

# Club-Sport Shift Kit

## Model TBC



SHIFTEC

### Introduction:

Shiftec Shift Kits are designed to allow easy installation of Paddle Shift onto most vehicles fitted with a sequential gear box and drive by wire throttle. They include all required hardware, installation instructions and provide the option of a Shiftec Gear Control Unit.

The Club-Sport Shift Kit has been developed for club and semi-pro motorsport and includes our Le Mans winning Gear Shift Servo. It can be optioned with a GCU-500 gear controller for stand alone operation or as a hardware only kit for use with an ECU featuring transmission control functionality.



### Kit Contents:

Gear Shift Servo – valve on actuator design with low air consumption and rapid system response time.

Pair of Single Paddles – magnetic micro switched paddles, proven in world motorsport.

Integrated Accumulator – with air filter and system pressure sensor integrated into the accumulator.

Integrated Accumulator Mounts – Lightweight 3D printed mounts.

Compact Compressor – high efficiency and easy packaging size.

Motorsport specification universal wiring loom with DTM Connectors

Dash 4 Air Hose Kit – With aluminium fittings and lightweight, abrasion resistant hose.

### GCU Option Kit Contents:

GCU500 Gear Control Unit – compact and lightweight gear controller with DTM connectors.

Shift Kit – GCU500 Loom – Motorsport specification wiring loom with DTM connectors.

USB Comms Cable

Pneumatic systems • Paddle shift • Clutch control • DRS • Boost control

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### System requirements:

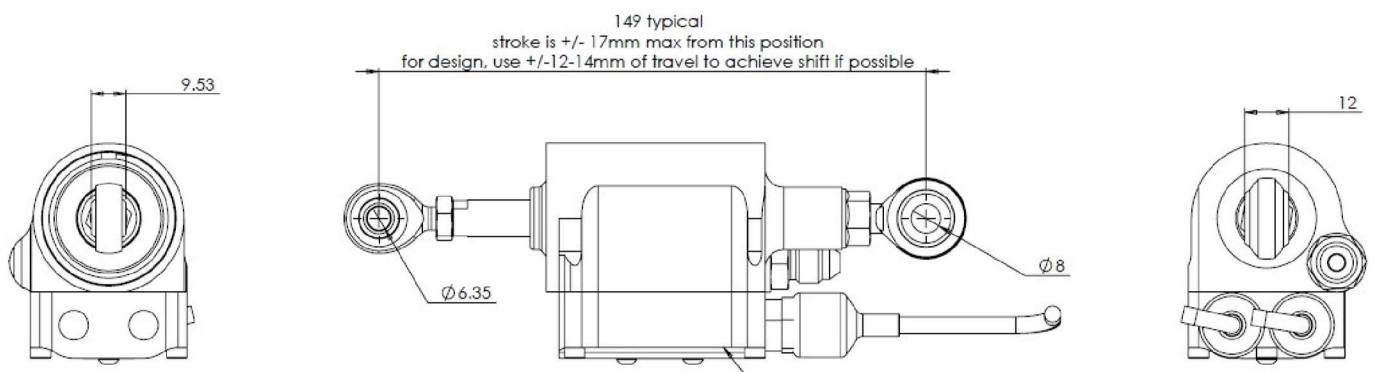
Ambient working temperature	.....	-10 to +70 °C
Voltage range	.....	8-16 V
ECU Compatibility	.....	Any supporting transmission control or CAN/Analogue Cut/Blip request with GCU500 option.
Gearbox Compatibility	.....	All sequential gearboxes.
Installation notes	.....	See Shift Kit Install Manual

### Technical data:

Valve response time	.....	<10	msec
Maximum operating pressure	.....	10	bar
Actuator stroke	.....	+/- 17	mm
Air system fitting size	.....	Dash 4	JIC male
Actuator mounting rod ends	.....	¼	inch on rod
	.....	8	mm on body
System Weight	.....	>4	kg
Accumulator Mounting	.....	M6	Bolt down.

