

OBR GEAR KNOB

ENHANCED TEMPERATURE STABILITY AND CONTROL

NEW FOR 2011

OBR's gear knob has been extensively enhanced to produce a system that performs under higher temperature conditions and delivers second to none shift control



Features

OBR are proud to release the very latest in Power shift gear lever technology.

After extensive testing in the likes of Toyota's Auris S2000 rally car, as well as in other leading manufacturer cars, OBR gained vital information and feedback that has led to impressive enhancements to our existing gear level.

Through this rigorous development it has been discovered that the operational stability of the gear knob should encapsulate a much wider and higher range of temperature conditions (up to 85 deg C). By developing this 2nd generation gear knob to these requirements makes the OBR gear knob the best in the market at dealing with the reality of in car heat transfer issues.

The gear knob's built in strain gauge generates a signal which falls or rises depending on it's direction of movement. The signal strength produced is dependant of the force applied to the gear knob.

It is possible to adjust the output voltage sensitivity (in 16 steps) so that the force applied on the knob suits the actual force required to turn the selector barrel in the gearbox and hereby changing gear.

Together with the settings in the engine management system you can optimise the force and signal to obtain a perfect and smooth gear change.

By selecting setting # 9 this will leave the output signal resting at 2.5 volts. This has proven to be a common setting when the gear knob is required to send a trigger signal to the ECU in order to detect between up shifts (signal drops low) and down shifts (signal rises)



System Overview

- Milled and polished aluminium knob
- Simple to install (3 wire system)
 - 12 Volt
 - Signal
 - Ground
- Separate control settings box allowing 16 steps
- Customisable min and max settings for force required by driver to change gear
- Compatible with engine maps

Dimensions

- Over all Height = 100mm
- Diameter = 37mm
- Thread = M20 x 1.5
- Thread Depth = 20mm
- Custom cable lengths available

Connectors

- ASL6 06-05 PN HE connector
- ASL1 06-05 SN HE mating half

Conditions for Use

- Temperature range -30...85 degrees C
- Power supply 12 volts

