

Micro DYNAMICS

DIGITAL SERIES

SWIFT SHIFT - DSS3 Shift Light, Rev Limiter & Full Throttle Gear Shift (for twin coil applications)

MicroDYNAMICS' Swift Shift digital rev limiter provides up and down gear shift indication, a full throttle gear shift function and protection against over revving which can easily lead to serious engine damage. Its precise microprocessor control provides high accuracy, reliability and ease of use in a compact size.

- Features:**
- Dual rev limits for full throttle gear shift (FTG.)
 - Ultra bright Up/Down gear shift LEDs
 - Digital accuracy
 - Half speed set
 - Easy re-set
 - Adjustable to any limit between: 1,000 - 40,000 sparks / minute. (e.g.: 500 RPM to 20,000 RPM on 4 cylinder engines.)
 - No-loss back up memory
 - Simple to fit

Applications: Twin coil and distributor. Negative earth systems. All contact breaker, optical, and most transistorised and ECU controlled ignition systems. Not for use with capacitive discharge ignition.

Distributed throughout the world by:

Autocar
ELECTRICAL EQUIPMENT CO., LTD

49/51 Tiverton Street, London SE1 6NZ U.K.
www.autocar-electrical.com

Micro Dynamics is the trademark of
Autocar Electrical Equipment Co. Ltd.

Thank you for choosing a quality MicroDynamics product.

Before commencing any installation, it is recommended that the vehicle's battery is first disconnected.

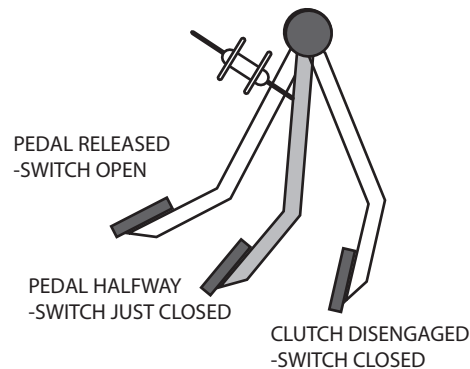
Installation Procedure

Clutch switch

Mount the clutch switch (supplied) above the vehicle's clutch pedal or in any position along the clutch activator linkage, such that the switch is partially compressed and therefore open circuit when the clutch pedal is released.

Some production cars are equipped with a threaded mounting hole above the clutch pedal into which the clutch switch can be installed. If the vehicle does not have this mounting hole, a bracket arrangement will have to be fabricated.

Whatever the mounting arrangement, the clutch switch must have good electrical contact with the vehicle's chassis EARTH.



Note:

It is most important to ensure that the switch is adjusted so that electrical contact is made before the clutch is disengaged. This will determine that the maximum rpm is not exceeded when the Full Throttle gear change is activated.

Swift Shift

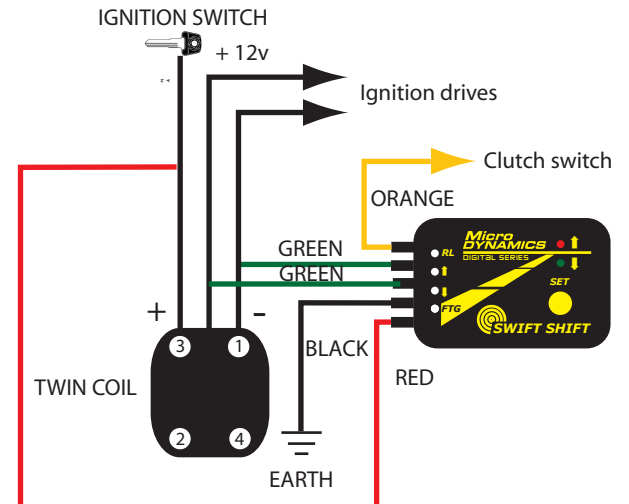
Select a suitable mounting position on the dash board so that the gear shift LEDs are visible to the driver and the unit is close enough to the clutch switch to connect the ORANGE wire.

Using a 2mm hex (Allen) key, remove the bracket from the Swift Shift unit. Fix the bracket to the vehicle using two #6 screws supplied (a 3mm hole will need to be drilled for each.) Once in place, fit the Swift Shift unit on to the bracket and replace the bolts. Adjust the angle of the unit and tighten the bolts. Take care not to over tighten as this could result in damage to the unit. Alternatively, use a double-sided adhesive pad to fix the Swift Shift unit to a convenient flat surface.

Connect the BLACK wire to a good earth using the #10 screw and ring terminal (supplied), having first drilled a 4mm hole.

Locate the wires connected to the ignition coils or coil pack. Identify the 12 volt supply wire and the two ignition drive wires. With the ignition switched off and using the blue T-splice connectors (supplied), connect the RED wire onto the supply wire and a GREEN wire to each of the ignition drive wires.

Next, connect the ORANGE wire using the bullet crimp connector (supplied) to the clutch switch.



Lit code: 90290