### Kit Component Dimensions:

Gear Shift Servo:



Pneumatic systems • Paddle shift • Clutch control • DRS • Boost control

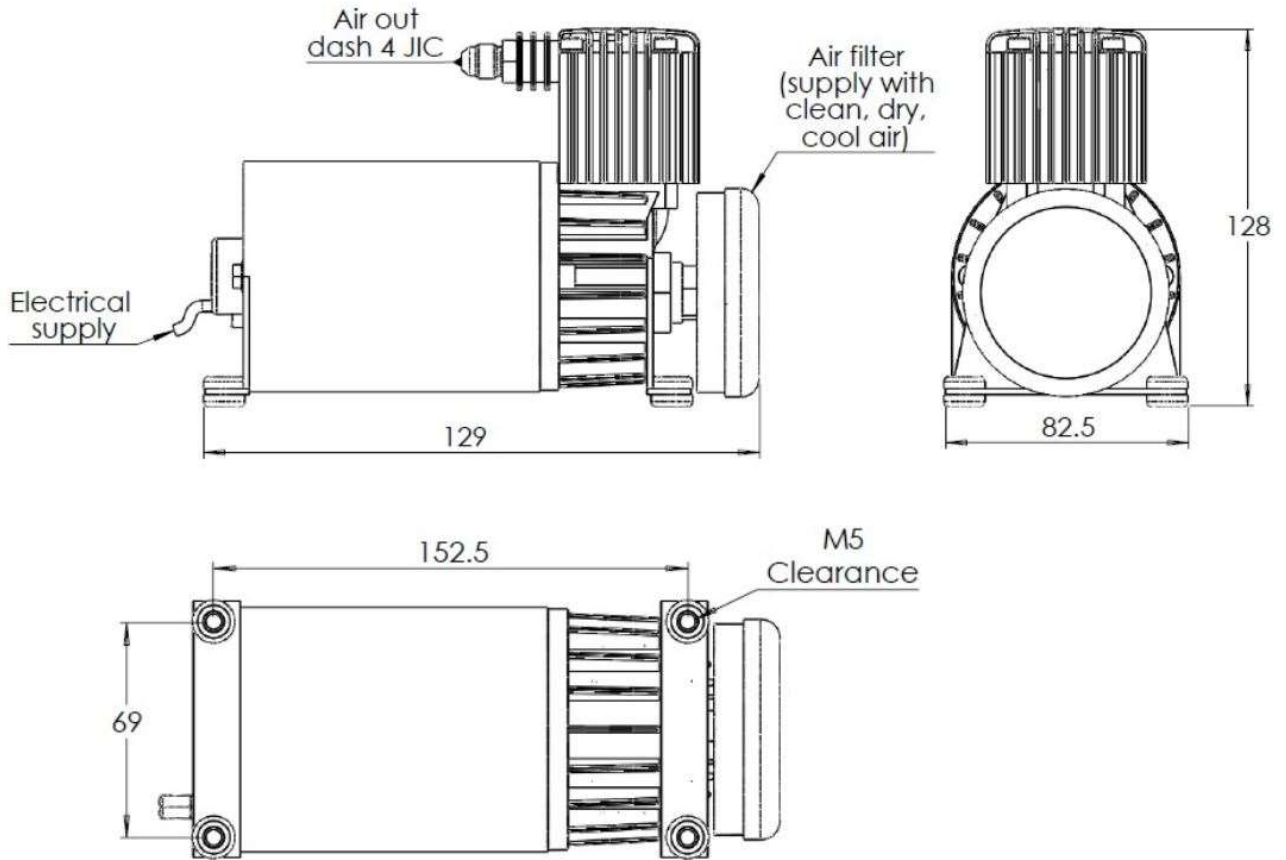
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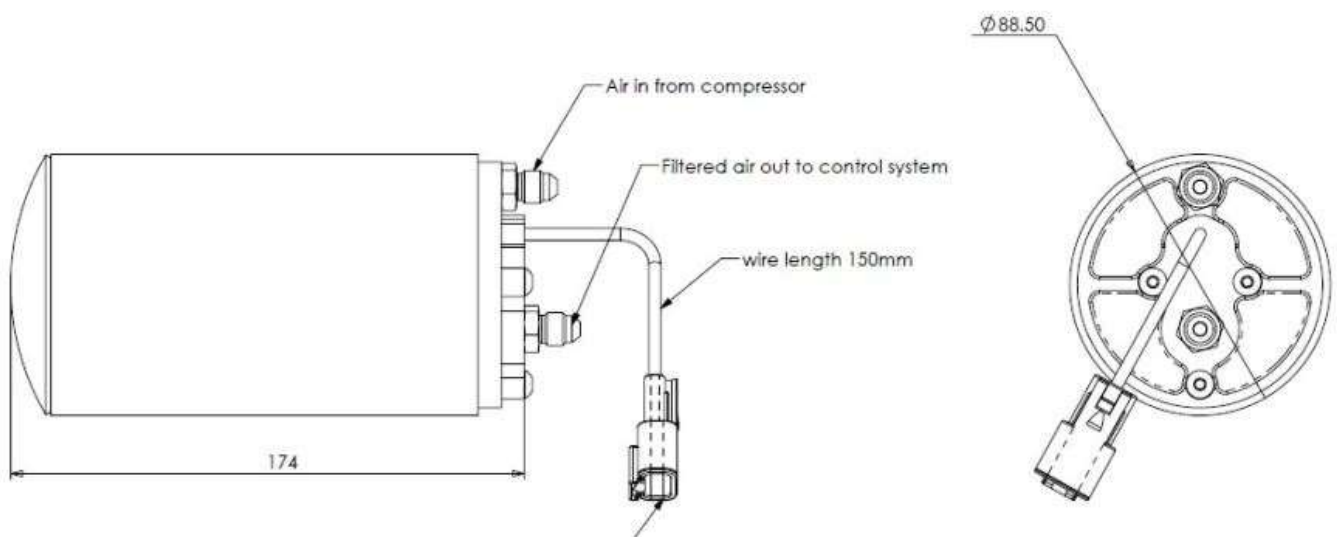


