

Arctic Cat® Snowmobile

Installation Instructions

Throttle Lever Kits (p/n 0709-094, 0709-095)

■ **NOTE:** Read these instructions thoroughly and carefully before beginning the installation process. Retain these instructions for future reference.

Kit includes:

p/n	QTY.	DESCRIPTION
0123-788	2	Cable Tie (Long)
0123-811	1	Cable Tie (Short)
0609-038	2	Throttle Lever Seal
0609-789	1	Shoulder Bolt
0609-790	1	Cap Nut
0609-827	1	Thumb Warmer Element
0609-957	1	Throttle Lever (50%) *
1605-110	1	Go/No Go Throttle Gauge *
0609-958	1	Throttle Lever (33%) **
2621-914	1	Engine Power Decal **
0617-248	1	Thumb Warmer Pad
1623-616	1	Nylon Washer
1653-969	1	Instruction

* Included in Kit (p/n 0709-094)

** Included in Kit (p/n 0709-095)

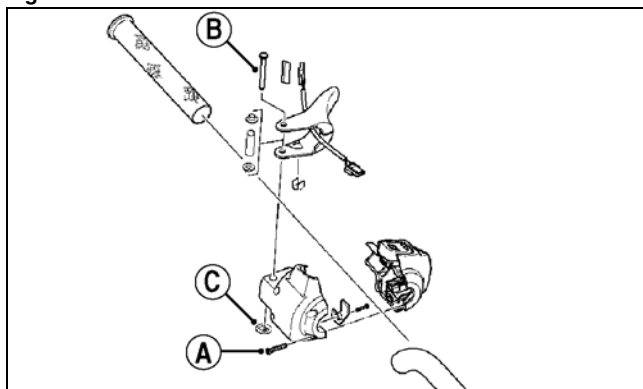
■ **NOTE:** Refer to the appropriate Arctic Cat Snowmobile Performance Manual for more detailed instructions.

■ **NOTE:** To install this kit, an 8 and 15 torx bit will be required.

■ **NOTE:** Throttle Lever Kit (p/n 0709-095) is for the Transition classes for kids years 8-12. The ECM must be removed from the snowmobile and sent to Arctic Cat to get reprogrammed.

1. Remove the throttle cable from the throttle lever.
2. Remove the throttle lever by removing the throttle lever axle (B), push nut (C), spacer and two throttle lever seals; then remove the four machine screws (A) securing the throttle control. Remove the throttle lever from the handlebar. See Fig. 1.

Fig. 1

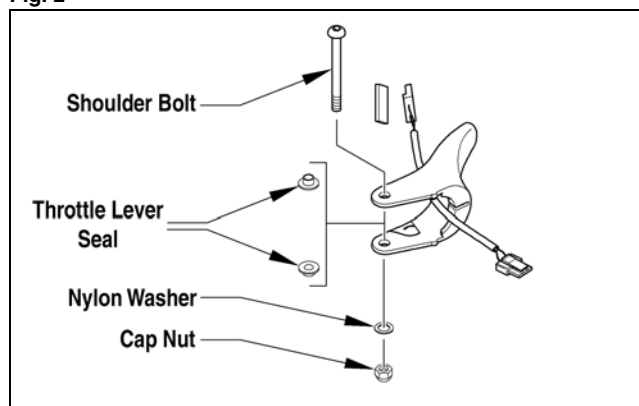


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3. Remove the backing from Thumb Warmer Element and secure to the backside of the new Throttle Lever; then secure Thumb Warmer Pad over the element.

4. Connect the thumb warmer element to the throttle control; then secure the new throttle lever to the throttle control using new Throttle Lever Seals, new Shoulder Bolt, new Nylon Washer, and new Cap Nut. Tighten securely. See Fig. 2.

Fig. 2



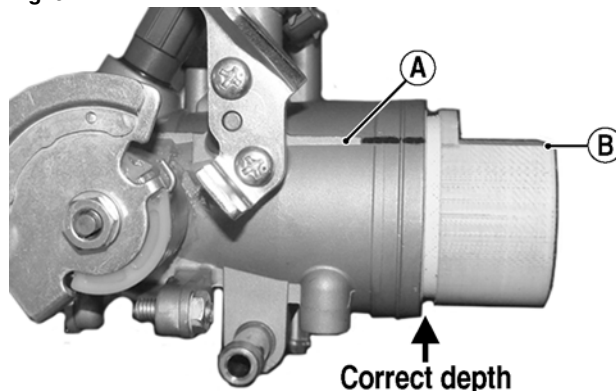
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5. Install the throttle cable through the throttle control and into the new throttle lever.

■ **NOTE:** If installing 50% throttle kit, follow steps 6-8 and adjust your throttle cable using the Go No/Go Gauge. The access panels, hood, and throttle body boot will have to be removed for this procedure.

6. With the throttle held in the wide-open position, install Throttle Control Gauge Tool (with the flat side up (B) and is aligned with the line boss on the throttle bodies (A) into the throttle bore and check for the proper clearance while observing the line on the tool. See Fig. 3.

Fig. 3



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■ **NOTE:** When the throttle cable length is properly adjusted (with the throttle lever in the wide open position), the gauge tool should enter the throttle body bore up to the machined groove as shown in figure 3. If the gauge tool enters the throttle body bore past the machined groove (with the throttle lever in the wide open position) cable adjustment is necessary or the snowmobile will not meet technical inspection requirements of the 50% opening maximum.

7. After removing the gauge tool, carefully install the air intake assembly and check for free movement of the throttle control system.

■ **NOTE:** Once the kit is completely installed make sure when the throttle is released that the butterfly completely closes.

CAUTION

Compress the throttle lever to ensure free movement. If the throttle cable sticks or binds, correct the problem before starting the engine.

8. Install the throttle body boot, hood and both access panels.

■ **NOTE:** For Throttle Kit (p/n 0709-095), place Engine Power Decal over the existing decal on the rear of the tunnel. See Fig. 4.

Fig. 4



ZR-051A

