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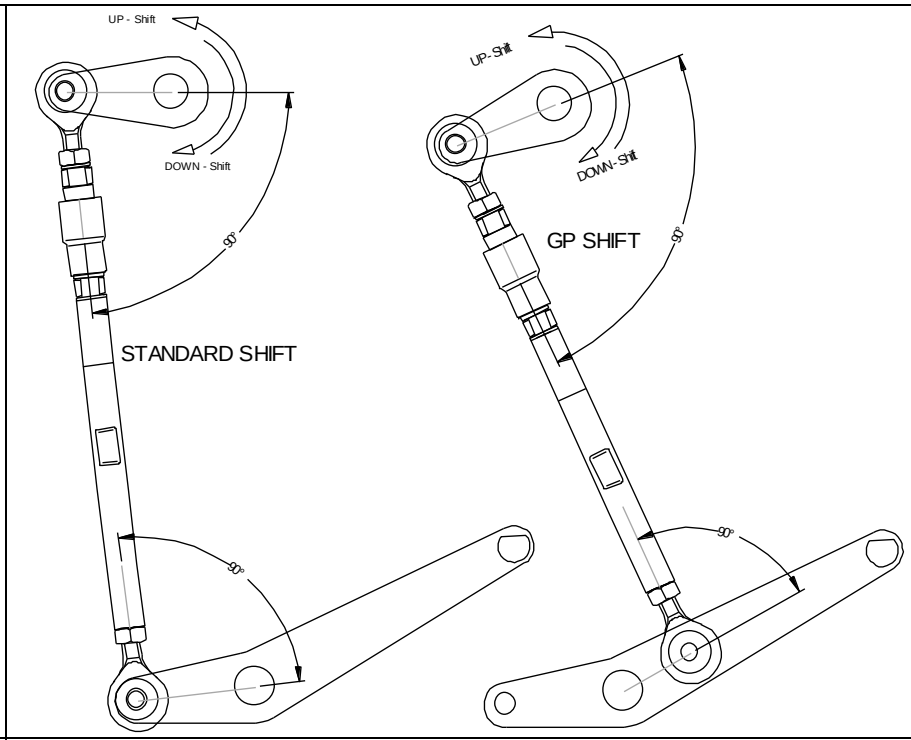
Yamaha R1 / R6 / MT10 – Blip Box setup options

Type - 1

This is the standard shift layout with the engine shift lever pointing forwards. Can be used for Road shift and GP shift.

Program the shift sensor as Type – 1 (single LED flash on the shift sensor control box)

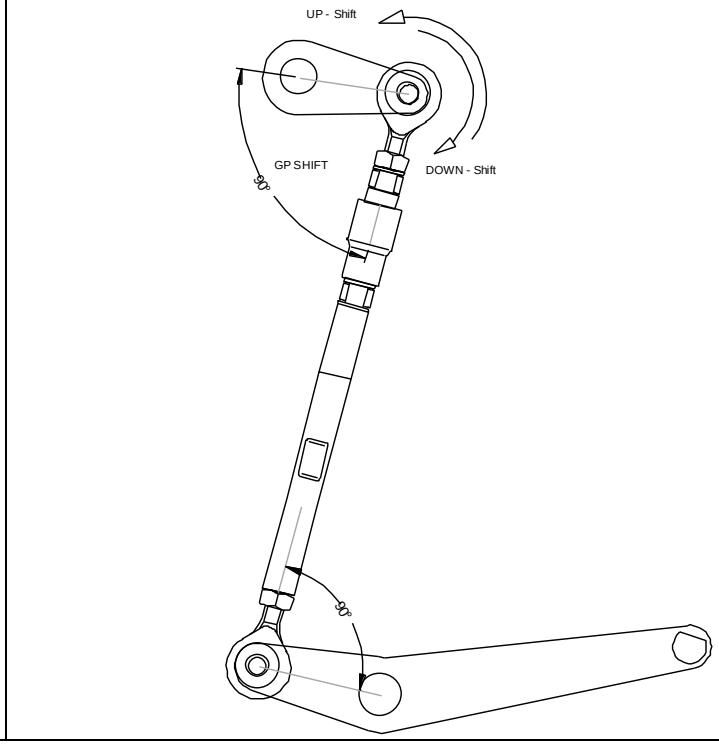


Type - 2

This layout is used by some GP shift levers and the engine lever is reversed backwards