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### Compact Compressor



### Integrated Accumulator



Pneumatic systems • Paddle shift • Clutch control • DRS • Boost control

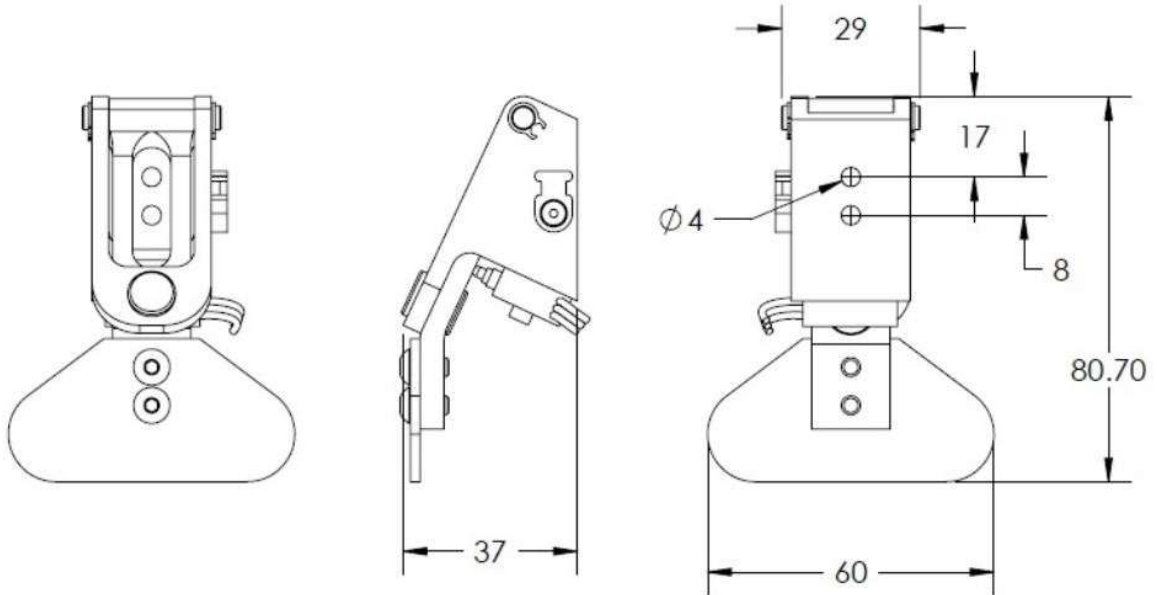
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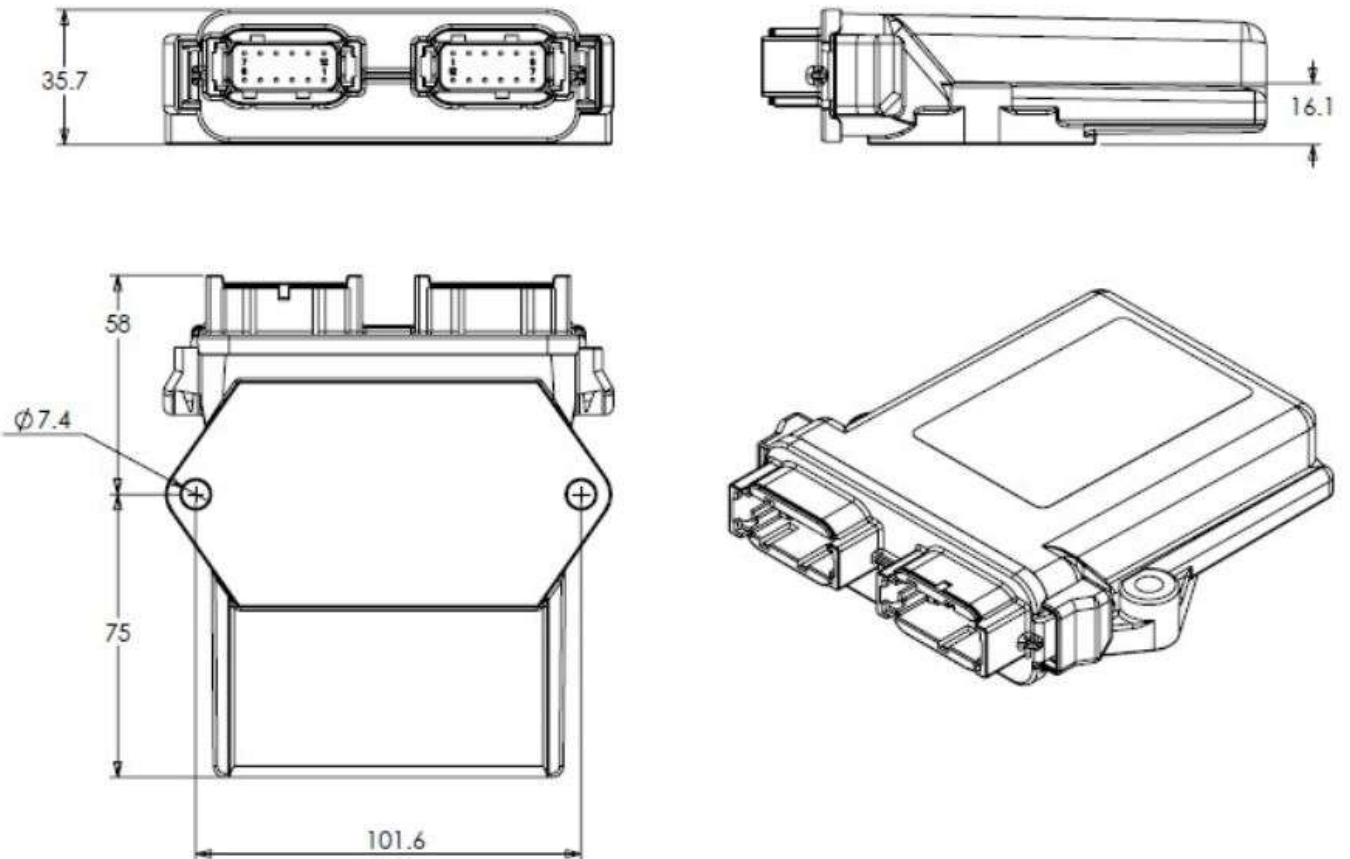


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### Single Paddle



### GCU500 Optional Upgrade:



Pneumatic systems • Paddle shift • Clutch control • DRS • Boost control

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### Ordering information:

Description	Part number
SKCS – Club-Sport Shift Kit	Z

### Installation information:

Description	Location
Shift Kit Installation Manual	<a href="http://www.shiftec.com/shop/TBC">www.shiftec.com/shop/TBC</a>
Shift Kit GCU 500 Option Installation Manual	<a href="http://www.shiftec.com/shop/TBC">www.shiftec.com/shop/TBC</a>
Configuring Third Party ECUs For Use With Shiftkit	<a href="http://www.shiftec.com/shop/TBC">www.shiftec.com/shop/TBC</a>
Shift Kit Quick Start Guide	<a href="http://www.shiftec.com/shop/TBC">www.shiftec.com/shop/TBC</a>

Pneumatic systems • Paddle shift • Clutch control • DRS • Boost control