

BD_SW_7BC_04 Seven function handlebar race switch

- **Ducati V4 , V4S 2018 > 2024** (excludes G7 versions from Aug 2024 onwards)
- **V4R from 2019 > 2025**

This switch is a direct replacement for the standard left hand multi-function switch assembly found on the Ducati V4, it features all of the standard controls needed for a track bike in a billet machined aluminium body. But has none of the road bike functions such as headlights, turn signals, horn.

The kit includes

- 1 x left switch assembly 7BC-04
- 1 x LIN Control module KT146

Each switch is IP67 sealed featuring gold contacts and connects to the bike via a 'plug n play' external control module via high temperature Raychem race wire. No modification of the bike wiring or steering stops are necessary

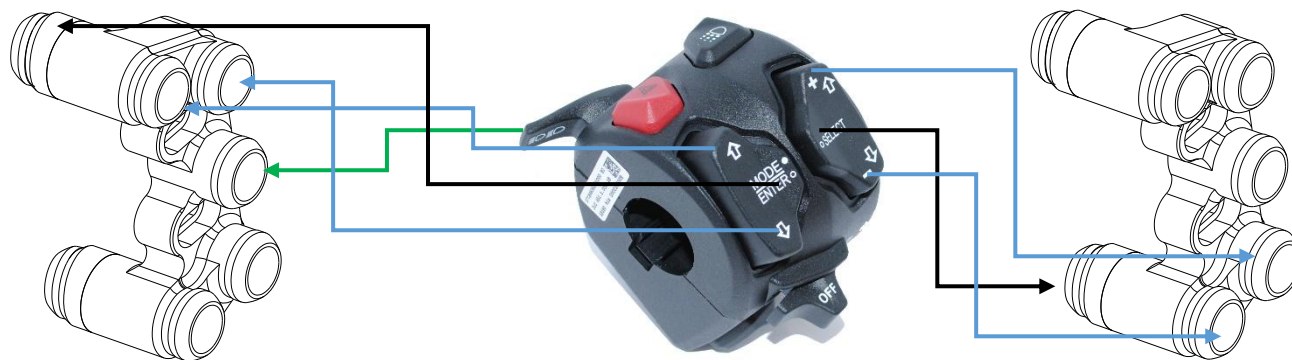
Your existing bike wiring loom simply plugs into our control module located near the ignition switch under the fuel tank cover. This also protects the bike wiring against crashing as it would not be damaged in the event of losing the left switch (handlebar) in a crash.



Controls are grouped ergonomically so the most important rider mode functions are close to the thumb in the lower section of the switch.

This leaves the dash layout controls in the upper section as these are not typically needed during performance riding

Supplied with clutch mount clamp with left/right position adjustment and space saving for bikes with thumb brakes



	Text on switch	Function
BLUE	↕	Dash mode UP function
BLACK	↕	Dash mode DOWN function
BLACK / REAR	MODE / ENTER	Dash MODE / ENTER function
GREEN	LAP	Lap Set and Flash headlight function
BLACK	+	Rider control PLUS function
BLUE	-	Rider control NEGATIVE function
BLACK / REAR	SELECT	Rider control SELECT function

Matching products for the right side

Bike Sport Developments Ltd

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For customers who want a matching right side switch on **V4** and **V4 S**

Order part number **BD-SW-3B-15** for handlebar mount

Order part number **BD-SW- 3BC-15** for brake pump mount



For customers who want a matching right side on **V4R**

Order parts number **BD-SW-4BC-18** which mounts on the brake pump and includes the pit limiter switch.



Fitting instructions

1. Remove the front fuel tank cover
2. Remove the ignition key lock cover panel
3. Remove the left side handlebar weight and rubber grip
4. Pull out the electrical connection from the standard switch block. This is just a snap fit, there is no latch to release.
5. Use Ducati tool 887134967 or Bike Sport Developments tool BDD1734 to release the retaining clip and slide the standard switch cluster off the handlebar.
6. Fit the new BD-SW-7BC-04 switch cluster to the handlebar. IMPORTANT :
7. Route the wire following the clutch line and then route to the right side of the ignition switch as shown in the pictures
8. Re-route the standard switch connector back under the fuel tank cover and leave on the right side of the ignition switch
9. Plug the standard bike wiring (6 way min-block connector) into the KT146 control module and secure in place using the small cable tie we supply in the kit. There is a loop in the plastic body of the control module for this.
10. Plug in the white 8 way from the new switch cluster to the KT146 module
11. Re-fit the handlebar grip and bar end weight.
12. Re-fit the ignition cover panels and fuel tank cover.
13. System can be verified as working simply by using the controls to navigate within the dashboard as normal
14. Note : If when turning ON the ignition you have the hazard warning lights flashing, re-check all connections.

