



*"Setting the World's
Performance Standards!"*

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SLP MTX™ Clutch Weights

**For 2004 and newer Arctic Cat models with 6 Tower Clutches
and 2007 models with 4 Weight Clutch**

Installation:

1. Remove OEM weights and remove setscrews. (Note; heating weights up to soften thread locker will aid in removal of setscrews).
2. Using Loctite 262 red on setscrew threads install OEM setscrews into MTX™ weights (engage one to two threads at this time) and install in clutch. Before securing setscrews, insure that indentation in weight pin is in alignment with setscrews.

Important Note: Use safety glasses when installing and removing tuning rivets.

MTX™ weights allow you to run 4 grams heavier per weight than you would normally run with OEM weights (ie: if you have been running a 64g Arctic Cat weight, you should use a 68 gram MTX™ weight).

MTX™ weights are adjustable by adding weight via rivets (up to 6 grams per weight) to achieve desired peak rpm. There are three different sets of tuning rivets, 1 gram MTX aluminum rivet, 2 gram MTX hollow steel rivet, and 3 gram MTX solid steel rivet. The outer hole in the MTX™ weight will have the most effect on peak rpm. Weight should be added to the outer hole if peak rpm is 100 rpm or more above target rpm. The inner hole in the weight will have somewhat less effect on peak rpm and should be used for fine tuning peak rpm.

Rivet Installation

Option 1: Swage rivets into place using the SLP MTX Rivet Set/Removal Tool #20-155. Make sure rivet is swaged far enough to clear spider when installed in the clutch.

Option 2: Swage rivets into place using a hammer and anvil keeping weight parallel with anvil surface. Make sure rivet is swaged far enough to clear spider when installed in the clutch.

Rivet Removal

Option 1: Remove rivets by pressing through the rivet head and pushing the body of the rivet from the weight using the SLP MTX Rivet Set/Removal Tool #20-155.

Option 2: Remove rivets by center punching the rivet and drilling through rivet head using 7/32" drill bit. Using a flat nosed pin punch (3/16") punch the remainder of rivet through hole in weight.

Note: Do not grind heel of weight to increase engagement. Use additional spring pre-load to increase engagement.

Important Note:

Belt to sheave side clearance should be checked and adjusted to .010" to .020" with MTX™ weights in place. Too much belt to sheave side clearance will result in poor clutch performance and lower top speed. Too little belt to sheave clearance will result in belt squeal or the sled trying to creep at an idle. MTX weights have a slightly higher heel height than stock weights which tightens up belt to sheave clearance somewhat. Provided shims can be added if needed under the spider to adjust for proper belt to sheave clearance (add shims to increase belt to sheave clearance subtract shims to decrease it, not all shims will be used in most cases).

Note: If the provided shims are needed install them under the stock shims.

