



BTR VALVE COVER SET INSTRUCTIONS

VCA-01-BLK/VCA-01-BLK-CM

VCA-01-RED/VCA-01-RED-CM

VCA-01-SLVR/VCA-01-SLVR-CM

Parts List:

QTY	DESCRIPTION
2	Valve Cover
4	Coil mounting bracket
8	M6x1, 80mm socket head cap screw
8	M6 locking nut
8	M6 flat washer
16	M5x.8 flat head socket head
16	Coil spacer, short
8	Coil spacer, long
2	Baffles / 1 Right & 1 Left
8	Baffle screw, 8-32 x 1/2" self-tapping
1	12AN ORB oil fill cap
1	12AN ORB port plug



Tools Needed:

1/4" drive ratchet

1/4" socket

5mm allen key wrench or socket

3mm allen key wrench or socket

10mm socket

in/lb. torque wrench



Installation:

Note: Purchasing new gaskets is recommended, but not required. Use BTR37683 for standard replacement.

1. Remove all parts and hardware from packaging. If you have missing or damaged parts or hardware, call us at (888) 959-8865
2. Once all parts and hardware have been accounted for, install the baffles into the valve covers using the supplied 8-32 self-tapping screws. If you wish to use a thread locker, USE ONLY ONE SMALL DROP APPLIED TO THE SCREW ITSELF.
3. The baffles need to be installed with the notched portion towards the top of the valve cover as shown in **Figure 1**. Tighten the 8-32 self-tapping screws to 40 in/lbs. The use of power tools may damage threads.



Figure 1

4. Factory GM hardware is re-used to secure the valve cover to the engine. If you do not have the original hardware, BTR77215 can be used as a suitable replacement. Install valve cover gasket into the valve cover, then install the valve cover onto engine and tighten to 32 in/lbs.
5. Install the supplied 12AN ORB oil fill cap, 12AN ORB port plug, or other optional fitting into the open ports on either end of valve cover.
6. Optional coil mount: Fasten coil mount brackets to valve cover using the supplied M5 flat head socket head screw, tighten to 54 in/lbs. If using coils as shown in **Figure 2**, use the long spacer on the right and the short spacer on the left. If using coils as shown in **Figure 3**, use short spacers on left and right. Tighten the M6 bolts and lock nuts to 87in/lbs.



Figure 2



Figure 3

WARNING: DO NOT LEAVE 12AN ORB PORTS OPEN WHILE THE ENGINE IS RUNNING. THIS MAY CAUSE OIL TO BE SPREAD THROUGHOUT ENGINE BAY AND POSSIBLY CEADUSE A FIRE.

For questions or concerns, contact us at:

888-959-8865

customerservice@briantooley racing.com