

RATCO INC.
INSTALLATION INSTRUCTIONS FOR
THROTTLE LINKAGE CONVERSION
KIT NO: TLK-01
FOR TRIUMPH TR4A (IRS), 5, 250, 6
WITH STROMBERG, SU OR WEBER CARBS
DOUBLES OR TRIPLE SETUPS
READ THESE INSTRUCTIONS

NOTES TO INSTALLER: The following instructions are intended to assist you in the installation of the throttle linkage kit. We have found that every situation is different in the way that carburetors are step up, the types of manifolds that are used and the arrangement of the linkage used in the original set up. Therefore we have endeavored to make this kit a universal fit for all three carburetor types and linkage arrangements. The installer is advised to start with a sense of humor in that differences might be found in his or her set up and that of the models the designers found in there research. Some filing, bending or other manipulation of the hardware or the instructions might occur. In any case, we have not met an arrangement that this kit would not work on to date.

The cable supplied is 24 inches long and the brackets are designed to be placed on the front or rear carburetors or in the case of three carb setups, between the 1st and 2nd or the 2nd and 3rd. You decide what is convenient for you and cut the length of the cable assembly to suit. Do not rush into it. Think it out. The reward will be a very simple, very smooth, easily adjustable solution to an other wise sticky problem.

INSTALLATION INSTRUCTIONS



1. Disconnect the negative terminal of your battery.
2. If you have heater hoses running on the right side of the battery between the firewall and the engine, then use a cable tie to secure and lift them up and out of the way.
3. Remove the original linkage form your carburetors. Replace the nuts on the carb that you are not mounting the carburetor bracket to.
4. Choose the carb that you feel is the most convenient to place the carb bracket and its cable assembly. The most practical place would be the location with the least obstacles in their way. Remove the two lower manifold to carb nuts and place the bracket over the studs and replace the nuts. Do not tighten as you may want to remove it later to ease the installation of the cable assembly or to bend it slightly for a better fit and positioning of the cable.

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5. Now, focus on the accelerator lever on the fire wall which is now free as you removed the original linkage from it. Place the accelerator bracket from the kit over the lever so that the lever protrudes through the slot in the bracket.
6. Align the bracket so that the rear of the slot is at the edge of the shelf on the firewall and the lever is centered in it. Mark the center of the holes in the bracket on the shelf.
7. Drill through the shelf with a 5/16 drill bit and attach the bracket to the shelf and over the lever with the hardware supplied.
8. Find the cable assembly and using the Allen wrench, loosen the screw and remove the carb end fitting from the cable and pull the cable free of its sleeve from the other end. Pull off the jam nut assembly but **DO NOT** remove the ferrule from the braided sleeve.
9. Attach the accelerator bracket end of the braided sleeve to the hole in the bracket mounted on the firewall. Hand tighten the jam nut and thread the braided sleeve to the carb bracket slots. It is important to make the cables path as direct as possible but curving lazily along its path. When an acceptable path and length are determined, mark the sleeve where it should be cut and pull that ferrule on the end of the sleeve past the cut line.
10. Now cut the braided sleeve at the cut mark with a good cable cutter. Avoid fraying the end.
11. Place the jam nut assemble removed earlier in the slot of the carb bracket that you intend to use. Center the length of thread on the bracket. Hand tighten the jam nut. Place the carb end fitting on the throttle lever and tighten the nyloc nut.



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12. From the accelerator bracket end, slide the cable through the sleeve and attach the fitting to the accelerator lever with the clevis pin and snap ring.
13. At the other end, thread the cable through the jam nut fitting on the carburetor bracket and push the sleeve and the ferrule in to its socket on the bottom of the jam nut fitting. Make sure that it is seated properly in its socket and that the ferrule fits tight. Pull the cable taut and mark the place where the cable reaches the fitting mounted to the carb throttle lever at the point where the Allen screw is. Now add one inch and cut the cable. Insert it into the throttle end link and tighten the Allen screw upon it. Now adjust the tension of the cable by adjusting the jam nut assembly on the carb bracket up or down just enough to make the cable straight with no slack or tension against the throttle lever.
14. Tighten all your hardware and adjust your gas pedal height if necessary. Check for free play and you done.

QUESTIONS OR PROBLEMS: CALL 631-205-2426

GOOD LUCK AND GOOD DRIVING