

Technical BULLETIN

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SAFETY RECALL

This modification has top priority. This bulletin must be performed immediately to ensure customer safety.

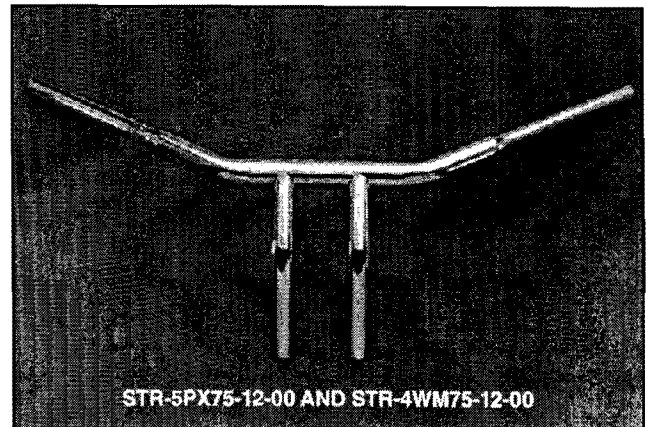
NOTE: Bulletins that announce a recall will have an "R" at the end of the bulletin number.

ACCESSORY FAT DOUBLE "T" HANDLEBARS FACTORY MODIFICATION CAMPAIGN – Thin Tubing

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INTRODUCTION

Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in certain genuine Yamaha accessory Fat Double "T" Handlebars designed for Star Motorcycles. Due to a manufacturing error, these Fat Double "T" Handlebars, part numbers STR-5PX75-12-00 and STR-4WM75-12-00, manufactured from August 1, 2008, through July 31, 2009, may have tubing thinner than designed where the bars narrow for the switch housings and grips. The affected handlebars could be weak enough in this area to break. If breakage occurs while the motorcycle is being ridden, the operator could lose control of the motorcycle which could result in a crash with injury or death.



To correct this defect, Yamaha is initiating a Factory Modification Campaign. Affected genuine Yamaha accessory handlebars must be replaced with new ones that have the correct tube thickness. This bulletin describes ways to tell if the handlebars are affected.

Fat Double "T" Handlebars with the part number STR-5PX75-12-00 are designed to fit 2002 to 2009 XV1700PC Warrior motorcycles. Fat Double "T" Handlebars with the part number STR-4WM75-12-00 are designed to fit 1999 to 2003 XV1600 and 2004 to 2010 XV1700 Road Star models.

Yamaha is notifying all registered owners of Warrior and Road Star motorcycles which might have these accessory handlebars installed. A copy of this letter is included in this bulletin. If the customer has the affected handlebars, or is not sure if they are affected or not, he or she should take the letter along with the motorcycle to an authorized Yamaha dealer for the inspection and modification.

If your dealership ordered Fat Double "T" Handlebars that are believed to be affected, enclosed with this bulletin will be a report with your invoice number and date.

You must replace all affected Fat Double "T" Handlebars in your inventory as well as those on any customer-owned motorcycles brought to you for this service. Be sure to review the *Affected Handlebars* information on pages 2-5 before beginning the modification; only a small number of the Fat Double "T" handlebars are affected.

Motorcycles that have the affected Fat Double “T” Handlebars should not be operated until they are modified. It is a violation of Yamaha policy for your dealership to deliver any affected handlebars, either over the counter or mounted on a motorcycle, to customers until the procedures in this bulletin are performed.

When handlebar replacement has been completed, follow the *Warranty Information* section of this bulletin to receive reimbursement.



DEALER ACTION SUMMARY

Parts Inventory: Inspect the handlebars using the criteria described in the *Affected Handlebars* on pages 2~5. If the handlebars are affected, submit a warranty claim for parts only as described in this bulletin. Do not use normal QA Claim procedures for this handlebar campaign.

Customer-Owned Units: Inspect the handlebars using the criteria described in the *Affected Handlebars* on pages 2~5. If the handlebars are affected, submit a warranty claim for parts and labor to replace them as described in this bulletin. You will need the Primary ID for the unit to submit the claim. Do not use a Recall Reimbursement Request for this modification.

Parts Required: Yes, if handlebars are affected. Order new ones as described in *Parts Information* in this bulletin. A small amount of Yamabond 7 (part number ACC-YAMAB-ON-D7), or equivalent, is also used.

Notify Customers: Yamaha has sent letters to all owners of Warrior and Road Star models whose motorcycles were registered with state departments of motor vehicles of 8/20/10, as well as any motorcycles registered for warranty after 8/20/10 up to 8/29/10. You should notify any customers who purchased potentially affected handlebars from you more recently.

