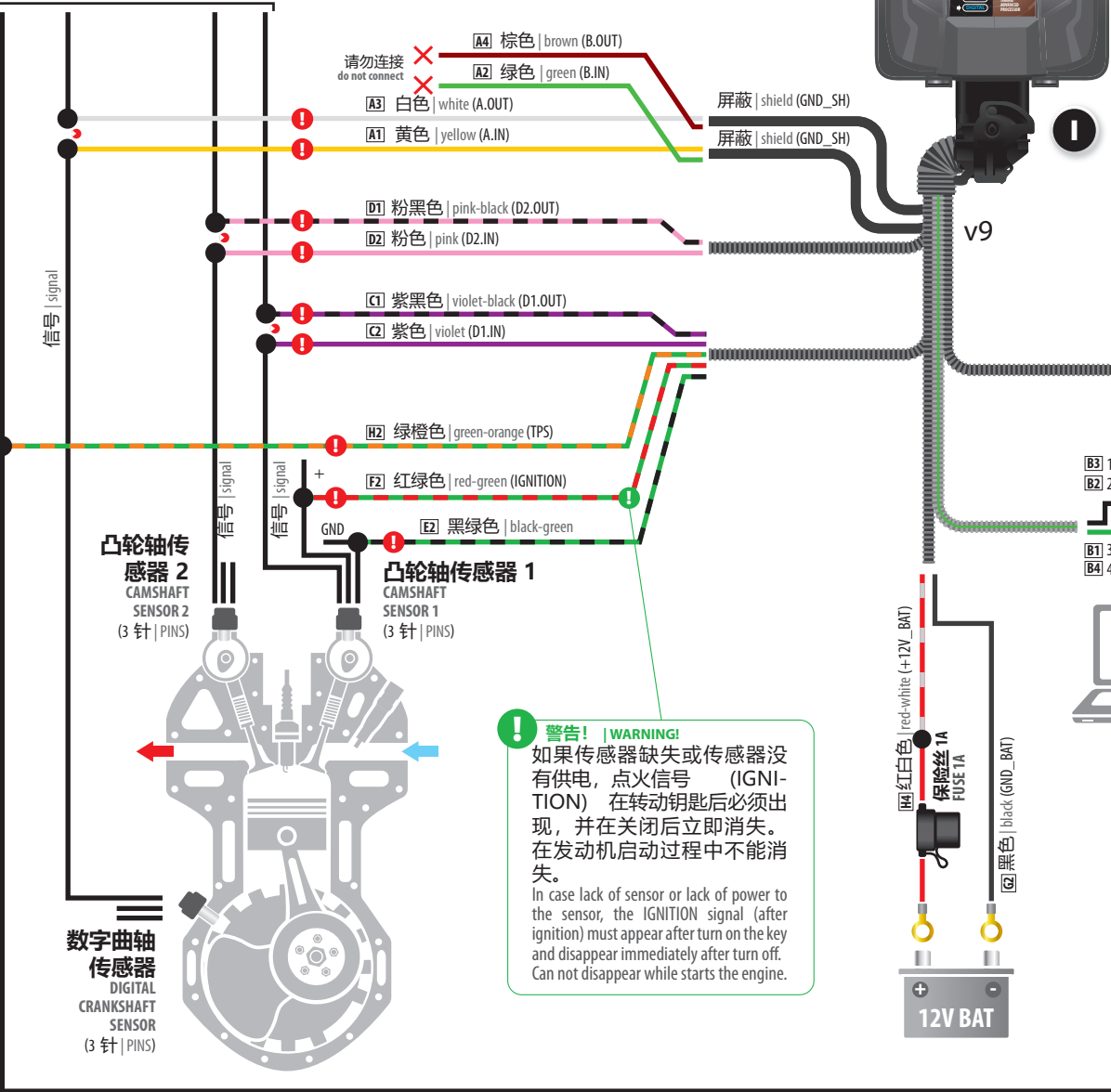


I 黑色线束 | BLACK HARNESS

	A	B	C	D	E	F	G	H
1	A.IN	RX	D1.OUT	D2.OUT	-	-	-	-
2	B.IN	TX	D1.IN	D2.IN	GND_SENS	IGNITION	GND_BAT	TPS
3	A.OUT	GND_INT	GND_SH	-	-	-	GAS_ACTIVE	MAP
4	B.OUT	+12V_INT	GND_SH	-	-	-	-	+12V_BAT

警告! | WARNING!
所有电线应尽可能靠近汽油控制器连接器连接到电线。
Connect all wires to the wires as close as possible to the petrol controller connector.



