

**AUTOMATED THROTTLE BLIP SYSTEM
YAMAHA R1 09-11**

**TECHTRONICS RACING
NEW ZEALAND**

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Introduction
Thank you for choosing the Techtronics CABS Downshifter for your Yamaha 09-11 R1. Please read the fitting instructions carefully and fully before fitting the system.

The CABS Downshifter executes an automated throttle blip when you downshift. The system is triggered from the clutch lever switch and works with the brake lever to ensure that it only blips during downshifts while braking.

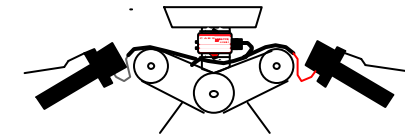
This product is designed for use on a race circuit and not on the road. The unit should be switched off until entering pit lane.

Fitting Instructions.

- 1/ Remove the upper fairing so that you can get access to the ecu which is located on the upper front left of the frame.
- 2/ Find the 3 Wires shown in Fig 3 which are located on the smaller of the 2 ecu plugs
- 3/ Fit the Blue, White & Black loose Positap connectors as described in Fig4 to the correct Blue, White & Black ecu wires as shown in Fig3
- 4/ Fit the loose Yellow Positap connector to the White wire coming from the 6 Way Yamaha Gear Position connector that is located at the back of the engine, follow the cable back that comes from inside the gearbox to locate the plug.

5/ You can mount the control box on the box section spar that supports the instruments using the long cable ties supplied. Route the loom as shown in Fig 1. Make sure the loom is not taught when you move the bars from lock to lock, and make sure nothing is being fouled.

Fig 1

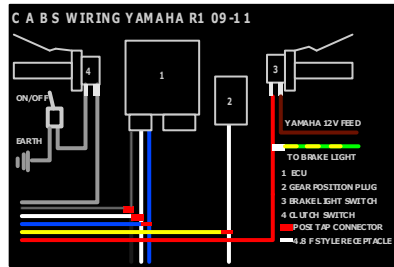


6/ Unplug the 2 Yamaha clutch switch wires from the clutch switch and connect them to the joiner tab link cable supplied with this kit. Plug the grey wire from the CABS loom to one of the tabs on the clutch switch and plug the tab connector from the on/off switch to the other clutch switch tab. The eyelet on the on/off switch is fixed to the rear 8mm bolt that holds the box section spar for the instruments to the frame.

7/ Unplug the light green/yellow wire from the Yamaha brake light switch and plug that into the red wire on the CABS loom and then plug the connector on the red wire from the CABS loom to the brake light switch. It is important that the correct wire is used on the brake light switch or the CABS system will trigger every time the clutch is pulled even if the brake lever is not pulled.

8/ Feed the CABS loom through the inside of the yokes and out to the ecu box and then through the frame down to the back of engine and plug all the Blue, White, Black and Yellow connectors to the Positap wires you fitted earlier.

Fig 2



9/ Check that loom is not being pulled or chafed and use cable ties to secure it in place.

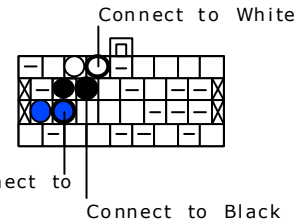
The system is now ready to use. If the throttle blip is too big or small for your style use the adjuster to increase or decrease the settings. Only make small changes at a time as the consequences of having the blips too large could impact on your ability to change down smoothly and safely.

PLEASE NOTE

THIS SYSTEM IS DESIGNED FOR USE ON A CLOSED CIRCUIT FOR SPORT RIDING AND RACING USE ONLY

Fig 3

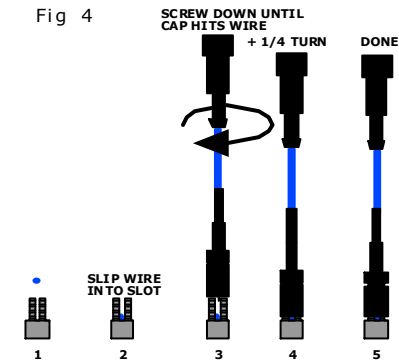
ECU COLOURS (ECU VIEW)



There are 2 sets of colours on this plug, only connect to the colours as shown in Fig 3. ONLY CONNECT TO WIRES IN THE EXACT POSITION AS SHOWN ABOVE. THE WIRES WILL BE IN THIS POSITION

**FITTING POSITAP CONNECTORS
NOTE DO NOT BEND BLUE POSITAP**

Fig 4



Positap can be fitted without damaging the wire by not overtightening. Fit to Yamaha wires before plugging into loom. DO NOT BEND SLEEVE ON BLUE POSITAP