Warranty: Factory Modification Campaign. See the *Warranty Information* section for specific procedures you must follow to receive reimbursement. Warranty procedures are different from those used in other recalls.

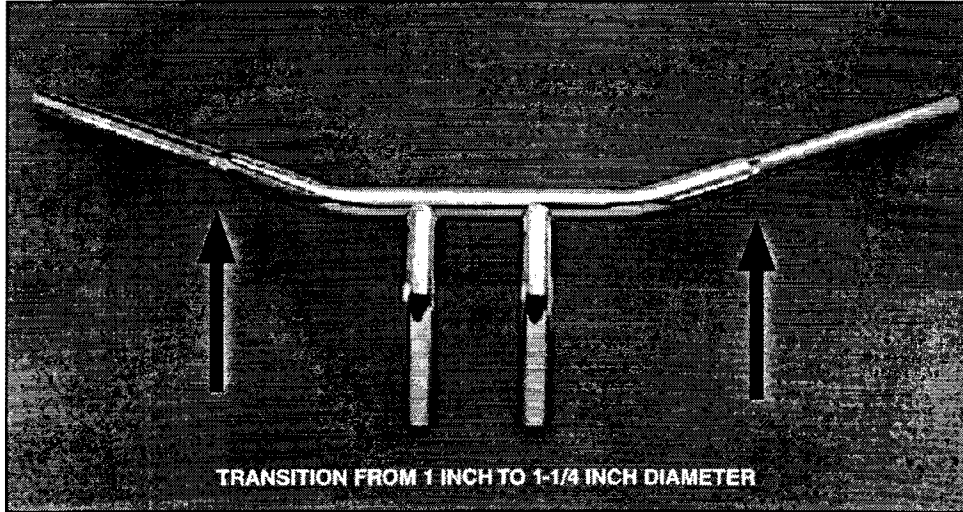


AFFECTED HANDLEBARS

| Part Number | Applicable Models |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STR-5PX75-12-00 | 2002~2009 XV1700PC “Warrior” Models with affected Fat Double “T” Handlebars |
| STR-4WM75-12-00 | 1999~2003 XV16A/AT “Road Star” and “Road Star Silverado” models with affected Fat Double “T” Handlebars. 2004~2010 XV17A/AT “Road Star” and “Road Star Silverado” models with affected Fat Double “T” Handlebars. |

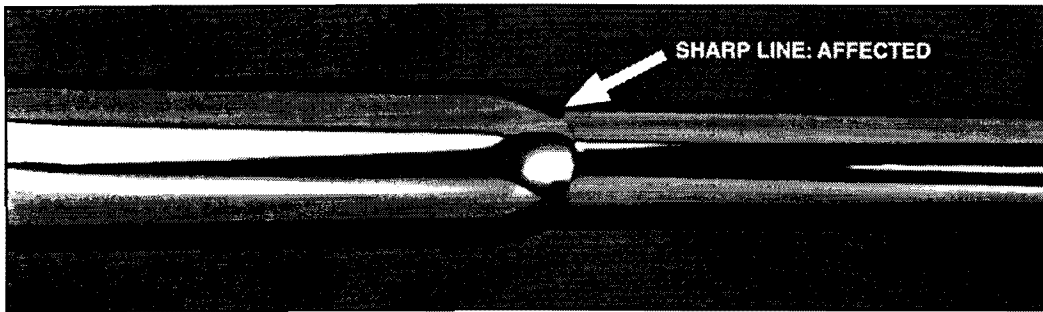
There are three ways to determine if handlebars are affected:

Transition Shape



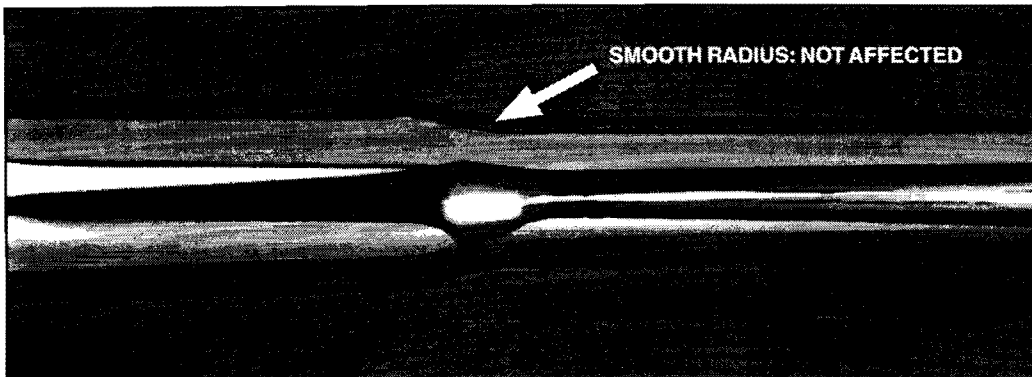
Affected

Fat Double "T" Handlebars manufactured between August 1, 2008, and July 31, 2009, can be identified by the sharp line at the transition from the 1-inch diameter hand grip area to the 1-1/4-inch main crossbar.