This layout is used for GP shift and the engine lever is reversed backwards

Program the shift sensor as Type – 2 (Double LED flash on the shift sensor control box)



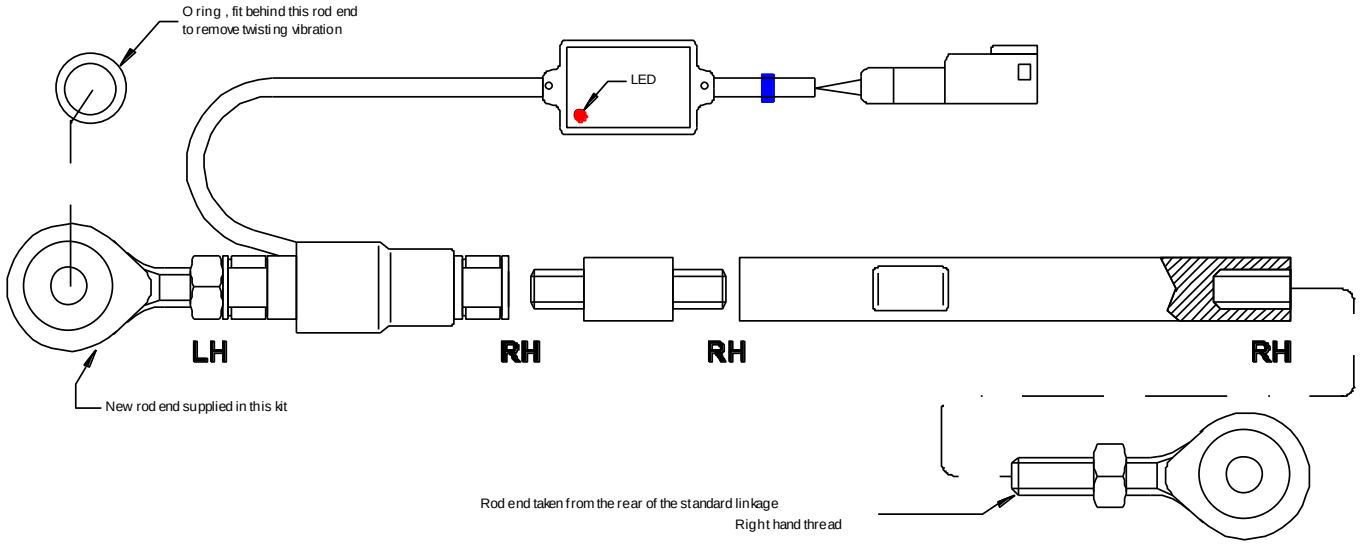
Tip : Always try to achieve 90deg angles between all linkage positions when ‘at rest’ this ensures an equal force measurement in both directions.

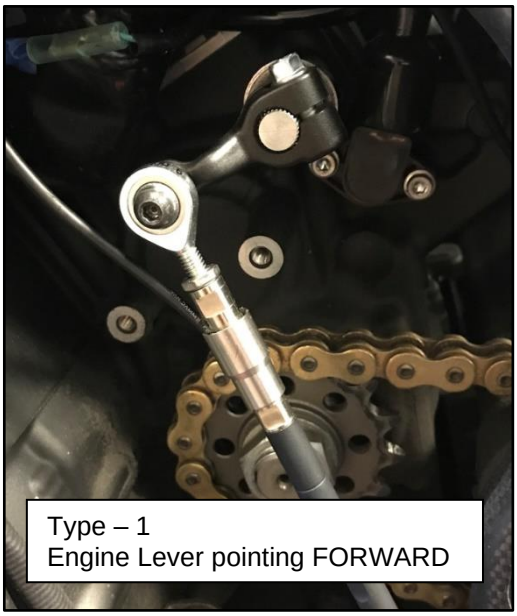
At ‘power ON’ the red LED on the sensor control box (see drawing below) will flash once to suit a ‘Type-1 setup, or twice to suit a Type-2 setup.

