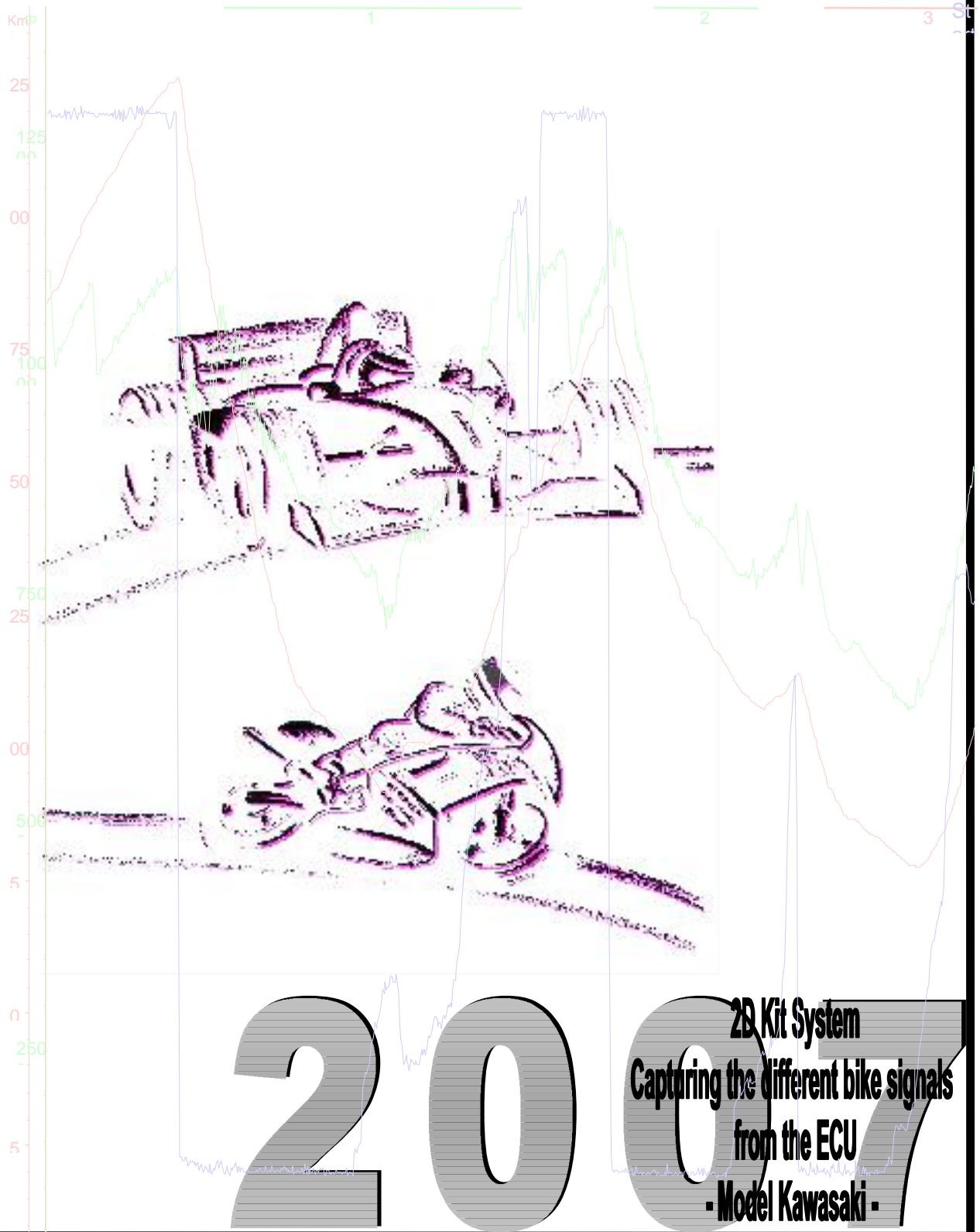


- English -





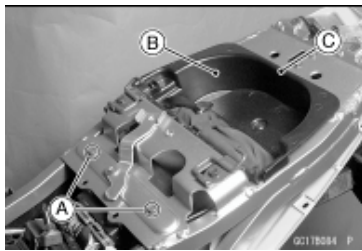
Kit System wiring information for Kawasaki ZX636R  
 ( Type: ZX 636 B model year 04 ` )  
 ( Type: ZX600 K model year 04 ` )