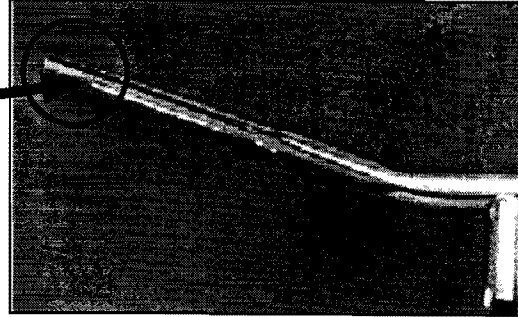
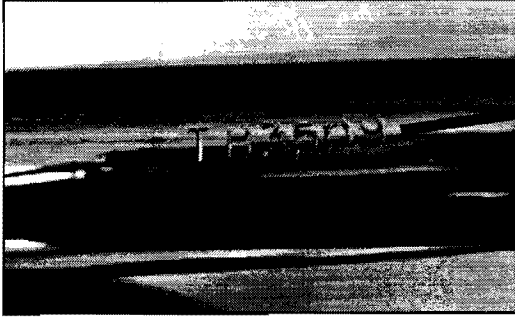
Non-Affected

Fat Double "T" Handlebars manufactured before August 1, 2008, and also those after July 31, 2009, can be identified by the smooth radius at the transition from the 1-inch diameter hand grip area to the 1-1/4-inch main crossbar.

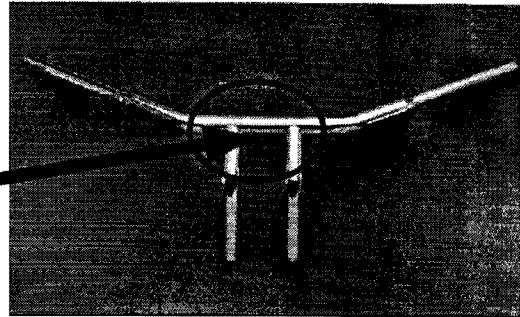
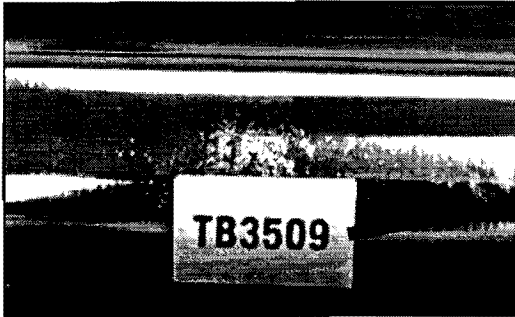


Stamping/Date Label

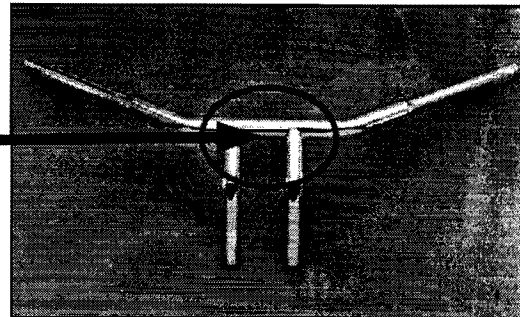
Non-affected Fat Double "T" Handlebars manufactured after July 31, 2009, can be identified by a manufacturing date stamping on the left side and a manufacturing date label or a manufacturing date stamping between the handlebar uprights on the underside of the crossbar.



EXAMPLE OF MANUFACTURING DATE STAMPING:
(TB3509)
TB = VENDOR CODE
35 = 35TH WEEK
09 = 2009

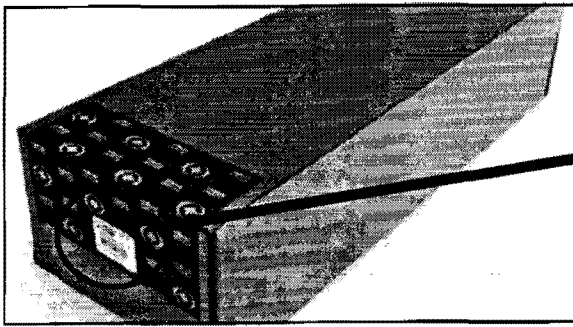


Or:



Packaging of Unsold Handlebars

Packaged, non-affected Fat Double "T" Handlebars manufactured after 07/31/2009 can be identified by the packing date on the carton box label.



