



## Installation Instructions

For technical questions or assistance email [tech@thundermfg.com](mailto:tech@thundermfg.com) or call 623-869-7154

Congratulations on your purchase of the **SUZUKI 800 VOLUSIA** Adaptor 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.**

### 800 VOLUSIA ADAPTOR

#### Read First

- 1) Remove Seat – 6mm allen head.
- 2) Remove Dash 1 - 3mm allen and 2 - 4mm allen heads.
- 3) Remove Tank 1 - 12mm socket at the rear of the tank.
- 4) Remove the chrome cosmetic cover on the left side of the bike – 2 8mm socket heads. Disconnect the 2 vacuum lines from the tank and fuel line.
- 5) Pop the idle adjustment out of the bracket and lift at the rear of the tank. Unplug the one white electrical plug.
- 6) 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.
- 7) Remove the stock air box hanger bracket 3 – 10mm bolts.
- 8) Jetting can now be done.
- 9) Plug the pair valve hose with the supplied red plug – It is the large 5/8 hose going to the vacuum canister on the left hand side of the bike.
- 10) Place the provided O-Ring in the grove at the top oval opening.
- 11) 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. On the Boulevard unplug and remove the sensor from the backing plate. Install the sensor in to the Thunder adaptor. (Use the provided 5mm socket head cap screw.)
- 12) Install the new backing plate to the adaptor with 2 6x15mm taper head bolts.
- 13) Install the filter and cover.
- 14) Reinstall the tank & dash. Make sure to reconnect all the fuel lines and electrical plugs.
- 15) Reinstall the seat.
- 16) **Start and enjoy the Thunder.**

QTY	PARTS LIST
1	800 SUZUKI VOLUSIA ADAPTOR
1	3/4 RED PLUG
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	#45 PILOT JET (Volusia Only)
1	M5 x 12 SOCKET HD CAP SCREW – ATTACHED TO ADAPTOR
1	M6 X 12 BUTTON HD CAP SCREW STAINLESS STEEL – ATTACHED TO ADAPTOR
1	6MM LOCK NUT – ATTACHED TO ADAPTOR
1	O-Ring
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## 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 – 15 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.

**Skull Installation:** Use the instructions steps 1 – 15 included with the adaptor. Next drill out the threads from the top of the skull backing plate – use ¼ drill bit (not provided). See image pictured. Now use the bolts supplied to attach the skull backing plate to the thunder adaptor.

### 800 VOLUSIA HC & SKULL ADAPTOR

QTY	PARTS LIST
1	800 SUZUKI VOLUSIA ADAPTOR
1	MULTI BIKE HC ADAPTOR PLATE
1	¾ RED PLUG
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	¾ SPACERS
1	M5 x 12 SOCKET HD CAP SCREW – ATTACHED TO ADAPTOR
1	M6 X 12 BUTTON HD CAP SCREW STAINLESS STEEL – ATTACHED TO ADAPTOR
1	6MM LOCK NUT – ATTACHED TO ADAPTOR
1	#45 PILOT JET (Volusia Only)
1	O-Ring
1	M6 X 30 SOCKET HD CAP SCREW
1	INSTRUCTIONS

