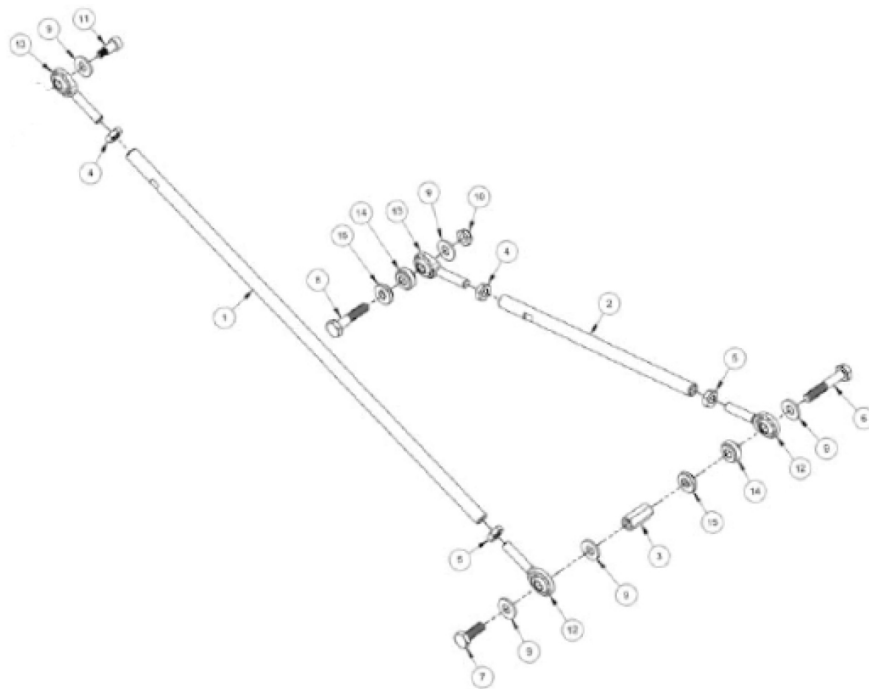


INSTRUCTIONS

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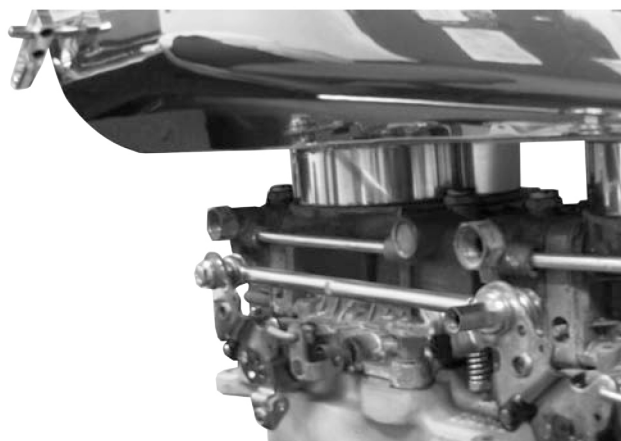
135-1990 - Carburetor Linkage Kit for Shotgun Bill's Scoop®



1. Install carburetors on intake manifold.
2. Detach the short link from the linkage assembly by unscrewing bolt from coupling nut.
3. Separate the carb throttle arm bushing halves. Position the linkage on the inboard side of the throttle arm of the rear carb, with bolt threads protruding through the throttle arm. Secure with outer bushing half and coupling nut.
4. Adjust length of link as necessary to assemble bushing halves into the throttle arm of front carb. Again, make sure that the larger tapered bushing half is inboard, and the smaller flat bushing half is on the outside of throttle arm. Secure with nut and bolt.

NOTE: Engine can now be started and adjustments made, prior to installing the scoop. Assure that linkage operates smoothly and returns to idle without binding.

TO SYNC CARBS: Back off idle speed adjustment screw of front carb 3-5 turns counter clock-wise. Back off idle speed of rear carb until the throttle blades are lightly seated in bores, count turns. Adjust link between carbs until the throttle blades are lightly seated in the front carb.



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Shorten linkage approximately 1/8 turn to remove slack, and tighten jam nuts. Turn rear carb idle speed adjustment screw clock-wise the number of turns previously noted. Do not adjust front carb idle speed screw, all idle speed adjustments are now made at the rear (primary) carb.

5. Install scoop per instructions. With butterflies of scoop in the vertical position install the linkage arm on the butterfly shaft, with the arm angled forward and down at approximately a 45 degree angle.

6. Measure from center hole in scoop linkage arm to the coupling nut on the aft carb throttle arm. Shorten the long link rod as necessary to achieve the required dimension.



NOTE: In most cases, with the scoop centered on the carbs, you will need to shorten the long link rod 1 to 1-1/4". Double check all dimensions before cutting off the end of link rod. Make certain that you cut off the end of the link rod with R/H threads (as most tap and die sets do not include L/H taps). Depending on how much material is removed from the end of the link rod it may be necessary to chase the threads in order to have full engagement with the rod end. The threads are 1/4 x 28 NF.

7. Connect forward end of long link rod to the center hole of linkage arm on the scoop. Connect the rear end of link rod to the coupling nut on aft carb throttle arm.

8. Operate linkage and check for freedom of movement. Make certain that the linkage to the scoop does not bind or go over center. Close hood, make sure that linkage does not hang up or bind on hood or scoop opening.

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