- Annex to the 2D Kit-System user manual -

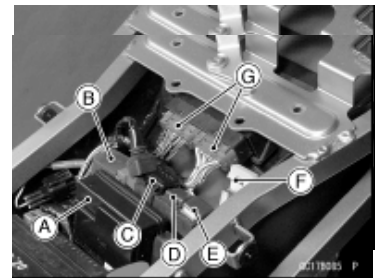
The 2D-Kit system uses the motorcycle sensor signals for: RPM (channel: rpm), Throttle (channel: throttle), motor temperature (channel: T\_Mot) and rear wheel speed (channel: V\_Rear). These signals will taken directly from the ECU of the bike:  
 For capturing these signals please follow the explanations step by step:

Removing the ECU first remove:

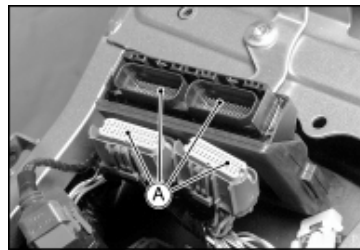
- passenger seat
- driver seat
- battery cable
- Screws [A]
- Shelf [B]



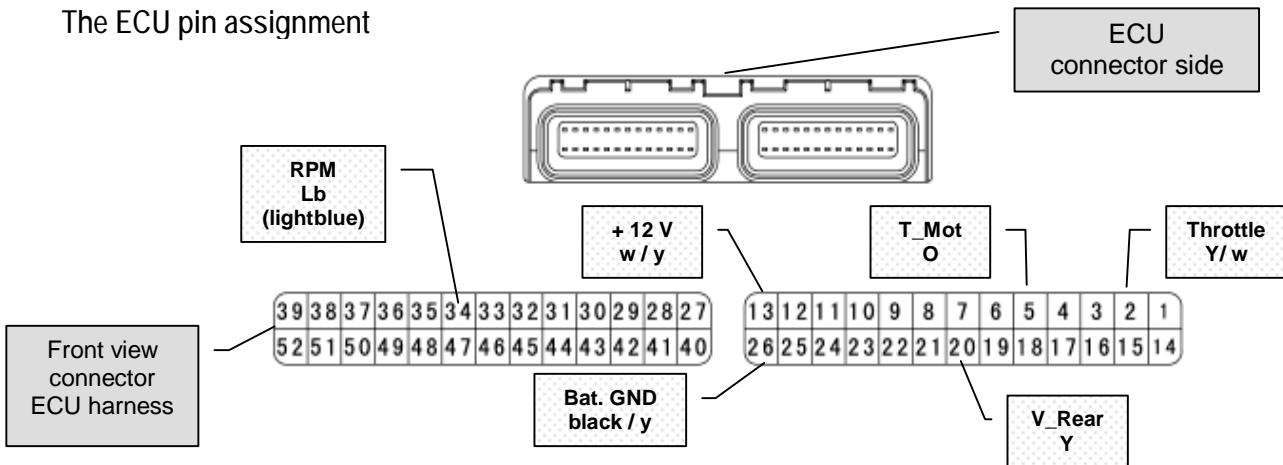
- Removing from the mounting tray:
- connection box [A]
  - starter relay [B]
  - turn signal relay [C]
  - fuel pump relais [D]
  - ECU main relay [E]
  - fuse box [F]
  - remove ECU plug [G]



View of the ECU with the connectors plugged off:



The ECU pin assignment



	+12 Volt	GND	Speed (V_Rear)	Throttle	RPM	Motor temp. (T_Mot)
2D cable color	Red	Black	Yellow	Brown	Green	Orange
Pin 2D (AMP)	34	25	6	3	15	5
Pin at ECU plug	13	26	20	2	34	5
Cable color at ECU plug	White / Yellow	Black / Yellow	Yellow	Yellow / white	Light blue	Orange

### Connecting the "2D Bike Adapter" to the corresponding cables of the ECU plug

To connect the sensor cables to the wire harness of the ECU with the "2D Bike Adapter" strip off the isolation of the cables of the ECU pins ([13]; [26]; [34]; [2]; [20]; [5]) at about 40mm from the ECU plug. Solder the corresponding cable of the "2D Kit-RWTT loom" (refer connection table on page two) to the stripped cable of the ECU wiring harness. **Don't forget to isolate the soldered junction completely with isolating tape or shrink tube afterwards!**

