

Technical BULLETIN

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2003 RX10MH/MSH (RX-1 Mountain) Loose Rear Suspension Mounting Bracket Rivets

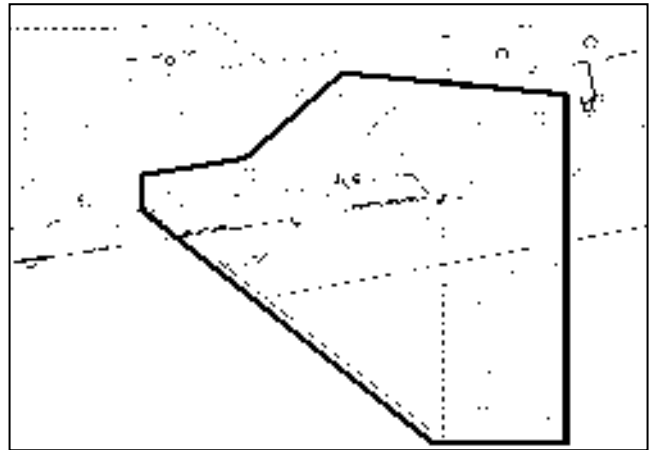


INTRODUCTION

Symptom: Rivets holding the rear suspension mounting brackets may loosen or break.

Cause: Excessive bottoming of the rear suspension.

Remedy: Install the Rear Suspension Rivet Kit on all units as described in this bulletin to increase mounting bracket rigidity. Be sure the suspension is properly adjusted for the rider's weight, riding style, and riding conditions.



DEALER ACTION SUMMARY

Unsold

Units: Install the Rear Suspension Rivet Kit on all units during Set-Up and Predelivery Inspection (PDI). Be sure to follow the suspension setting instructions in Technical Bulletin S2002-006 when delivering the snowmobile to the customer.

Sold Units: Please contact your customers to arrange a convenient time to have the Rear Suspension Rivet Kit installed at no charge. Inspect the rivets holding the rear suspension mounting brackets and replace any loose or broken rivets with new ones supplied in this kit.

As with new units, be sure the suspension is set correctly for the customer as described in Technical Bulletin S2002-006.

Parts

Required: Yes, order one kit per unit through Yamaha Parts and Accessories.

Warranty: Submit a Service-Per-Bulletin (90 Code) Warranty Request for the modification performed. There are two different types of claims (90 codes): one for bolt installation only or one for bolt installation and loose rivet replacement.



AFFECTED RANGE

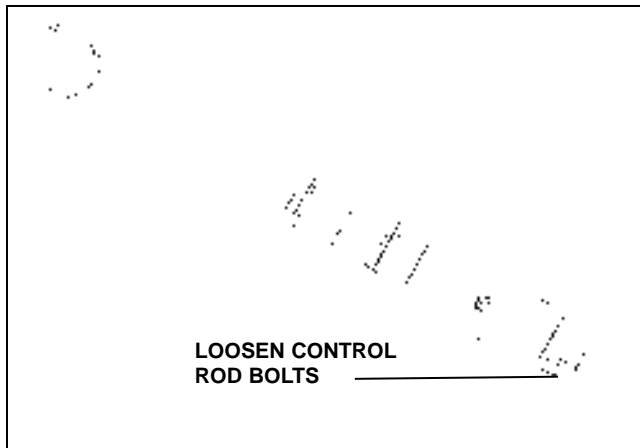
All 2003 RX10MH and RX10MSH models.



