

A-Arm Installation Instructions

Ski Doo 2008-14 XP, XR, XS Chassis:

MXZ: RS, X-RS, X, TNT, Adrenaline, Sport

Renegade: X, Adrenaline, Sport

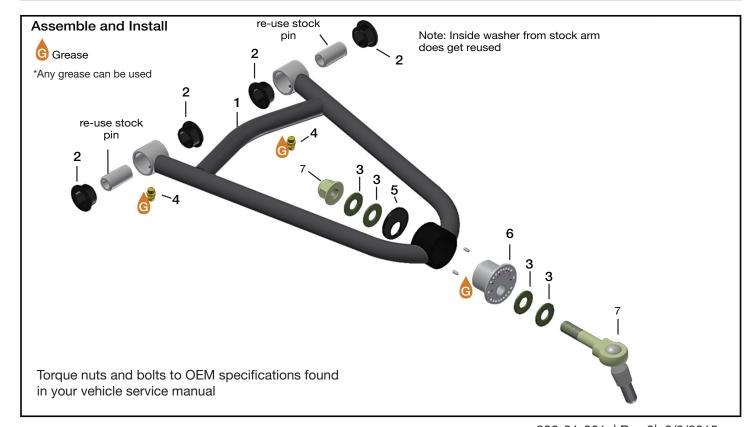
GSX: LE, SE, Sport







| Item | Description | Qty |
|------|----------------------|-----|
| 1 | A-Arm | 2 |
| 2 | Mount Bushings | 8 |
| 3 | Camber Spacers | 8 |
| 4 | Grease Fitting | 4 |
| 5 | Caster Support Plate | 2 |
| 6 | Adapter Sleeve | 2 |
| 7 | Ball Joint w/ nut | 2 |
| | | |



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If in doubt, just ask!

Installation Instructions and Tips

Mounting Points

Refer to the attached assembly diagram.







Note: Inside washers from stock a-arms are reused Ball Joint Removal Tool (part #64-99-030) may be needed

Recommended Starting Position

This set-up is the equivalent of Ski Doo's RAS 2 suspension See bottom of page for settings equal to stock location

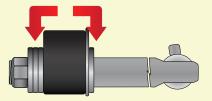
Caster: Position #4





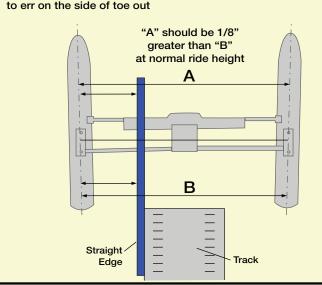
Note: Rotate to position 4, moving the upper ball joint toward the rear of the sled

Camber: 3 washers on the inside 1 washer on the ball joint side



Check Toe

Toe should be checked after adjusting camber. Take measurements as shown in the diagram below. It is better



Ball Joint Installation

The ball joints should be centered in their travel. Make sure ball joints are level when tightening the ball joint assembly after making a caster or camber adjustment.





Note: Ball Joint will remain loose in tapered socket until tightened

| | Set-Up: | Equal to Stock* | Equal to RAS 2 |
|--|-------------|------------------------------------------|------------------------------------------|
| | Caster: | Position #0 | Position #4 |
| | Camber: | 2 washers inside 2 on ball joint side | 3 washers inside 1 on ball joint side |
| | Ball Joint: | Std Height | Extended Height |

*NOTE: With Standard Height Ball Joint the Slicast system is used on many different vehicles. The use of Position "5" at full offset camber positions may cause the top of the spindle to contact the Slicast cam when the suspension is fully compressed. If in doubt, set caster and camber to the desired position, remove the spring from the shock, and fully cycle the suspension to confirm there is no contact between components. This note does not apply to extended height ball joint.



HOW SLICAST WORKS

Adjusting Caster and Camber using the Slicast System

Adjust Caster

The simple caster adjustment system is easy to use and has 11 marked settings. Setting 0 is the same as stock. Turn the cam and rotate to adjust caster position

Rotate Cam to change caster



Start at 0 - equal to stock setting Set at 4 - equal to RAS 2 suspension

How caster adjustments affect steering

Problem:

Darting, Poor tracking, **Twitchy Front End**

The Fix:

Move Ball Joint Back for positive caster

This will help stabilize steering at speed by moving the ski forward

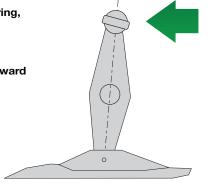
Problem:

Unresponsive Steering, **Heavy Feel**

The Fix:

Move Ball Joint Forward for negative caster

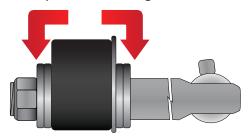
this will move the ski back making the feel lighter and quicker



Adjust Camber

Camber is adjustable by changing the orientation of spacers on the balljoint stud. Stock camber can be achieved by orienting an equal number of spacers on either side of the cam adjuster. Spacers can be moved one at a time to change camber. Move inside for negative camber or outside for positive camber.

Move spacers to change camber



2 spacers on each side - equal to stock setting 3 inside, 1 outside - equal to RAS 2 suspension

How camber adjustments affect steering

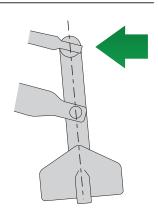
Problem:

Difficulty Turning, **Tendency to Understeer**

The Fix:

Move Ball Joint In for negative camber

This will increase the side bite of the skis which will improve cornering and reduce understeer



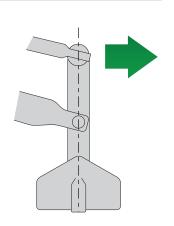
Problem:

Overly Aggressive Steering

The Fix:

Move Ball Joint Out for positive camber

This will decrease the side bite of the skis, which will improve tracking and reduce darting



when making large adjustment to camber settings it may be necessary to check and re-adjust toe.

