



YXZ1000 “YX3” Hybrid Rear Chassis Kit

Part Number: AVID-YX3-KIT01

The AVID “YX3” Hybrid Rear Chassis Kit lets you graft proven Can-Am X3 trailing-arm geometry onto your Yamaha YXZ1000, fixing factory toe-change, scrub-radius, and durability concerns in a single move. Laser-cut 4130 plate, precision-bent 4130 tube work, and a relocated rear-pivot drop your CG, broaden stance, and create a rock-solid foundation for high-horsepower desert or short-course builds.

Core Components Supplied

- Front pivot tubes with integrated chromoly plate work
- Rear differential assembly tube work
- Chromoly rear bulkhead assembly for radius rods
- CNC-machined rear aluminum skid plate
- New rear differential mounts (13-5/8” rearward)
- Heavy-duty rear bumper

Ordering Options & Rear-Bulkhead Finish

- •**Base Fabricator Kit** – All 4130 tube and chromoly plate supplied pre-cut and tabbed. Professional welding and final fit-up required.
- •**Turn-Key Install** – Ship us your bare chassis; we install, fixture-check, and prep it for reassembly.

Compatible Front Suspension Packages

The YX3 rear kit now pairs with **either** of our front platforms:

- •**72” MTR Front Kit** – Perfect for tight-trail setups.
- •**77” LTR Front Kit** – Long-travel race option when maximum track width is desired.

Using our Elite 72” Can-Am X3 trailing arm package (PN AVID-X372-R-KIT1) with the 72” MTR front kit yields a balanced 72” stance. Swap in the 77” LTR front kit and wheel-spacing components to achieve a full 77” width.

Additional Components Required

- Custom radius rods (geometry corrected for new rear-pivot location)
 - Complete 7075 Billet or Chromoly rods available.
- Custom-length axles – YXZ inner CV / X3 outer CV
 - Current option we offer are 300M race axles from Demon

- Other manufacturers can make customs if desired.
- Can-Am X3 outer hubs & knuckles (double-shear knuckle highly recommended)
 - AVID has released a complete Knuckle and Carrier assembly (AVID-X3-TARRC)
- Brake-line solution:
 - Use the factory brake line and route braded lines on the radius rods
 - Requires higher modifications; cut factory hard line back at the front of the trailing arms and rout on trailing arms how factory Can-Am are.
- Rear shocks:
 - Kit was built around factory 72" X3
 - Fox race IBP 14" shock. (16" can be used)
 - ADS multi-bypass upgrade available
- Extended driveshaft:
 - Approximately +13-5/8" longer than Factory length. As different differentials are not the same, it is best to measure and confirm once the Diff is fixed in place. Many companies can make you a custom drive shaft but taking the existing drive shaft to a local drive shaft shop and providing them the measurements is typically the easiest and most cost effective.

Need a Hand?

Questions about installation, or full turn-key builds? Our tech team is here to help.

AVID Racing – Sales & Support

Phone: 559-512-2550

Email: Sales@AVIDrace.com

Web: www.AVIDrace.com