Electrical / Mechanical Characteristics

Wire..... Type 55 / 24
Switch sealing..... IP67
Housing.....Aluminium

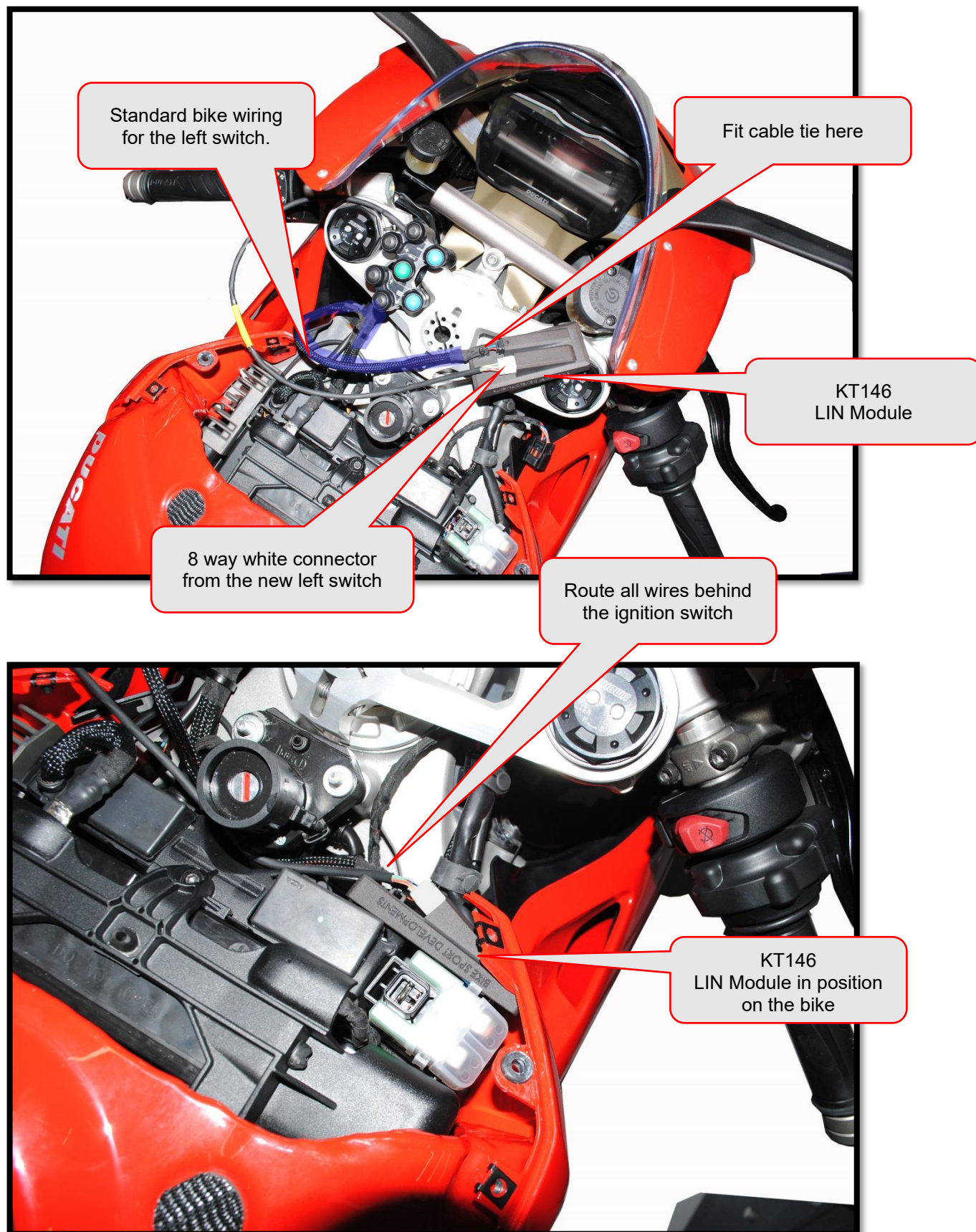
Coating.....Black anodise
Dia (handlebar)22mm (7/8")