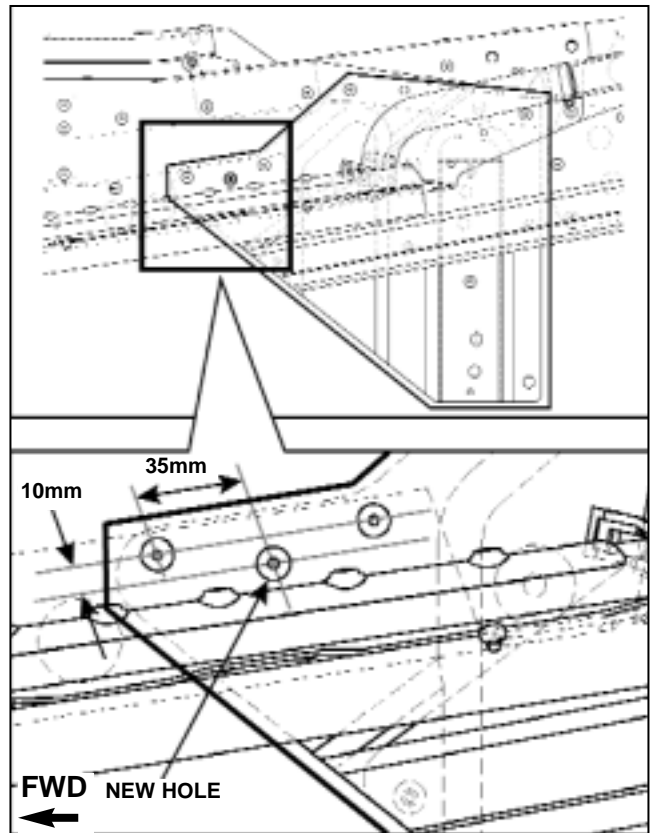
SERVICE PROCEDURES

Perform the following procedure:

1. Remove the 4 bolts securing the rear bumper cover. Remove the bumper cover.
2. To prevent damage to the running-board traction strip area of the tunnel, perform steps 3 and 4 from the inside of the tunnel. To improve access to this area:
 - Loosen the rear axle.
 - Loosen the track.
 - Loosen the control rod bolts.
 - Elevate the rear of the snowmobile and remove the rear suspension mounting bolts and drop the rear suspension.



3. On the inside of the tunnel, use a piece of masking tape and draw a line 10mm below the two front rivet centers. Then, measure back 35mm from the front rivet center and mark the center for the drill hole location for the new front mounting bolt (refer to the following illustration for the proper location). Repeat this step on the other side.



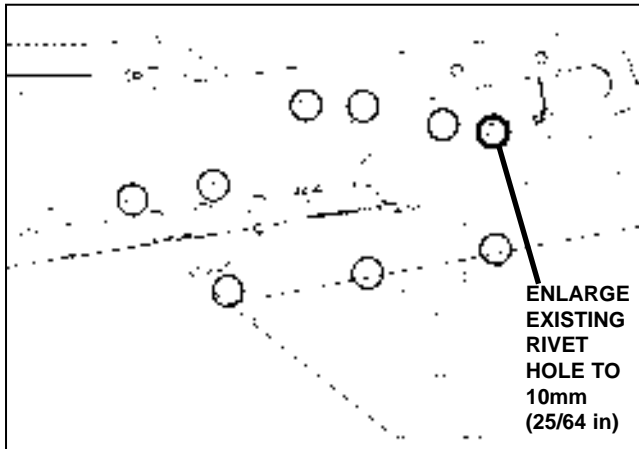
4. Drill a small pilot hole on both sides. Then, use a 10mm (25/64 in.) drill bit to complete the drilling of the new holes.

- Drill out the rear existing rivet as indicated in the below illustration on both sides. Use a 10mm (25/64") drill bit to enlarge the holes.

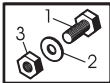
CAUTION:

When drilling around the coolant hose and the running-board traction strips, be careful to prevent damage with the drill and/or chuck.

NOTE: To ease drilling out the rivets, use a small pin punch to remove the mandrel from the center of the rivet before drilling.



- Install a bolt and washer in the front holes on both sides. Install a nut on the inside of the tunnel and tighten to 4.5 m-kg (32.5 ft-lb).
- Install a bolt in the rear hole on both sides. Install a nut on the inside of the tunnel and tighten to 4.5 m-kg (32.5 ft-lb).
- If the unit has been ridden: Inspect the 16 rivets that are used to secure the rear suspension mounting brackets. Replace any loose or missing rivets with rivets supplied in the kit.
- Re-install the rear suspension bolts with blue 242 Loctite® and torque to 7.2 m-kg (52 ft-lb). Retighten the control rod bolts with blue 242 Loctite® and torque to 3.2 m-kg (23 ft-lb). Re-adjust the track tension to 25~30mm at 10kg (0.98~1.18 in. at 22 lb).
- Re-install the rear bumper cover and mounting bolts.
- Be sure the suspension is adjusted properly for the rider and riding conditions.



PARTS INFORMATION

One new kit will be needed for each affected unit.

Part Number	Description	Qty.	Dealer Cost
90891-50138-00	Rear Suspension Rivet Kit	1	\$8.40
	• Bolts	4	
	• Nuts	4	
	• Washers	2	
	• Rivets	16	



WARRANTY INFORMATION

Service of all units is authorized regardless of warranty status. To receive credit for parts and labor after completion, submit a Service Per Bulletin Warranty Claim using the applicable problem code listed below.

Bolt Installation Only

Submit a claim using Problem Code **90SA1**. The labor allowance for this modification is **0.5 hr**.

Bolt Installation and Rivet Replacement

Submit a claim using Problem Code **90SA2**. The labor allowance for this modification is **1.0 hr**.