

INSTALLATION INSTRUCTIONS FOR DSMS-2 DYNA SHIFT MINDER SYSTEM FOR 2-CYLINDER FOUR STROKE ENGINES

The Dyna Shift Minder System is designed to help a rider make consistent shifts at a preset shift point rpm. The Dyna Shift Minder System consists of a Shift Light and a Shift Minder control module. The Shift Minder is designed to monitor the engine rpm and turn on the Shift Light at precisely the preset rpm.

INSTALLATION:

- 1) Install the bracket on the Shift Light using the 8-32 hardware included. The bracket can be formed or welded to suit any individual installation. We do not recommend hard mounting the Shift Light to the chassis. Hard mounting may shorten the bulb life due to vibration.
- 2) Install the Shift Light and bracket in a convenient location in the driver's field of view.
- 3) Attach the Shift Minder to the vehicle in a convenient location near the shift light using the double sided tape.
- 4) Connect the red wire from the Shift Minder to a source of switched +12 volts, such as at the ignition switch or the +12 volt side of the coil.

NOTE: If you experience an ignition miss when the Shift Light turns on, try connecting the red wire to a different source of switched +12 volts.

- 5) Connect the black wire from the Shift Minder to ground.
- 6) Connect the green wire from the Shift Minder to a tach signal source. If you have a tach output signal on an ignition box, connect this directly to the green wire of the Shift Minder. If you have an inductive ignition, you can get a tach signal from the ignition coils by using the included coil adapter. Connect a black leg of the coil adapter to the ignitor (minus) side of each coil. For single coil applications the second black leg of the coil adapter is not used. Connect the green leg of the coil adapter to the green wire of the Shift Minder (see wiring diagram).
- 7) Plug the Shift Light into the Shift Minder connector with the brown and white wires.

The Shift Minder can be set to activate the Shift Light at any RPM from 4,000 RPM to 11,875 RPM in 125 RPM increments. When all 6 switches on the front of the Shift Minder are down, the Shift Light will come on at 4,000 RPM (base RPM).

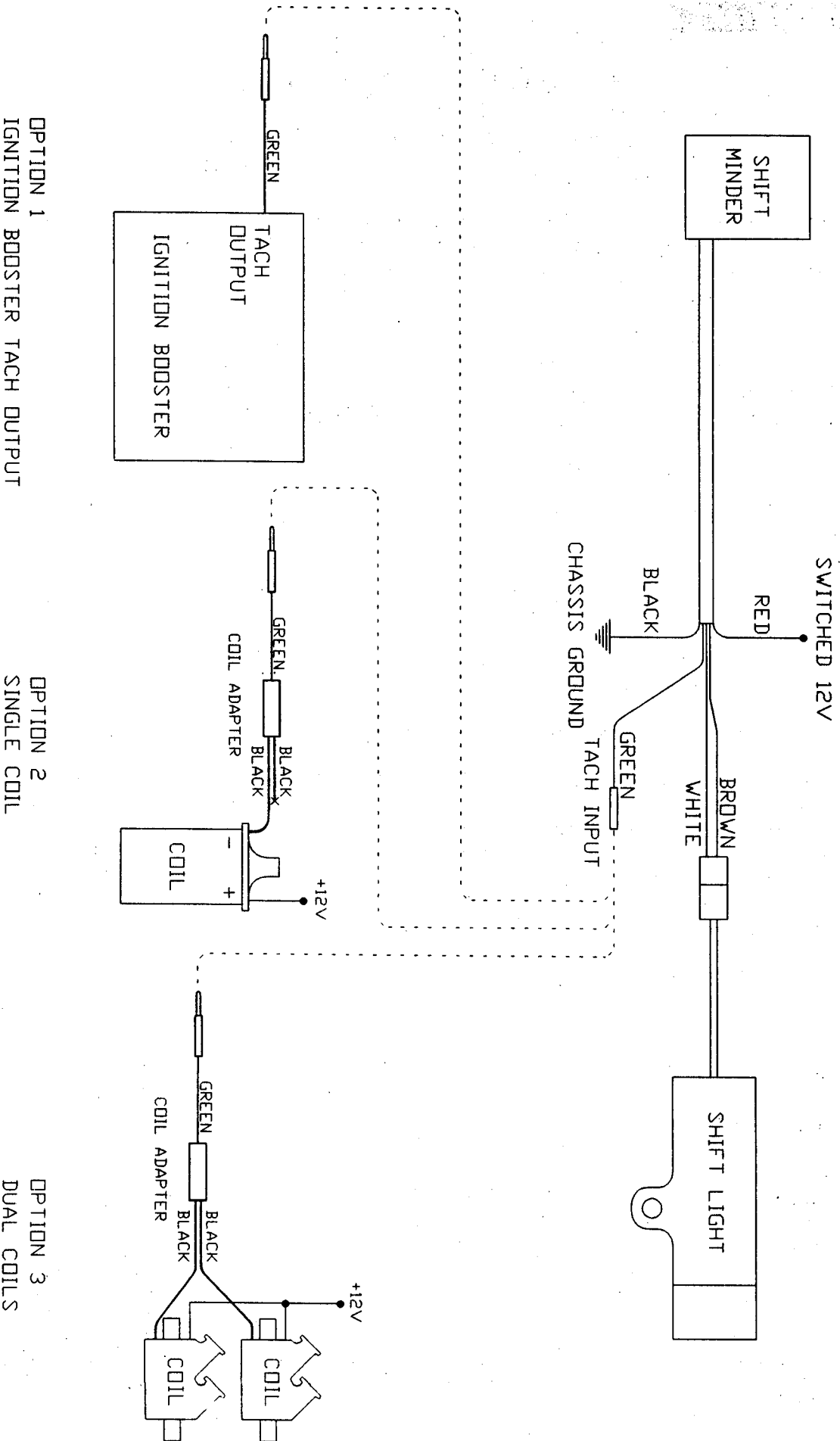
Raising switch 1 will increase the setting by 4,000.
Raising switch 2 will increase the setting by 2,000.
Raising switch 3 will increase the setting by 1,000.
Raising switch 4 will increase the setting by 500.
Raising switch 5 will increase the setting by 250.
Raising switch 6 will increase the setting by 125.

When all 6 switches are up, the Shift Light will come on at 11,875 RPM.

BULB TEST FEATURE:

The DSM-2 Shift Minder has a bulb test feature which turns the Shift Light on for a short period when the power is first turned on. This feature can be disabled by cutting the green wire loop on the back of the Shift Minder.

SHIFT MINDER WIRING DIAGRAM



TACH INPUT WIRING OPTIONS