



2006-07 YAMAHA ATTAK & RAGE, 2008-10 APEX 136" M-10 / M-20 INSTALL INSTRUCTIONS

These instructions are for the Yamaha APEX, ATTAK & RAGE sleds. Please call our Tech Department with any questions you may have. [218] 744-2107.

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1. Turn fuel valve off. Safely and securely support the rear of the sled. Remove stock suspension.

NOTE: If you are running larger or extrovert drive wheels stop here and contact Teamfast at 218-744-2107 for additional instructions. Proceed with instructions below using standard drivers.

2. At front of sled, on left hand side, locate the 10mm hole (M-10) in the support plate on outside of tunnel (See Photo # 1). Drill this hole to 29/64" or 11.5mm. This will be the M-10 / M-20 (small pilot hole) front arm location. This hole can be accessed through the vent at bottom of belly pan. See Photo #2.

3. In the hole drilled in Step #1, push a 7/16" bolt through from outside of tunnel. On the inside of tunnel, place one of the M-10 / M-20 front support plates over the hole drilled in tunnel. Top of front M-10 plate is parallel to top of tunnel. Mark the four 3/16" holes in the four corners of the plate and drill through tunnel. Rivet into place. Drill front mount hole through small support plate. See Photo #3.

4. Perform the same steps/procedures for Right Hand side [RH] side of tunnel.

5. At the rear of sled, LH and the RH side of tunnel, locate and remove the **front** 10mm bolt in the rear factory outside support plate. Drill this hole out to 7/16" and remove the weld-nut on the inside of the tunnel. See photo #4.

6. Install shaft and spacers on front M-10 / M-20 arm. Install shaft, wheels, and spacers on rear M-10 arm. (Be sure to check note on wheel). This is a good time to grease the [4] fittings with low temp grease.

7. The LH and RH rear M-10 / M-20 plates will be attached to the rear arm with the 7/16" bolts provided. The machined surface faces inside on the Rear M-10 / M-20 plates. The rear arm will use the front lower hole drilled in the plates. With the bolts partially installed, but not tight, turn the suspension upside down. With the suspension upside down, lay the flat edge of both LH and RH stock plates against garage floor to keep them parallel. Hold down on plates to keep them parallel to floor and each other, torque each bolt to 70 ft lbs. [Be sure to use lock washers **only** on these bolts].

8. Place M-10 / M-20 inside of track.

9. Install front M-10 / M-20 arm into the holes drilled in step #2. Using the 7/16" Allen bolts, lock washers, and flat washers provided. Torque to 70 ft. lbs. On some model years the turned out upper edges of the stock front brackets need to ground flat for proper fitment of front M-10 shaft. **(BE SURE FUEL VALVE IS OFF).**

10. From inside of tunnel at the rear mount, grind the forward / front weld-nut off of factory support plate. **Make sure fuel is shut-off.** See Photo #5. Repeat on opposite side.

11. Lift up the rear of the M-10 / M-20 and align the holes in the M-10 / M-20 plates with the stock locating holes in the rear factory support plate. Install the longer (1.250") 7/16" bolt into the upper hole in rear M-10 / M-20 support bracket. Install the shorter (.750") 7/16" bolt in the lower rear hole in M-10 / M-20 rear support bracket [stock rear mount hole]. Torque all bolts to 70 ft. lbs. of torque. See Photo #6.

12. Using nuts and bolts provided attach shocks to M-10 arms and torque to 40 ft lbs. Attach lower end of limiter strap in hole specified on M-10 set-up card.

13. M-10 set-up. Refer to the owner's manual and ride set-up card to properly adjust the suspension for rider weight and riding conditions.

14. Adjust the track tension do there is 1/2" to 3/4" of free track hang. Do not pull down on the track or use any weights.

15. Adjust the limiter strap for adequate ski pressure for safe cornering out on the trails.

COMPONENT LIST: Cross Shaft Front Torque Arm	[1]
Cross Shaft Rear Torque Arm	[1]
Spacer Front Shaft	[2]
Spacer Rear Shaft	[2]
M-10 Front Support Plate	[2]
M-10 Rear Support Plate	[2]
7/16" Lock Washer	[8]
7/16-14x 2" Screw	[4]
7/16"-14X3/4" Bolt	[2]
7/16"14X1.25" Bolt	[2]
M-10 Owners' Manual	[1]
RIVETS	

PHOTO #1



PHOTO #2



PHOTO #3



PHOTO#4



PHOTO #5



PHOTO #6 [PLATE SHOWN W/OUT REAR ARM ATTACHED, RH SIDE]



Note: The new rear mount brackets are now machined from aluminum with the forward spacer built in to the brackets.