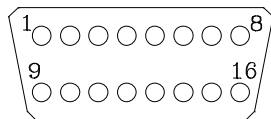


ICOM A
OBD2
16 pin
Male

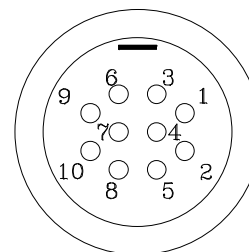
Signal

ICOM C
Active
Signals

OBD2 16 pin Female



Both
Viewed
from
Front



BMW
10 Pin
Plug

Diagnostics Plug Information

Manufacturer - Kostal
Body Part No - 09431001

Also used on E36/E39 6 cylinder
Ignition Wiring Harness
Part No 1 744 589A

Adaptor Cable

1	KI 15 (Ignition On)	_____	_____	10
2	SIA Reset Signal	_____	_____	
3	Ethernet Rx+	_____	_____	
4	Ground (-)	_____	_____	4
5	Ground (-)	_____	_____	
6	CAN High	_____	_____	7
7	K-Line 1	—BMS—	_____	1
8	K-Line 2	—ABS—	_____	2
9	TD Signal (RPM)	_____	_____	
10	Not Used	_____	_____	
11	Ethernet Rx -	_____	_____	
12	Ethernet Tx +	_____	_____	
13	Ethernet Tx -	_____	_____	
14	CAN Low	_____	_____	9
15	Not Used	_____	_____	
16	KL 30 (Bat +)	_____	_____	6

See
Notes
2 & 4

Model Plug Pinout & Wiring Color Code					
G450X	650GS	F800	S1000	1200GS	K1600
Gn/Bl		Gn	Gn		
Br	Br/Or	Br	Br	Br	Br
Br/Sw	Br/Sw	Br/Sw	Br/Sw	Br/Sw Ge/Ws	Ws/Sw
					Ws/Br
Rt/Ws	Rt/Ws	Rt/Ws	Rt/Ws	Rt	Rt/Sw

- Notes
- 1/ ICOM C adaptor info included to assist in determining what additional pins may be needed for each model
 - 2/ May need to link OBD pins 1 & 16 to give ignition on signal to ICOM for some models (switch in OBDII backshell ?)
 - 3/ SIA & TD signals may be used on some models, none identified so far
 - 4/ BMW 10 pin plug loop of pins 6 & 10 needed for G450X (Overcomes Ignition time out) (switch in OBDII backshell ?)
 - 5/ Old Models use Pin 9 (blue) for alternator & Pin 10 (Yellow/Grey) for injector

Models/Software Tested

BMW Color Codes

- 1/ F650GS Single SS/DS with ISTA & INPA/EDIABAS
- 2/
- 3/
- 4/

Sw-Black, Ws-White, Gn-Green, Br-Brown, Rt-Red, Bl-Blue, Or-Orange

ICOM Adaptor OBD2 Female to BMW 10 pin K-Line/CAN

Date: 01/05/12

Revision: A