M-20 AIRWAVE SUSPENSION INSTRUCTIONS
ARCTIC CAT CROSSFIRE - W/0 REVERSE

TECHLINE (218)744-2107 **06202012**

NOTE: Photos are for reference and may not show exact make and model. Diagrams are specific to make and model. Diagram measurements are specific to make and model and should be followed as described.

1. Remove stock suspension from sled.

2. On RH side of sled locate the stock front arm hole. On the inside of the tunnel grind the four rivets flat but do not remove the small stock inside plate. Align the hole in the RH torque arm bracket stamped M-10 with the stock front arm hole. Temporarily slip bolt through stock hole. Measure down **6.75"** from the top of the tunnel (lower edge of cooling extrusions) to the center of the front (countersunk 7/16" hole) in the torque arm bracket. Temporarily bolt into place. Center punch the rear hole in the torque arm bracket (stamped M-10). Remove torque arm bracket. Drill this punch mark to 3/8". Grind flat from the inside of tunnel any rivets that fall in the path of the torque arm brackets. Shin stock is provided for front torque arms. See Diagram.

3. Locating the right hand rear mount plates (RH plate has the D-cut). Align the torque arm bracket with the holes in step #2 and temporarily bolt into place. Place the black RH rear mount plate on the inside of tunnel as shown in Diagram #1. With torque arm bracket in place measure back **25.555"** from center of the front (countersunk) hole in the torque arm bracket to the center of the **7/16"**hole in the rear mount plate. This is done with the steel template provided. Align the **7/16"** hole in steel template with the front **7/16"** hole in the torque arm bracket. Align the rear **7/16"** hole in steel template with the **7/16"** hole in the rear mount plate. Measure down from the top of the tunnel (lower edge of the cooling extrusion) **7.75"** to the center of the rear mount hole in the rear mount plate. Make sure the top of the rear mount plate is perfectly parallel with the top of the tunnel. Temporarily secure the plate (duct tape) in place at these measurements. Center punch the top right 17/64" hole and the third from the right 17/64" hole in the black plate to the tunnel. Drill and temporarily mount plates through these holes in the tunnel. Using the mount plates as a drill guide drill at least two more 17/64" holes and the two 3/8" bolt hole as per instructions in Diagram #1.

4. Repeat Steps #2 and #3 on the LH side of the sled.

5. The rear black mount plates will mount to the rear arm first then be lifted up and bolted to the tunnel. Bolt the mount plates to the rear arm with the 7/16" bolt and lock washer provided. **While you torque the bolts to 70 ft-lbs you must keep the top of the plates parallel with each other from side to side. Make sure they are parallel with each other or you will have difficulty aligning them when bolting into the tunnel.**

6. Torque arm brackets will be bolted to front arm before placing suspension into tunnel. Lay front arm forward on garage floor with front shaft and torque arm brackets loosely bolted in place. Hold arm down while keeping torque arm brackets flat to keep them parallel. Torque bolts to **70 ft lbs**.

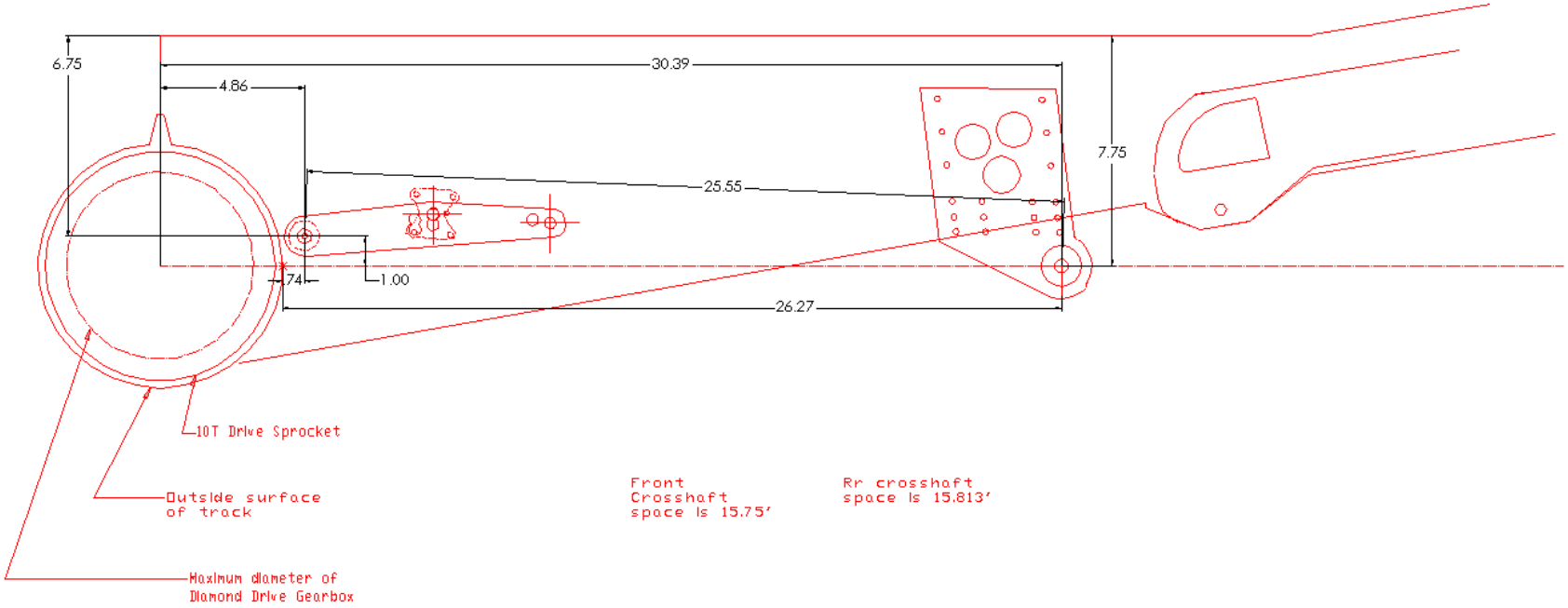
7. Place suspension in track. Lift front arm into place and bolt torque arm brackets to tunnel. Torque these bolts to **35 ft lbs (3/8")**. Place rear shaft, spacers and carrier wheels onto rear arm. Raise rear arm and bolt into place. Torque rear arm mount bolts to **70ft lbs**. Attach front shock to upper mount. Attach rear shock to upper mount. Torque shock bolts to **35 ft lbs**. Attach limiter strap to lower hold down tab. See attached limiter strap instructions.

