



Installation Instructions

For technical questions or assistance email tech@thundermfg.com or call 623-869-7154

Congratulations on your purchase of the **SUZUKI M50 & C50 BOULEVARD THUNDER** Air Filter Kit. We're sure you'll be pleased with the new level of performance you'll experience. This kit should be installed on bikes with After Market Exhaust Pipes only and jetted, (not included). We recommend that an experienced mechanic perform this conversion. Use the appropriate Suzuki service manual for reference to complete jetting of carbs.

Remember, gasoline is extremely flammable and can be explosive under certain conditions. Work in a well-ventilated area and clean up any spills immediately. Check for leaks before riding.

Read First

- 1) Remove the stock air box 2 – 4mm allen heads at the top of the air box. Loosen the hose clamp and pull out from the bottom of the air box and remove.
- 2) Unplug the electrical sensor and fresh air hose from the back of the air cleaner
- 3) Remove the stock air box mounting bracket 3 – 10mm bolts.
- 4) Remove the air sensor from the back of the stock air cleaner and install it in the new Thunder Mfg. M50 & C50 adaptor. Place the 3/8 red plug (for M50 only) or the 3/4 red plug (for C50 only) in the fresh air hose.
- 5) You must remove the seat and tank to install the power commander only.
- 6) Place the provided O-Ring in the groove at the top oval opening **C-50 only**.
- 7) Install the new Thunder adaptor using 2 - 6 x 35mm Chrome Button Head Bolts with 2 - 3/4 inch spacers on the backside of the adaptor. Be sure to install the sensor in to the Thunder adaptor (Use the provided 5mm flange socket head cap screw) and tighten the clamp at the top of the adaptor.
- 8) Install the new backing plate to the adaptor with 2 6x15mm taper head bolts.
- 9) Install the filter and cover.
- 10) Make sure to reconnect all the fuel lines and electrical plugs.
- 11) Start and enjoy the Thunder.**

M50& C50 BLVD ADAPTOR

QTY	PARTS LIST
1	M50 & C50 BLVD ADAPTOR
1	3/8 RED PLUG (for M50 only)
1	3/4 RED PLUG (for C50 only)
2	M6-1 X 35 SOCKET HD CAP SCREW – CHROME PLT
2	M6-1 X 16 FLAT SOCKET HD CAP SCREW
2	3/4 SPACERS
1	M5 X 12 SOCKET HEAD CAP SCREW - FLANGE
1	O-Ring (for C50 only)
1	INSTRUCTIONS

Special Notes:

Tornado or Hurricane Installation:

Use instructions included with the adaptor for your bike and install the adaptor first. With your adaptor installed now attach the Hurricane – Tornado adaptor plate using the (2) - 6 X 16 flat head cap screws included with the adaptor. Now use the (3) 1/4 -20 X 1/2" chrome socket heads included with the air kit to bolt on the Tornado or Hurricane.

Please note that the Tornado filter is very snug. Filter should be at room temperature or warmer. The rubber does not expand when cold. Apply Windex or similar to Tunnel and inside of filter flange. Be careful when putting filter on so not to wrinkle pleats. It is recommended that you hold filter light but firm, at large end with flange.

Hyper Charger Installation:

Use the instructions step 1 – 8 included with the adaptor. With your HC adaptor installed now attach the Hyper Charger using the (3) m6-1 x 10 socket head cap screws included with the HC adaptor and enjoy. For vacuum to control the butterflies, use a T connector and tap into the Grey hose with a Red stripe located on the left hand side of throttle body by the rear cylinder. Attach the other end onto the vacuum port on the Hypercharger.

Skull Installation: Drill out the threads from the top of the skull backing plate – use 1/4 drill bit (not provided). Now use the bolts supplied to attach the skull backing plate to the Thunder Adaptor.

M50 & C50 BLVD HC/SKULL

QTY	PARTS LIST
1	SUZ M50 BLVD ADAPTOR
1	MULTI BIKE HC ADAPTOR PLATE
1	3/8 RED PLUG (for M50 Only)
1	3/4 RED PLUG (for C50 Only)
2	M6-1 X 35 SOCKET HD CAP SCREW – CHROME PLT
2	M6-1 X 16 FLAT SOCKET HD CAP SCREW
3	M6-1 X 10 SOCKET HEAD CAP SCREW
2	3/4 SPACERS
1	M5 X 12 SOCKET HEAD CAP SCREW – FLANGE
1	O-Ring for C50 only)
1	INSTRUCTIONS
1	M6 x 30 SOCKET HD