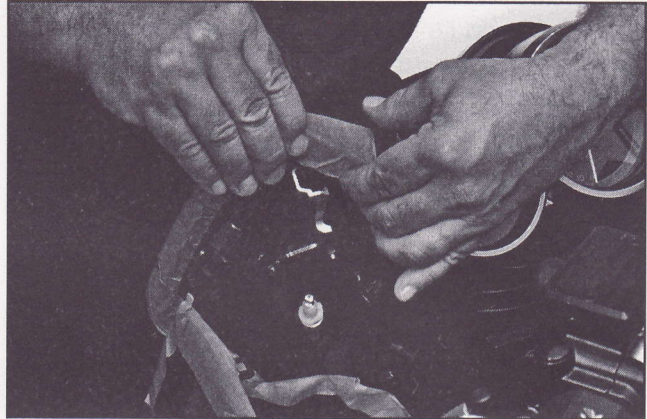
Tools: masking tape



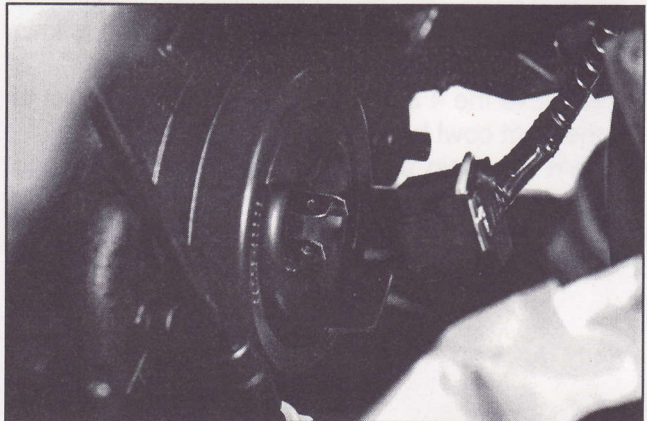
- Push the windshield arms fully down into the slots in the front cowl.
- Pull the front cowl out and up (on the right side) to disconnect with the right lower cowl.



- Flex the sides of the upper cowl outward and lift the front cowl up and over the windshield lifting mechanism.

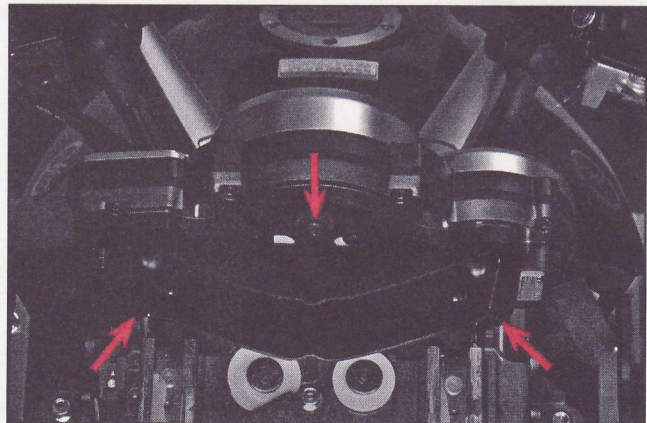


- Disconnect the right and left headlight couplers at the headlights and remove the front cowl.



9. Remove the meter assembly by performing the following:
 - Remove the 3 screws retaining the meter to the front cowl bracket.

Tools: Long #2 Phillips screw driver



- Disconnect the wire connector at the meter and remove the meter.

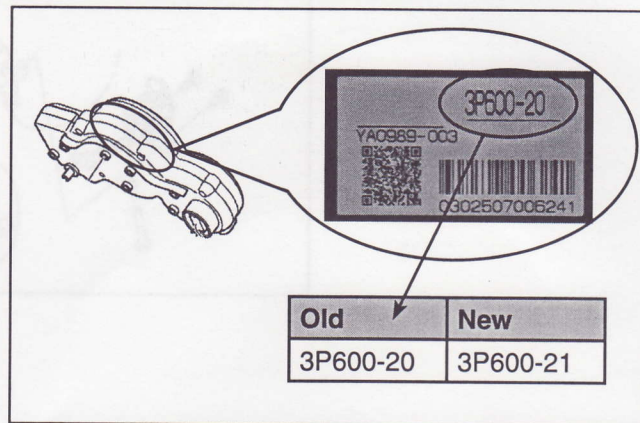
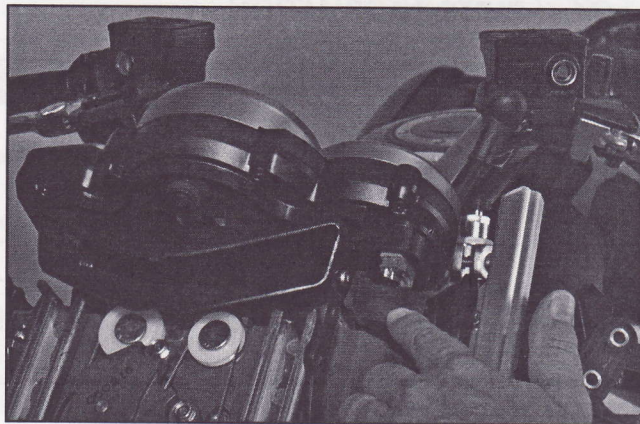
10. Install the new meter.

