

INSTALLATION INSTRUCTIONS

DRAG SPECIALTIES LOW FUEL LIGHT CAP P/N 0703-0304 AND 0703-0305

ATTENTION INSTALLER

(if other than owner): Please forward this Instruction Sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

INTRODUCTION:

These instructions describe the procedure for properly installing the Low Fuel Light Cap.

Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations.

NOTE: A NOTE provides key information to make procedures easier or clearer.

CAUTION: A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

WARNING!: A WARNING indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.



0703-0304

0703-0305

set the desired fuel level you want the unit to turn the low fuel warning on at by either draining or adding fuel. Once at the desired fuel level, with the key on, press and hold the switch at the back of the cap until the light starts to flash, release the switch and the unit will flash a few more times saving the level and then remain on indicating a low fuel condition. The warning point can be reset as many times as you wish. The warning point is also saved in memory so the battery can be disconnected without having any affect on the gauge setting.

NOTE: Remember to set the warning level with the bike in the upright riding condition so fuel is not higher in one half of the tank by being over on the stand. This will help give a more accurate level and reading.

OPERATION

Once properly installed the light will flash briefly on power up and then go out (assuming there is enough fuel in the tank). Once the user set warning point is reached the light will illuminate to indicate a low fuel condition.

There is a delay in the update to prevent the light from turning on prematurely if you are getting close to the set point and fuel is sloshing from cornering or stop and go driving.

TROUBLE SHOOTING

There are several error conditions built into the unit that are displayed by flashing the LED:

- A)** Two short flashes and then remaining on for a short time, then repeating is an open send error. Check sensor connections.
- B)** Two short flashes and then turning off for a short time, then repeating is a sender wiring short. Check wiring and verify sender operation.
- C)** The unit also does a brief flash when power is first applied. If you are not seeing this flash, double check power and ground connections. If the light remains lit, the warning point is set incorrectly; try resetting at the desired fuel level.

WARNING!: Before operating motorcycle, be sure all hardware is tight.

PROCEDURE:

The low fuel light has four wires coming from it:

Orange	+12V fused keyed power
Yellow	Fuel sender
Gray	Fuel sender voltage output
Black	Ground

The unit will connect just like a factory fuel level gauge and pin-outs are identical at the four-place amp connector under the tank. Only three positions are used; the pin-outs and connections are listed below.

OEM Colors	Operation	Gauge Color
Orange	+12V fused keyed power	Orange
Yellow/White	Fuel sender connection	Yellow
Black	Ground circuit	Black

GRAY WIRE

The gray wire from the gauge is only used on 2004 and later models. if you're working on a 2003 or earlier model, the wire can be cut off right at the back of the gauge and not be used. For 2004 and later models, this wire needs to be routed to the back of the speedometer and connected to the Yellow/White wire at pin 9 of the speedometer. Cut the wire and cap the end that runs back into the bike harness, and attach the gray wire to the Yellow/White that runs only to the speedometer. This wire simulates a fuel level voltage that will prevent the low fuel light on the gauge from turning on and also prevents the gauge from setting diagnostic trouble codes B1004 and B1005 which indicate the fuel sender is out of voltage

SETTING THE TURN ON POINT

The warning point, or turn point, is fully adjustable by the user and can be set at any fuel level. With the gauge fully wired,