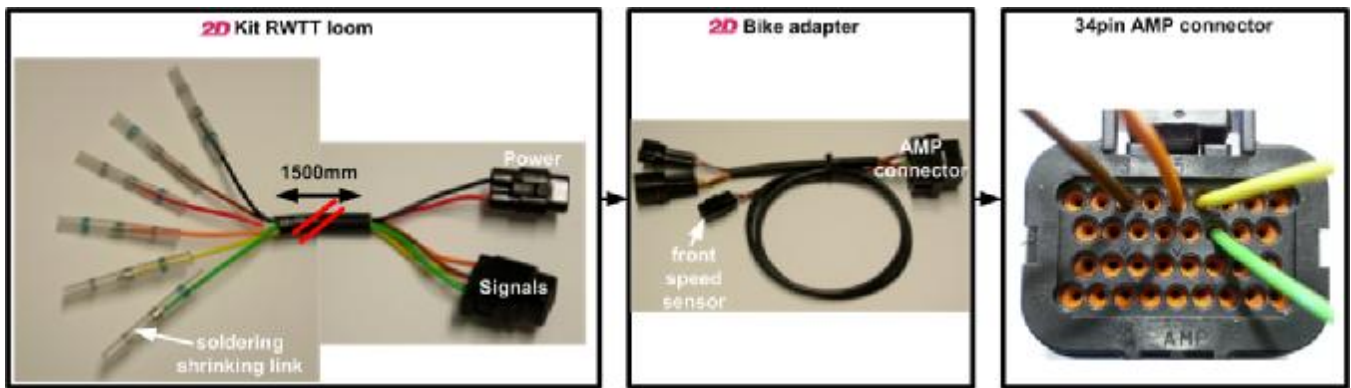
An alternative way of connection:

Cut the corresponding cables of the ECU harness at about 40mm from the plug and strip both ends.

Push the bare cable ends together with the corresponding "2D Bike Adapter" cable into one of the delivered "soldering shrink tubes".

Heat the "soldering shrink tubes" with a heat pistol at its center until the solder melts and unites the three cable ends.

**Control the temperature to avoid to burn the shrinking tube!**



### Connecting the "2D Bike Adapter" to the 34 pin AMP connector (Kit-Logger)

Make sure that the 34pin AMP connector is not locked: the both small rectangular "white plastic noses" have to protrude from the connector's body. Only in this position the contacts may be slid into the AMP plug and also removed again. In the next step the contacts of the "2D Bike Adapter" must be slipped into the correct position of the 34pin AMP plug. When all the contacts are correctly installed, the AMP plug must be locked again. You might use a screwdriver for that purpose. Press the two "white plastic noses" into the plug until they become even with the surface of the connector. The bolting device engages audibly with a click.

### Pinning of the AMP plug (Kit-Logger)



**If you are using an A/F add-on kit, you must remove PIN 34 and 25 from the bike adapter**

**You replace them by the corresponding pins 34 (red) and black pin 25 (black) of the A/F add-on kit.**

1	2	3	4	5	6	7	8	9
T_Water (A5 Pullup)	AGND	Throttle	Brake_F	T_Mot	V_Rear	CAN_H	CAN_L	Vext
10	11	12	13	14	15	16	17	
Susp_F	Susp_R	"Volt" A3	Airbox A4	LAP	RPM	V_Front	BGND	
18	19	20	21	22	23	24	25	
AGND	AGND	AGND	AGND	DGND	RPM Hi	DGND	BGND	
26	27	28	29	30	31	32	33	34
+5V	+5V	+5V	+12V	+12V	+12V	CAN_H	CAN_L	Vext

2D MicroCAN logger																											
34 pin AMP super seal connector																											
PIN	5	3	6	15	14	22	31	16	24	28	10	18	26	11	19	27	21	30	32	33	34	25	7	8	9	17	
color	orange	black	yellow	green	black	black	red	black	black	red	black	black	red	black	black	red	black	black	black	black	green	black	black	black	black	black	black
	T_Mot	Throttle	V_Rear	RPM	Lap Signal	DGND	+12V	V_Front	DGND	+5V	Susp_F	AGND	+5V	Susp_R	AGND	+5V	Brake_F	AGND	+12V	CAN_H	CAN_L	Vext	DGND	CAN_H	CAN_L	Vext	BGND
	Vext (BGND)	Bike signals	Lap signal	V_Front	Suspension Front	Suspension Rear	Brake Pressure	A/F	GPS																		