Ordering Information

Part No.	Connector	Description
BD-SW-7BC-04 **	'plug n play'	7 button handlebar switch – Ducati V4, S and R plus one clamp of your choice, see page 4 ** - Choose appropriate clamp from the parts listed on page 4. One free clamp per switch assembly

Module installation / wire routing

this image shows an alternative switch, but fitting is the same for 7BC switch



Mounting - These 'Type C' switches can be mounted directly onto the original clutch assembly replacing the standard 2 bolt clamp with our new clamp (CL-A clamp fits the standard clutch post). Or directly to the handlebar using the BR-G generic clamp as this offers the maximum versatility of installations.

Clamps

CL-A – To suit 32mm in-line clamp bolts – To suit the standard clutch and Brembo RC

CL-K – To suit 36mm in-line bolts as found on Kawasaki

CL-B – To suit 30mm offset bolts – Brembo XR , XA , GP

CL-F – To suit 30mm in-line bolts as found on Accosato / Hel

CL-J – To suit 32mm offset bolts as found on Beringer

BR-G - Generic clamp for direct handlebar mounting.

We will supply clamp **CL-A** to suit the standard bike

These clamp designs use far less space on the handlebar than conventional switch bodies and are fully adjustable.

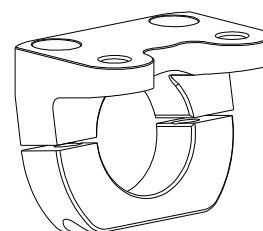
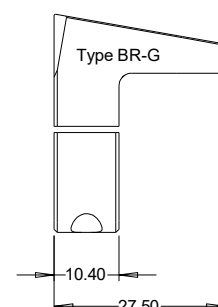
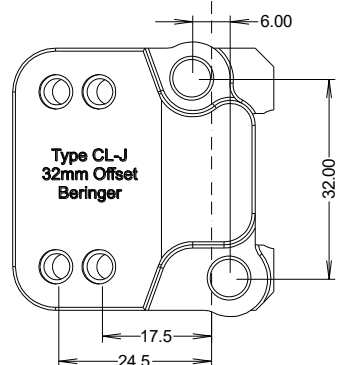
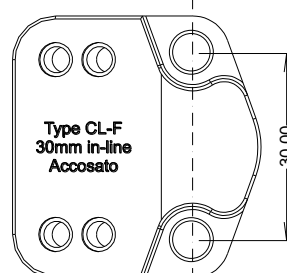
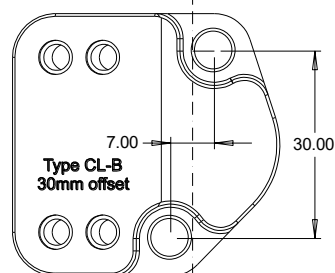
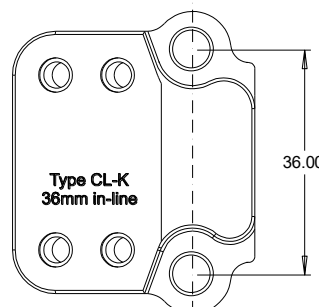
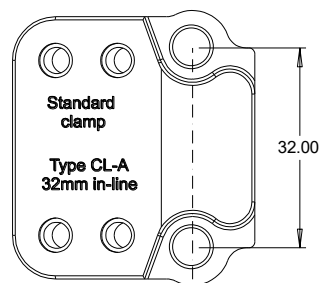
Mounting - These switches mount directly onto our own clutch post clamp and are adjustable left / right to suit the rider



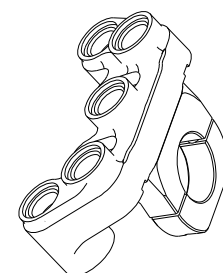
0.5mm of gap – Used for tightening the clamp.
21.5 > 22.2mm dia bar

IMPORTANT CL-A, CL-B, CL-K
Tighten the UPPER bolt first to achieve metal to metal contact, then use the lower bolt to clamp onto the handlebar

Clamps are also sold separately so there is no need to replace the switch if you change your clutch post.



Type G
Generic clamp
Left or Right
Can be used with any of our switch designs



LEFT ←