



CAUTION: Read and follow all rules of safety and operating instructions before attempting to assemble and install the product.

Curve Skis Quick Setup Guide

Hardware & Ski Installation

Ski Platforms

XS Platform

The Curve XS is a symmetric ski and is best suited to riders who spend most of their time on the trail, lake or race course. It can be identified by its parabolic shape that extends evenly down both sides of the ski. The XS ski may be mounted on either side of the snowmobile.

The XS is also an ideal snowbike ski offering excellent stability at high speeds with unmatched durability and cornering performance.

XSM Platform

The Curve XSM is an asymmetric ski and the most versatile in the Curve lineup. It can be identified by a straight outer edge on one side which creates the counter-steer profile. Mounting the ski with the profile to either the inside or outside changes the handling characteristics. Use the information below to determine which way to install your skis.

Trail Configuration

Mount the skis with the counter-steer profile on the inside for high cornering performance and excellent handling characteristics in all conditions.

Crossover / Mountain Configuration

Mount the skis with the counter-steer profile on the outside for offtrail maneuvers and sidehilling.

XDI/XDR Platform

The Curve XDI/XDR is a symmetrical ski designed specifically for drag racing. The lightweight ski design features a side profile cuts and a milled keel for less restriction.

Carbide Selection

EC8904

4" round bar for short track non-studded

EC8906

6" round bar for mid length track non-studded

S2198-60

6" Shaper bar for all studded

R2198-90

9" round bar for snowbikes

4-stroke

XS4001

2" Leading Edge - Eliminate 80% of darting

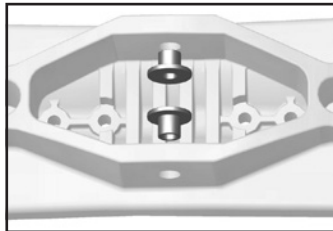
XS4002

4" Leading Edge - Eliminate 95% of darting

Ski Alignment

STEP 1 — Prepare Skis

- 1) Press spindle bushings into ski from **INSIDE** the saddle. (Use a soft jaw clamp or C-clamp to complete the work.)
- 2) Install loop by snapping the front of the loop into the patented locked mechanism on the ski. Run a drill with 1/2" bit through the loop/ski assembly at the **TIP OF THE SKI** only. This will ensure easy assembly of loop hardware.
- 3) Install loop hardware:
Use antisieze on the threads of the cross bolt closest to the spindle.
Use thread locking compound on the threads of the cross bolt at the ski tip.
- 4) Install carbides. Do not over tighten — It is best to use a hand ratchet and deep well socket for installation.
- 5) Orient the provided replacement spindle rubbers with the higher side to the back.
- 6) Prepare the provided spindle bolt, washers and nyloc nut for each ski.



STEP 2 — Mount Skis

- 1) Loosen and remove the spindle bolt from the OEM skis. Use a jack to lift the front of the snowmobile off the ground and remove the OEM ski.
- 2) Inspect your snowmobile's spindle and bushings for wear — replace as necessary and lubricate as desired.
- 3) Install the Curve ski by sliding it into position under the spindle and lowering the jack so that the spindle rests into the ski saddle.
- 4) Align the outside hole of the ski to the spindle and lightly tap the bolt and washer in using a hammer. It may be necessary to use a block of wood under the inside of the ski to assist in aligning the inside hole. Tap the bolt through and install the remaining washer and nyloc nut.

STEP 3 - Align Skis

Alignment Procedure

- 1) *Make sure your track is aligned.*
Place a 6' contractor level or equivalent straight edge along one side of the track.
- 2) Position the handlebars straight ahead. If they are not straight after this step, they will not be straight when you ride!
- 3) Look at the Curve ski from the top - there are two prongs that taper into the front of the ski where the loop bolts to and two more prongs that taper into the back of the ski at the tail. Use the **INSIDE** prongs front and rear, where they taper into the ski deck as your measuring points.
- 4) Measure from your straight edge to the front mounting structure as described in step 3 and record the distance.
- 5) Measure from your straight edge to the rear mounting structure as described in step 3 and record the distance
- 6) Adjust your tie rod and steering joints until the measurements from step 4 and 5 are equal.
- 7) Repeat steps 3 through 6 for the opposite ski.
(Now both skis are parallel to the track. Step 8 on will highlight setting the **TOE OUT**.)
- 8) Adjust the tie rod on one ski so that the measurement as taken in step 4 is greater than the measurement taken in step 5 by 1/8"
- 9) Repeat step 8 for the other ski
Now both skis are toed **OUT**. Follow the remaining steps to verify your work
- 10) Measure from the point specified in step 4 on one ski to the point specified in step 4 on the other ski and record the value.
- 11) Measure from the point specified in step 5 on one ski to the point specified in step 5 on the other ski and record the value.
- 12) The measurement taken in step 10 should be greater than the measurement taken in step 11 by 1/4". If this is not the case, revisit steps 8 and 9 using the straight edge to determine which ski is incorrectly set.