



**QUALITY... PLAIN & SIMPLE®**

**Throttle & Kickdown Bracket for Barry Grant Six Shooter**

**Part # TCB-40BG**

# Throttle & Kickdown Bracket for Barry Grant Six Shooter

**Part # TCB-40BG**

**Building American Quality... With A Lifetime Warranty!™**

10924 Murdock Dr. • Knoxville, TN 37932

TOLL FREE 1-877-469-7440 • (865) 966-2269 • FAX (865) 671-1999 • tech@lokar.com • www.lokar.com

**STOP!** Please read all installation instructions before beginning installation. Call Lokar for any questions or uncertainties during the installation.

**WARNING:** Disconnect battery before beginning installation. Make sure vehicle is in Park. Before making adjustments and taking shifter out of gear, be sure that the vehicle's parking brake is set and scotched to avoid movement of the vehicle.

## **Throttle & Kickdown Bracket Installation**

**Step 1:** Install the aluminum blocks to the bottom of the carburetor throttle arms on the front and rear carburetors. Use the supplied 10-32 x 1/2 stainless button head screws. (It is recommended that a small amount of locktite be used on each screw.

Install long linkage rod to the front and rear carburetors. This may be easier by removing carburetors from intake manifold. Long linkage rod is to be installed on the backside of the billet aluminum block on the bottom of the carb throttle arm. Use the two 1/2" diameter tapered Lokar spacers. These go between the rod end and the carburetor aluminum block with the tapered end of the spacer going against the rod end. Use the two supplied 10-32 x 1-1/4 stainless steel cap screws.

**(See Photo 1)** Install carburetors back onto intake.

**Step 2:** Install Lokar billet aluminum linkage bracket to the rear carburetor. Remove the two studs on rear carburetor. Use the two supplied 5/16-18 x 1-1/4 cap screws to secure bracket to carb. **(See Photo 2)**

**Step 3:** Install the short progressive rod supplied by Barry Grant, Inc. to the front and center carburetors. The rod needs to be installed with the slotted rod end on the front carburetor in the tapped hole; using the two Lokar supplied #10 flat washers and shoulder bolt. The washers go between the carb throttle arm and slotted rod end to prevent interference between the rod end and linkage arm at wide open throttle. **(See Photo 3)**

**Step 4:** Install progressive rod and throttle cable rod end on center carb. Use two Lokar #10 flat washers between carb throttle arm and rod end. Stack throttle cable rod end against progressive rod end. Install supplied 10-32 x 1-1/4 cap screw and #10 flat washer. Use the 10-32 nylock nut to lock this assembly into place. The rod will be running down in the front when mounted. **(See Photo 4)**

**Step 5:** Mount Lokar kickdown hex carb stub and spring return tab. This installs on the bottom of the center carb. Slide spring return tab on the hex carb fitting. Note: If a kickdown cable is not being used, install spring return tab using a 1/4-28 bolt and 1/4-28 nylock which are not supplied in kit. The spring return tab needs to be on the front side of the carb throttle arm. Install the nylock nut on stud. Tighten this assembly up, and then back off the nut enough so that the spring tab will swing free. **(See Photo 5)**

**Step 6:** Install throttle return springs. Insert small diameter spring inside the larger spring. One end of the spring attaches to the spring tab on the center carb. The other end attaches to the billet aluminum Lokar bracket in the small hole on the bottom of bracket. **(See Photo 6)**

**Step 7:** Install throttle cable and kickdown cable. This bracket is designed to work with Lokar's throttle and kickdown cables. Refer to Lokar throttle and kickdown installation instructions.

### **Kit Contents:**

- 2) 5/16-18 x 1 1/4 socket head cap screws (Lokar billet bracket to carburetor)
- 2) 10-32 x 1 1/4 socket head cap screws stainless (Long secondary rod)
- 2) 1/2 tapered aluminum spacers (long secondary rod)
- 1) 10-32 x 1 1/4 socket head cap screw stainless (short rod center carb)
- 5) #10 flat washers stainless (3 on center rod end, 2 on progressive rod end)
- 1) 1/4 x 3/8 shoulder bolt (short rod on slotted end front carb)
- 1) 10-32 nylock nut (Center carb. Short rod & throttle rod end)
- 1) #10 female rod end (for throttle cable)
- 1) Spring return tab
- 2) Long return springs
- 2) Aluminum blocks (bottom of linkage arms front and rear carburetors)
- 2) 10-32 x 1/2 stainless button head screws (hold aluminum blocks to throttle linkage)

### **Parts that will not be used from BG SixShooter Kit:**

- 2) Carburetor hold down studs
- 2) Carburetor hold down lock washers
- 2) Carburetor hold down nuts
- 4) 7/16 diameter brass spacers
- 3) 10-32 nylock nuts
- 3) 10-32 x 1" cap screws

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## **Installation Photos 1 - 7**

### **Throttle and Kickdown Bracket for Barry Grant Six Shooter**



**Photo 1**



**Photo 2**



**Photo 3**



**Photo 4**



**Photo 5**



**Photo 6**



**Photo 7 - Completed Installation**