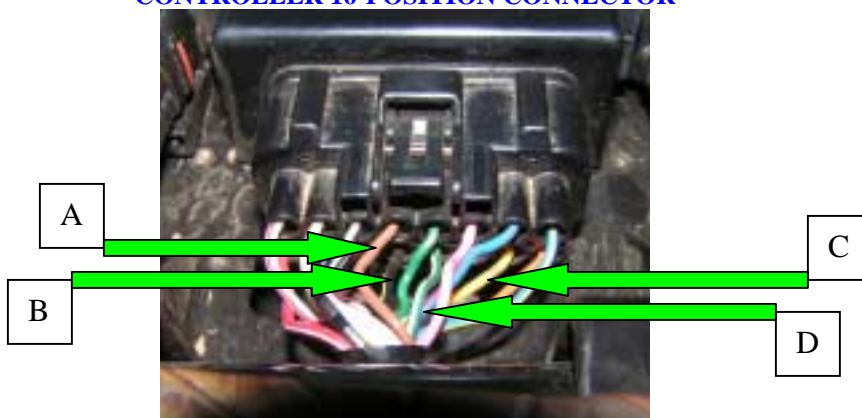


MANUAL FOR THE DG6



DG6 (ENGINE BRAKE BYPASS) DESCRIPTION AND INSTALLATION: The DG6 contains a RISC Processor, which has been programmed to allow the disconnection and/or removal of the Engine Braking System by controlling the meter's 2wd/4wd indicators. The DG6 design also includes an embedded Ultra-bright Blue diagnostic LED. The Blue LED will flash ON and OFF in 2wd, and will remain ON in 4wd. The Blue LED, and the meter indicator will only indicate "4WD" after the 2wd/4wd system has fully engaged into 4wd. Please read and follow these directions carefully. Incorrect wiring may cause damage to the device and ATV components. You will be making three tap connections, and will cut one wire and connect to one of its ends. You may use connectors, or solder the wires directly. For reliable operation, ensure that all connections are protected from dust and moisture by sealing the connections with shrink tubing, electrical tape, etc.

CONTROLLER 16-POSITION CONNECTOR



1. Set the STOP Switch to the STOP position, turn the Ignition Switch OFF, remove the ATV's seat, and locate the Controller. It is smaller than the Igniter and has one 16-position connector.
2. If you already have a DG Holeshoot, DG3, or DG5 installed, you may connect the DG6's **RED** wire to your existing device's **RED** wire. If not, locate wire "A". It is a **BROWN** wire. Connect the DG6's **RED** wire to wire "A" forming a Tap connection.
3. If you already have a DG Holeshoot, DG3, or DG5 installed, you may connect the DG6's **BLACK** wire to your existing device's **BLACK** wire. If not, locate wire "B". It is a **BLACK with YELLOW Stripe** wire. Connect the DG6's **BLACK** wire, to wire "B" forming a Tap connection.
4. Locate wire "C". It is a **YELLOW** wire. Connect the DG6's **YELLOW** wire, to wire "C" forming a Tap connection.
5. Locate wire "D". It is a **GREEN with WHITE Stripe** wire. Cut this wire to form two different ends, and connect the end of the "D" wire coming from the wire harness, to the DG6's **VIOLET** wire.
6. Verify that all connections are correct, and seal all connections using heat tubing, electrical tape, or other preferred methods, including the unconnected "D" wire end going to the controller. You can now completely remove the Engine Braking System, or simply unplug its 6-pin connector located above the CVT cover, and

seal it's connectors using electrical tape or other preferred method. You can restore Engine Braking by plugging in its connector. **CAUTION:** Always turn the ignition key to OFF, and wait 10 seconds for the Engine Brake Controller to re-calibrate, before unplugging or re-plugging the 6-pin Engine Brake Connector.

DG6 TROUBLESHOOTING:

Blue LED will not come ON or Flash? – Check the DG6's **BLACK** and **RED** wire connections.

Blue LED and Meter's 2wd/4wd Indicator do not switch indication modes? – Check the DG6's **YELLOW** wire connection.

Blue LED indicates correct mode but the Meter's Indicator does not? – Check that the controller's **GREEN with a WHITE Stripe** wire is cut, and that the harness end is connected to the DG6's **VIOLET** wire.