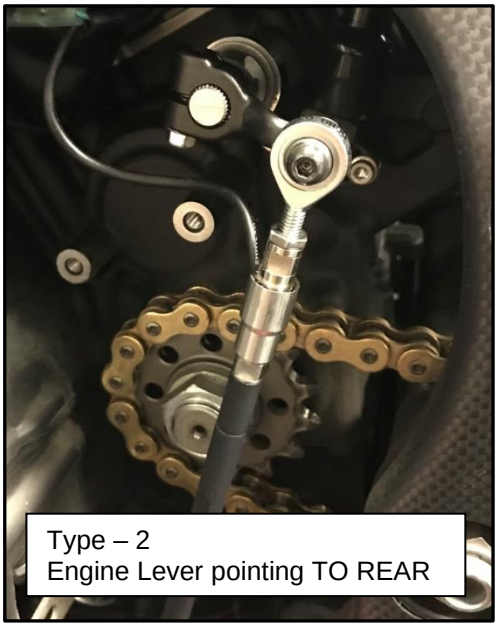
The user can easily swap between these modes via a ‘self-teaching’ process, see page 2.

By default all Blip Box are supplied pre-programmed as ‘Type-1’

Tuning of the load cell force can only be done within the Win Blip software using the dedicated USB cable.







Type 1 – Voltage reduces with PUSH force – The sensor LED blinks once at power ON
Type 2 – Voltage reduces with PULL force – The sensor LED blinks twice at power ON

Important note, the LED blink referred to in this document is the LED on the sensor box, not the Blip Box LED.

Changing from Type 1 – (Single LED blink) to Type 2 (double blink)

a. Turn **OFF** the bike, wait at least 2 minutes for full shut down of the bike and the blip box
b. Turn **ON** the ignition, you will see the LED blink once, then the LED will go off
c. Wait 3-4 seconds then **Press and HOLD** on the gear lever as if you were going into 1st gear, this may be up or down depending on your rear sets, but it must be the 1st direction. The LED will start to blink rapidly and you have about 10 seconds to complete the next process.
d. Release the foot pressure, and then count **6 more** rapid presses in the 1st gear direction, and **HOLD THE PRESSURE** on the 6th press.
e. The LED will go out for a few seconds and you will now be shown 2 x blink of the LED to show you are now in Type 2 mode – Voltage reducing with PULL. You can now release the pressure, re-programming is complete

Changing from Type 2 (double blink), to Type 1 (Single blink)

a. Turn OFF the bike, wait at least 2 minutes for full shut down of the bike and the blip box
b. Turn ON the ignition, you will see the LED blink twice, then LED will go off.
c. Wait 3-4 seconds then **Press and HOLD** on the gear lever as if you were going into 1st gear, this may be up or down depending on your rear sets, but it must be the 1st direction. The LED will start to blink rapidly and you have about 10 seconds to complete the next process.
d. Release the foot pressure, and then count **6 more** rapid presses in the 1st gear direction, and **HOLD THE PRESSURE** on the 6th press.
e. The LED will go out and you will now be shown 1 single blink of the LED to show you are now in Type 1 mode – Voltage reducing with PUSH. You can now release the pressure, re-programming is complete

Tip: If you did not get any 'LED blink' at power ON, you did not wait long enough for a full power shut down.

Tip: If you do not want to wait, just disconnect and re-connect the shift sensor

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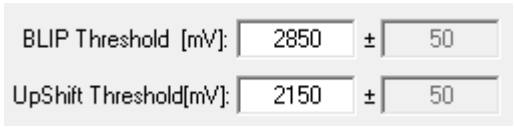
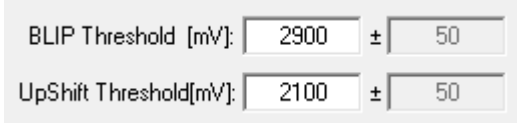
Suggested voltages for use with Blip Box and this new Cordona sensor.

Note that any Blip Box we supply with a silver Cordona load cell will already be pre-loaded with these values.

Yamaha R1	
Yamaha R6	
Yamaha MT10