EXAMPLE OF PACKING DATE ON THE CARTON BOX PART NUMBER LABEL:

(Y090923Z)

Y = RANDOM LETTER (NOT APPLICABLE TO DATE)

09 = TWO-DIGIT YEAR: 2009

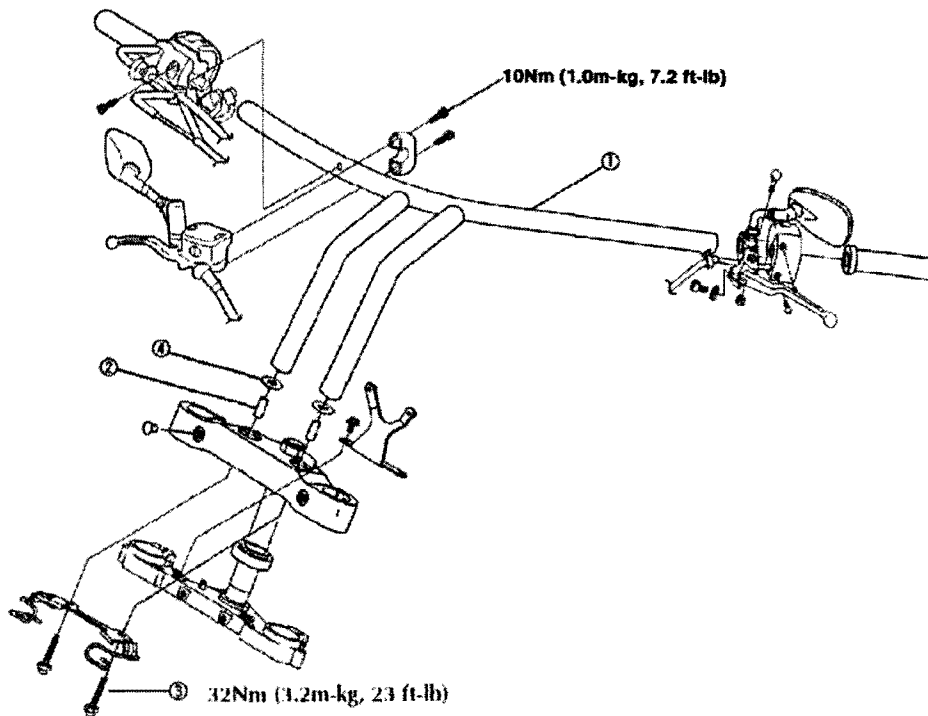
09 = TWO-DIGIT MONTH: SEPTEMBER

23 = TWO-DIGIT DAY: 23RD DAY OF THE MONTH

Z = (RANDOM LETTER (NOT APPLICABLE TO DATE))



SERVICE PROCEDURES



| Item | Part Name | Description | Qty |
|------|---------------------------|-------------------------|------|
| 1 | Fat Double "T" Handlebars | | 1 |
| 2 | Collar | | 2 |
| 3 | Bolt, Hex Head | M12 x 1.75p x 70mm long | 2 |
| 4 | Washer | Stock component | Ref. |

Removal

1. Place the motorcycle securely on the side stand.
2. Protect the fuel tank and front fender with a blanket or other covering.
3. Remove any wire ties on the handlebar.
4. Remove the screws holding the master cylinder housing, then support the master cylinder off to the side of the motorcycle.
5. Remove the left side switch housing and support it off to the side of the motorcycle.

⚠WARNING

Make sure the hydraulic line is not kinked or bent.

6. Apply a small amount of solvent to the juncture of the left-hand grip and handlebar. Twist and remove the grip.

NOTICE:

Do not spill any solvent on the painted surfaces of the motorcycle. Paint can be permanently damaged by solvent.

7. Remove the clutch lever bracket and support it off to the side of the motorcycle.
8. Loosen the right-hand switch (do not remove the screws). Do not disconnect the throttle cable.
9. STR-5PX75-12-00 only: Remove headlight and four headlight housing retaining bolts to access two 19mm nuts.
10. While supporting the handlebars to prevent them from falling against the fuel tank, remove the two 19mm nuts on the underside of the upper triple clamp.
11. Lift the handlebars off the motorcycle, and slide the throttle switch off the end of the handlebar. Support the throttle switch assembly off to the side of the motorcycle.
12. Tag the affected handlebar with a Warranty Parts tag. The handlebar will be recalled by Yamaha.