8. Track adjustment should have **½"** to **¾"** of free track hang between hyphax and track. No weights pulling the track down.

9. Precede to the M-20 airwave set-up pages.

Arctic Crossfire M-10 / 20 Mount Kit

using standard front Torque Arm Bracket
U-kit III drop down Rear Arm Bracket 6-10-12



PHOTO#1

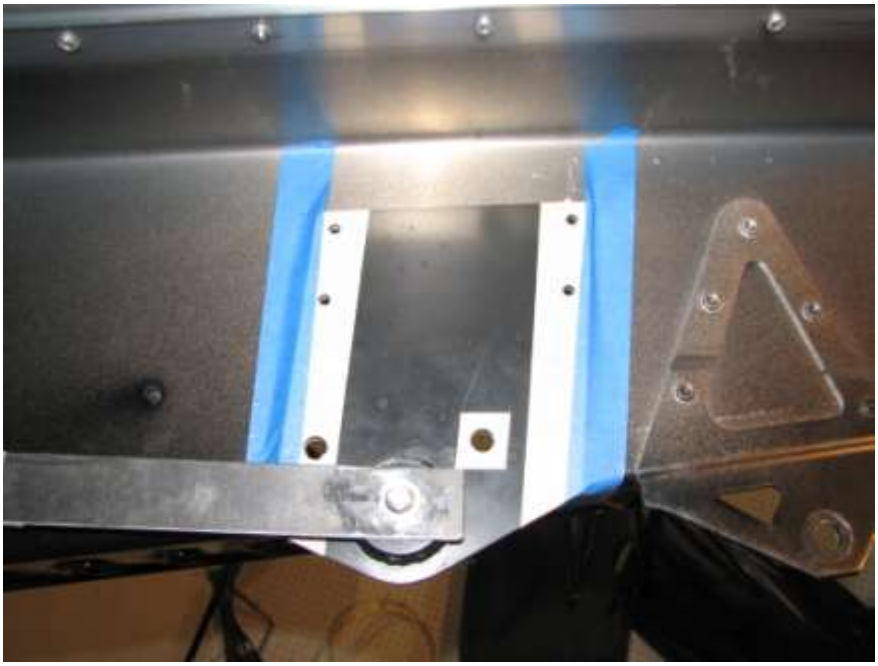
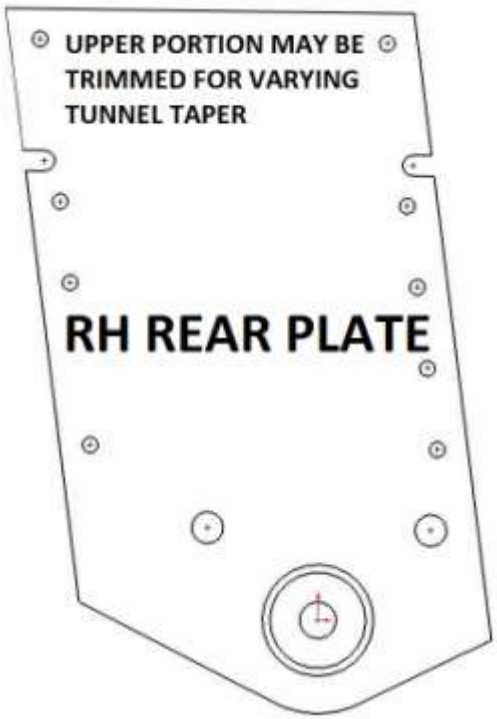


PHOTO #2

DIAGRAM #2



IMPORTANT: As with tires on an automobile the owner of any air suspension equipped vehicle must validate that the suspension's air pressure is sufficient for safe operation before allowing use of the air suspension equipped vehicle. All rubber and plastic products including O-rings, hoses, rubber bladders and tires have some level of porosity which air can and will pass through over time. In the purchase and or acceptance of this product the owners and users agree to and accept certain responsibilities. These include making certain that a static bounce test and a slow safety check ride is regularly performed before using the vehicle to establish that the sled and air suspension are functioning properly.