NOTE: New and old meters can be identified by the label on the back of the meter housing (see lower adjacent illustration).

11. Reassemble in reverse order of the removal sequence.

IMPORTANT: Be sure to correctly route the headlight adjustment cables when installing the front cowl. If the cables are routed incorrectly during reassembly, the front cowl must be removed again to correctly route them (see photo in step 1, page 2 for the correct routing of the cables).

12. Using a screwdriver, bend over the pins inside the connector on the back of the old meter so it cannot be reused accidentally. Tag and hold the meter for 90 days.



IDENTIFICATION PROCEDURE

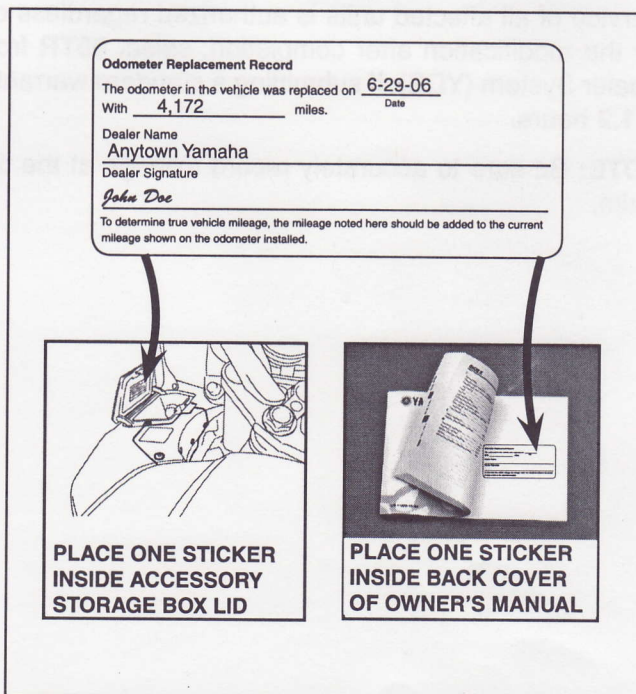
Units with Mileage

To comply with federal motor vehicle requirements regarding disclosure of actual vehicle mileage, record the actual mileage at the time of odometer replacement on units with mileage. Stickers for this purpose have been included with the replacement meter (see adjacent illustration).

Complete both stickers. Put one on the inside (underside) of the accessory storage box lid on the motorcycle and the other inside the back cover of the Owner's Manual. Your state may have additional notification requirements you must follow; check with your state's DMV if you do not know if applicable regulations exist.

Units without Mileage

It is not necessary to use the stickers.

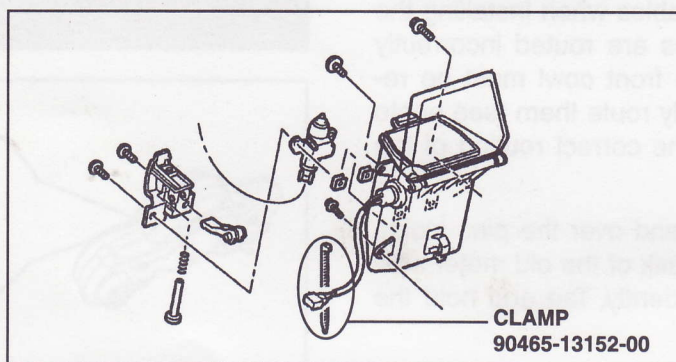




PARTS INFORMATION

Part Number	Description	Qty	Dealer Cost
90891-30035-00	Meter Kit	1	\$249.95
	• Meter Assembly (3P6-83500-21-00)	1	
	• Clamp (Zip tie) (90465-13152-00)	1	
	Odometer Replacement Record Sticker	2	

NOTE: The purpose of the clamp (zip tie) (90465-13152) is for securing the wire harness to the storage box. It is necessary to cut the original clamp to remove the front cowling, therefore it is including in this kit.



WARRANTY INFORMATION

Service of all affected units is authorized regardless of warranty status. To receive credit for parts and labor for the modification after completion, select **90TR** from the Problem Code pull down menu in the Yamaha Dealer System (YDS). If submitting a standard warranty claim, use Problem Code **90TR**. The labor allowance is **1.2** hours.

NOTE: Be sure to accurately record mileage at the time of replacement (to the nearest whole mile) on the claim.