

- English -



Signal Pickup Yamaha R3 SSP300 from 2019

Revision History

Revision	Description	Release Date	Author
0	Initial Release	2020-07-24	PB
1	Chapter 3.2 / Con pinning from Pin3 to pin5 Table form T_Yamaha to T_Yam-R3	2020-09-04	PB

1 ABS Signal Pickup

The 2D wiring loom that is supplied with the Datarecording set has a 8 Pin MQS Connector (see picture).

Below is an overview of the cables of the motorcycle, their colors, their meaning and where to connect them in the 2D Connector

You can either choose to use the cables from the Bike loom, or use the black / white cables from the sensors itself.

The 4 connector Pins that needed to be connected to your bike are highlighted with an asterisk*

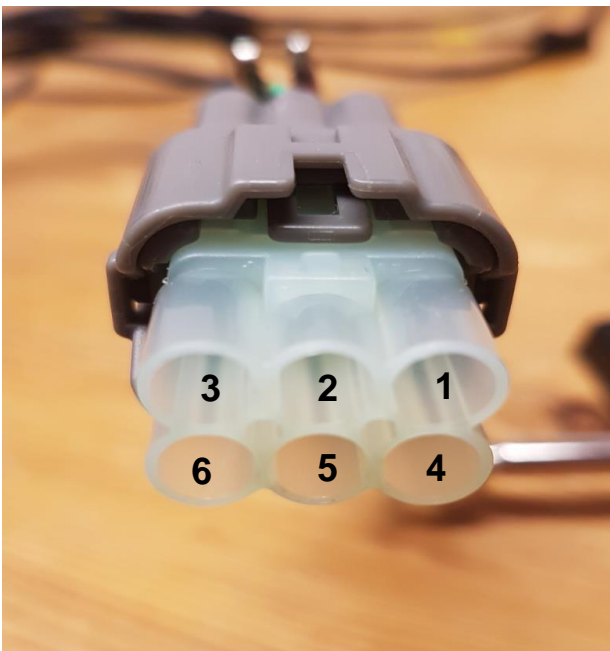
Pin	Function	Cable color Sensor	Cable color Bike Loom	Cable color, ABS sensor
1*	ABS sensor Rear-Low	Black	Brown	Black
2*	ABS sensor Front-Low	Black	Green	Black
3	V_Rear_Out	yellow		
4	V_Front_Out	Bleu		
5*	ABS sensor Rear-High	White	Yellow	White
6*	ABS sensor Front-High	White	Blue	White
7	12 V power	Orange		
8	Ground	Black		



After connecting the 4 cables to the connector, you can fit the 2D Speed Module IN-ABS_Speed_2CH-000 to feed the speed signals into the data recorder

2 Main Connector Pick Up

Pin	Function	Cable colorBike Loom	Remarks
1	VBat 12V		Use switched Power
2	RPM	Orange	ECU Pin 1
3	Throttle	Yellow	ECU Pin 10
4	Ground		
5	-	-	not used
6	-	-	not used



3 Temperature Pickup

The water temperature of the Yamaha R3 can be measured in two different ways:

3.1 With a 2D Temperature Sensor

By fitting a 2D temperature sensor to the T_Mot connector of the loom and mounting it into the cooling system.

To setup the T_Mot channel for this sensor, act as follows:

- Connect your PC with the Datarecording system, switch on the power.
- Switch to the Full User Interface (CTRL + Alt + K), go to Module → Channels → Analog → T_Mot and choose Table #5 “NTC_2D”.

3.2 Stock Temperature Sensor

Connect Pin 5 from the T_Mot connector (signal) to the Green / White wire from ECU Pin 41.

To setup the T_Mot channel for this sensor, act as follows:

- Connect your PC with the Datarecording system, switch on the power.
- Switch to the Full User Interface (CTRL + Alt + K), go to Module → Channels → Analog → T_Mot and choose Table #6 “T_Yam-R3”.