

## **Installation Instructions for 50061, 50062, 50084, & 50086**

### **Bug Catcher Style Scoop**

#### **Dual or Single Quad Applications**

##### **Parts Included:**

Hood Air Scoop	1 pc	A/C Base Mounting Flange	2 pcs
Air Cleaner Top	2 pcs	Air Filter Element	2 pcs
Throttle Rod Support Bracket	2 pcs	Throttle Plate Rod	1 pc
Throttle Plate	3 pcs	Throttle Arm	1 pc
Throttle Linkage Rod	1 pc	Ball Joint Assembly	2 pcs
Air Cleaner Stud	2 pcs	Air Cleaner Stud Wing Nut	2 pcs
1/4"-20 x 5/8" Hex Head Rod Support Screws	4 pcs	1/4" Lock Washer	4 pcs
#8-32 x 3/4" Button Head Throttle Plate Screws	6 pcs	#8 Lock Washer	6 pcs
#6-32 x 1/2" Socket Head Throttle Arm Set Screw	1 pc	1/4"-28 Jam Nut	2 pcs
1/4"-28 Whiz Lock Nut	2 pcs	1/4" Flat Washer	8 pcs
1/4"-20 x 1/2" Whiz Lock Screw	8 pcs	Single Scoop Support Brackets	2 pcs

1. Remove the existing air cleaner unit from carburetor.
2. Insert "smooth" end of throttle plate rod through hole in scoop. Make sure the "spine" end of rod is sticking out on the side that carburetor linkage will mount.
3. Finger tighten only the three throttle plates to the throttle plate rod using the six #8-32 x 3/4" button head screws and the six #8 lock washers.
4. By rotating the throttle rod, check to make sure that throttle plates turn without hitting the scoop or support brackets. Make any necessary clearance adjustments to the plates so that there is no contact with the scoop. Then tighten securely the throttle plate screws.
5. Screw air cleaner studs into carburetors. Check length of studs with air scoop clearance. If needed, cut studs to desired length.
6. Set the base mounting flanges onto the carburetors. Place air filter elements and air cleaner tops onto the base mounting flanges. Next, use the air cleaner stud wing nuts to tighten entire assembly to the carburetors.
7. Place the air scoop over top of the air cleaner unit so that tapered holes line up with the slots in the base mounting flanges. Use the 1/4"-20 x 1/2" whiz lock screws & 1/4" flat washers to fasten base mounting flanges to the air scoop securely. Need to insert the screws from the underside of the base flanges and screw into the tapered holes on the air scoop.
8. Slide the throttle arm onto the "spine" end of throttle rod so that it is approximately 15° ahead of vertical. Using the #6-32 x 1/2" socket head set screw, tighten arm to rod enough so that it can still rotate.
9. Install ball joint assembly to carburetor throttle lever. Tighten using 1/4"-28 whiz lock nut.
10. Screw 1/4"-28 jam nut onto the throttle linkage rod. Then screw throttle linkage rod into the ball joint assembly on the carburetor.
11. Screw 1/4"-28 jam nut onto the carburetor end of throttle linkage rod. Screw ball joint assembly onto linkage rod. Position so that threaded stud on the ball joint can slip through the hole in the throttle arm. Tighten securely with lock nut.
12. The throttle linkage rod should now be connecting the carburetor throttle arm with the scoop throttle arm. Open the throttle plates to about 3/16" open. Check the total travel of the throttle plates with the carburetor fully open. Adjust throttle plate rod's position on the throttle arm to achieve desired plate movement. Once adjustments have been made, tighten the setscrew on the throttle arm.
13. If needed, additional adjustments can be made on throttle arm positioning by repositioning ball joint assemblies. Tighten all jam nuts once adjustments are complete.
14. The carburetor linkage attached to the scoop must work freely and without binding. User discretion is advised.
15. Before closing the hood, check air scoop for proper clearance.

**Note: This product is not legal for street use on pollution-controlled vehicles.**



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