Installation

13. Clean the right handlebar end and apply a light coat of grease.
14. Slide the throttle assembly onto the right end of the new Fat Double-T Handlebars (1).
15. Position the switch housing so its lug fits into the hole in the handlebar. Be sure the switch wires are properly routed into the wire relief on the housing, then tighten the screws.
16. Insert the Bolts (3) up through the cable guide from underneath the triple clamp. Slide a Collar (2) down over each bolt from above so that it fits inside the rubber damper assembly in the triple clamp. Position a Washer (4) over each bolt so that it fits in the indentation in the triple clamp.
17. Hold the Handlebar (1) in place as you screw the Bolts (3) into the mounting holes in the handlebar "risers." Be sure the cable guide fits correctly into the indentations under the triple clamp, and then tighten the bolts to specification.
18. Reinstall the brake master cylinder on the right handlebar. Tighten the top clamp bolt first and then the bottom bolt. Torque the bolts to specification.
19. Reinstall the clutch lever assembly and then the left handlebar switch.
20. Using Yamabond 7 (part number ACC-YAMABOND-D7) or other appropriate rubber adhesive, reinstall the left handlebar grip. Follow the adhesive manufacturer's instructions, being sure to rotate the grip 360° as you are installing it to ensure even distribution of the adhesive.
21. Install wire ties to secure the wiring harnesses to the handlebars. Check lock-to-lock steering with the handlebars to make sure no wires, cables, or hoses are pulling or binding. Adjust if necessary.

⚠WARNING

After adjusting the throttle cable free play, turn the handlebar to the right and to the left to ensure that this does not cause the engine idling speed to change.



IDENTIFICATION PROCEDURE

Refer to the *Affected Handlebars* section of this bulletin on pages 2~5 to identify an affected handlebar.



PARTS INFORMATION

| Old Part Number | New Part Number | Description | Model |
|-----------------|-----------------|---------------------------|-----------------------|
| STR-5PX75-12-00 | STR-5PX75-12-01 | Fat Double "T" Handlebars | For XV1700PC |
| STR-4WM75-12-00 | STR-4WM75-12-01 | Fat Double "T" Handlebars | For XV16A/AT~XV17A/AT |

You will also need a small amount of Yamabond 7 (part number ACC-YAMAB-ON-D7), or an equivalent.



WARRANTY INFORMATION

Yamaha has sent letters to all owners of Warrior and Road Star models whose motorcycles were registered with state departments of motor vehicles of 8/20/10, as well as any motorcycles registered for warranty after 8/20/10 up to 8/29/10. You do not need the customer's letter to perform the modification or to file for reimbursement.

The modification is authorized for all affected Fat Double "T" Handlebars, both sold and unsold, regardless of motorcycle ownership or warranty status. **The claim filing procedure is different from a Recall Reimbursement Request or a QA Claim.** Use the following entries on a standard Warranty Claim for prompt reimbursement:

Handlebars in Dealer Inventory (unsold)

Primary ID: RE111-0001000
 Problem Code: 0HB
 Primary Failed Part: Enter either STR-5PX75-12-00 or STR-4WM75-12-00
 Problem Description: Enter the word "Inventory"
 Defect Description: Enter "Per Bulletin M2010-013R"
 Repair Description: Enter "Per Bulletin M2010-013R"
 Labor: None

Tag and hold handlebars. Your claim will be automatically be put in "On Hold" status. The following day, you can go on YDS to *Service> Warranty Claims> View/Edit* to download a PDF of the "Parts Recall" form. Send the handlebars back using the mail label. The handlebars will be inspected before the claim is paid.

Handlebars on Customer-Owned Unit

Primary ID: RE111-0001000
 Problem Code: 0HB
 Primary Failed Part: Enter either STR-5PX75-12-00 or STR-4WM75-12-00
 Labor: Enter 0.4 hour under Extra Labor
 Extra Labor Reason: Enter "Per Bulletin M2010-013R"
 Problem Description: Enter the actual Primary ID of the customer-owned unit
 Defect Description: Enter "Per Bulletin M2010-013R"
 Repair Description: Enter "Per Bulletin M2010-013R"

NOTE: The labor allowance covers the small amount of Yamabond 7 used.

Tag and hold handlebars. Your claim will be automatically be put in "On Hold" status. The following day, you can go on YDS to *Service> Warranty Claims> View/Edit* to download a PDF of the "Parts Recall" form. Send the handlebars back using the mail label. The handlebars will be inspected before the claim is paid.