



ALL10260 Tire Groover With Blades

INSTRUCTIONS

BLADE INSERTION – With blade clamp screws loosened by one half turn, slide blade cradles (blocks with blade stops) together or apart to roughly match the blade to be inserted. Squeeze blade to align blade legs with the slots of the cradles. Push blade legs down into slots and then slide blade legs under blade clamps. Adjust blade to desired cutting depth. Slide blade and cradle assembly left or right to center blade. Lightly tighten blade clamp screws to lock blade in place. Over tightening will shorten life of the blade cradle and clamp.

BLADES – A sharp blade will allow you to cut easier, faster, and with less force. A dull or damaged blade should be replaced. Avoid smoke because this indicates excessive heat which will shorten blade life.

POWER LEVELS – Always cut with the lowest possible power setting. This groover has eight power options; four within the high and four with the low range. Rubber durometer, blade size, depth of cut and speed of cut are all variables that will affect your power level selection. Start with a lower power setting and adjust higher if necessary.

GROOVING – No warm up time is needed. Place the cutting edge of the blade against the tire. Angle the tool so the blade will cut the rubber. The groover will automatically activate when the operator applies cutting pressure. As the blade cuts into the rubber, allow the stabilizer slide pads to flatten against the tire. This will stabilize the tool at the proper cutting angle and enable the operator to cut at a consistent depth.

CLEANING AND MAINTENANCE - For optimum performance, the head should be cleaned daily or more often under heavy use. Remove the blade and with the clamping screws loose, spray the head assembly with a solvent such as carburetor or brake clean. Use compressed air to dry and remove any debris from head.

All Blades Sold In Packages Of 12



Flat Bottom Blades

- ALL10271.....#3 Flat, 3/32"
- ALL10272.....#4 Flat, 4/32"
- ALL10273.....#6 Flat, 6/32"
- ALL10274.....#8 Flat, 8/32"
- ALL10275.....#10 Flat, 10/32"



Round Bottom Blades

- ALL10267.....#1 Round, 1/32"
- ALL10268.....#2 Round, 2/32"
- ALL10269.....#3 Round, 3/32"
- ALL10276.....#4 Round, 4/32"
- ALL10277.....#6 Round, 6/32"
- ALL10278.....#8 Round, 8/32"
- ALL10279.....#10 Round, 10/32"



Heavy Duty Flat Bottom Blades

Twice as thick as standard blades for removing large amounts of material with less chance of blade damage. Commonly used in off-road racing.

- ALL10580.....#16 Flat, 16/32"
- ALL10582.....#20 Flat, 20/32"
- ALL10584.....#24 Flat, 24/32"
- ALL10586.....#32 Flat, 32/32"



ALL10590 Tire Groover With Blades

INSTRUCTIONS

*****These units are shipped without plug ends.*****

(Due to the variety of 220-240V plug options, this will be a customer supplied item.)

United States 220/240 Plug Wiring

- Green Wire-Ground or Earth Connection
- White Wire-Line Voltage Connection
- Black Wire-Line Voltage Connection

International 220/240 Plug Wiring

- Green Wire-Ground or Earth Connection
- White Wire-Neutral Connection
- Black Wire-Line Voltage Connection

BLADE INSERTION - Loosen the lever. The position of the lever may be adjusted by pushing the lever in and rotating it. Insert the blade between the spacers at a position that is roughly centered in the head. Blade depth can be accurately set by using a tire depth gauge. Avoid inserting the blade legs next to the thick black center spacer. If it is necessary to do this in order to cut a narrower groove, the center spacer may have to be replaced periodically. Tighten the lever firmly. Do not over tighten.

POWER LEVELS - Rubber durometer, blade size, depth of cut, and speed of cut are all variables that will affect your power level selection. Power level 4 is the least commonly used setting. Always cut at the lowest possible power level. Avoid smoke as this shortens blade life. A sharp blade will allow you to cut easier, faster, and with less heat. A dull or damaged blade should be replaced. **IMPORTANT:** For optimum performance and longevity of the groover, use only ALLSTAR replacement blades.

GROOVING - Place the cutting edge of the blade against the rubber. The groover will automatically activate when the operator applies cutting pressure. Allow the front slide pads to position the tool at the proper cutting angle. Most tire grooving is done with only the two front slide pads riding on the tire surface. The rear slide pad is only useful when cutting across soft tires, such as some racing tires, where the give of the tire may allow the rubber to contact the rear slide pad. The most common way to cut a zig zag groove is by an off and on action at the intersections. However, at low power settings, these same cuts can be made with a continuous action by maintaining cutting pressure through the intersections.

CLEANING AND TOOL MAINTENANCE

For optimum performance, the head should be cleaned daily or more often under heavy use. Remove the blade and with the lever loosened, spray the spacers with a solvent such as a carburetor cleaner. Use compressed air to dry the spacers and blow any loosened dirt from the head. At least weekly, spray the spacer area with solvent and use a pipe cleaner to clean between spacers. The head is designed to be easily removed for cleaning, rebuilding, or replacement if necessary.

HEAD UNIT REMOVAL - Unplug the groover. Remove the two brass screws located on top of the head. Turn the tool over and use a hex wrench to remove the two socket screws holding the head unit in place. Slide head away from tool.

Replacement Components:

- ALL99104..... Tension Lever Kit
- ALL99105..... Head Assembly
- ALL99106..... Front Pads
- ALL99107..... Rear Pads
- ALL99127..... Head Blade Divider



ALL99104



ALL99105



ALL99106



ALL99107



ALL99127