

MAGNUM ELECTRIC HORNS
BMW GS 1100 & 1150 1994 & UP WITH PARALEVER SUSPENSION
INSTALLATION INSTRUCTIONS

1. Remove seat and the fuel tank mounting bolt. Prop up rear of tank 2 to 3 inches.
2. Remove the stock horn.
3. Remove the black brackets from the stock horn and bolt onto new low tone or left hand horn. See photo #1. Bend bracket down approximately $\frac{3}{4}$ " as shown in photo#1. Using the 2 brackets with offset bend supplied, flatten the bends with a hammer so that eh offset is only $\frac{1}{2}$ ". Bolt to the right hand or high tone horn as shown in photo #1 NOTE: The relationship of the bracket to the terminals as shown in photo #2. Using a $\frac{11}{32}$ " drill enlarge the mounting hole on the offset end of the offset brackets. Remove the 8mm allen bolt that attaches the fairing mount to the frame, see photo ##3A. Replace the allen bolt with the 8 x 45mm and tighten the bolt. Install and tighten one of the 8mm nuts supplied onto the end of the new 8 x 45mm bolt.
4. Starting with the right hand or high tone horn plug the wire ends with the single wire onto the horn terminals with the wires pointing toward the mounting bracket hole. Guide this horn up into the cavity behind the steering head as shown in photo #4 and slip the mounting bracket over the 8 x 45mm bolt protruding threads. Place the ground wire ring terminal onto this stud then the remaining 8mm nut supplied as shown in photo #3A, position the horn so as to have some clearance from the frame and tighten the nut securely. See photo #4.
5. Plug the 2 terminals with 2 wires on each into the remaining low tone or left hand horn again with the wires pointing toward the bolt hole on the bracket. Bolt the horn onto the stock horn mounting stud using the original nut and tighten securely. See photo #5.
6. Cut the plug for the stock horn off as close to the plug as possible. Strip the wires and crimp on 2 of the $\frac{1}{4}$ " female blade terminals supplied. Refer to the wiring diagram for connections. Attach the 2 stock horn wires to the relays terminals 85 & 86. Attach the wire from the horns to the relay terminals 87 or 30. Attach the 36" long wire supplied to the remaining relay terminal 87 or 30. (the center relay terminal is not used) Secure the relay to the fairing mount using a 7" cable tie provided, see photo #5.
7. Route the 36" long wires under the fuel tank back to the battery (+) positive terminal. (this is best done with a stiff wire or coat hanger with a hook bent at one end) Using the fuse assembly provided cut the wire to the desired length, strip the end and crimp on the fuse assembly. Then attach the wire to the battery (+) positive terminal. NOTE: use great care not to allow your wrench to short out on to the fuel tank!
8. Turn on the ignition and test the horns. Secure all wires with the cable ties provided. Replace the fuel tank bolt and seat. Check to see that none of the cable ties or hose wires are hanging up on the horn. If so, cable tie them up out of the way.

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