连接示意图 TECHNICAL DIAGRAM

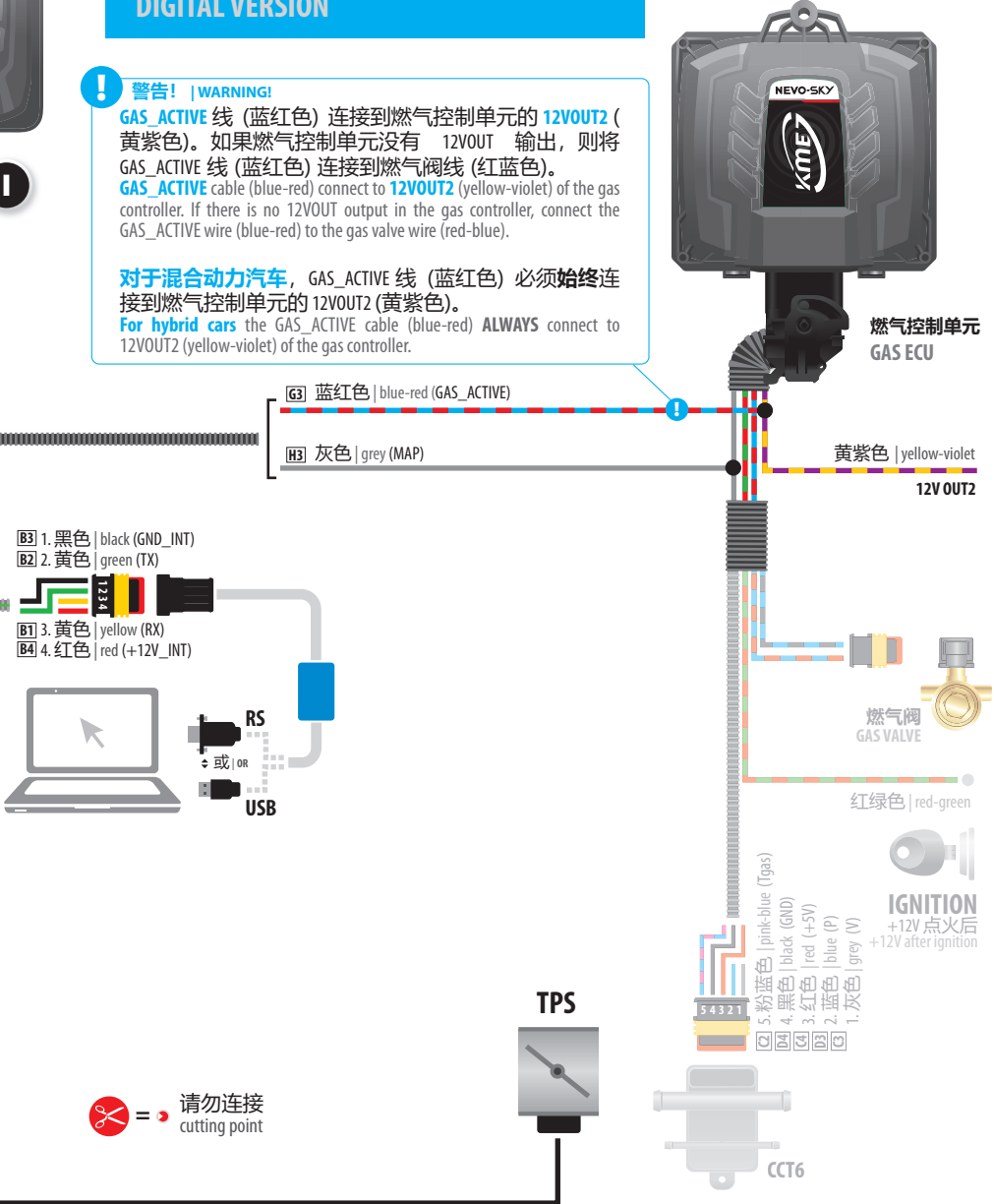
TAPO 点火正时调节器 IGNITION TIMING VARIATOR

**DIGITAL 版本
DIGITAL VERSION**

支持三个数字传感器
SUPPORT FOR THREE DIGITAL SENSORS

警告! | WARNING!
GAS_ACTIVE 线 (蓝红色) 连接到燃气控制单元的 **12VOUT2** (黄紫色)。如果燃气控制单元没有 12VOUT 输出, 则将 **GAS_ACTIVE** 线 (蓝红色) 连接到燃气阀线 (红蓝色)。
GAS_ACTIVE cable (blue-red) connect to **12VOUT2** (yellow-violet) of the gas controller. If there is no 12VOUT output in the gas controller, connect the **GAS_ACTIVE** wire (blue-red) to the gas valve wire (red-blue).

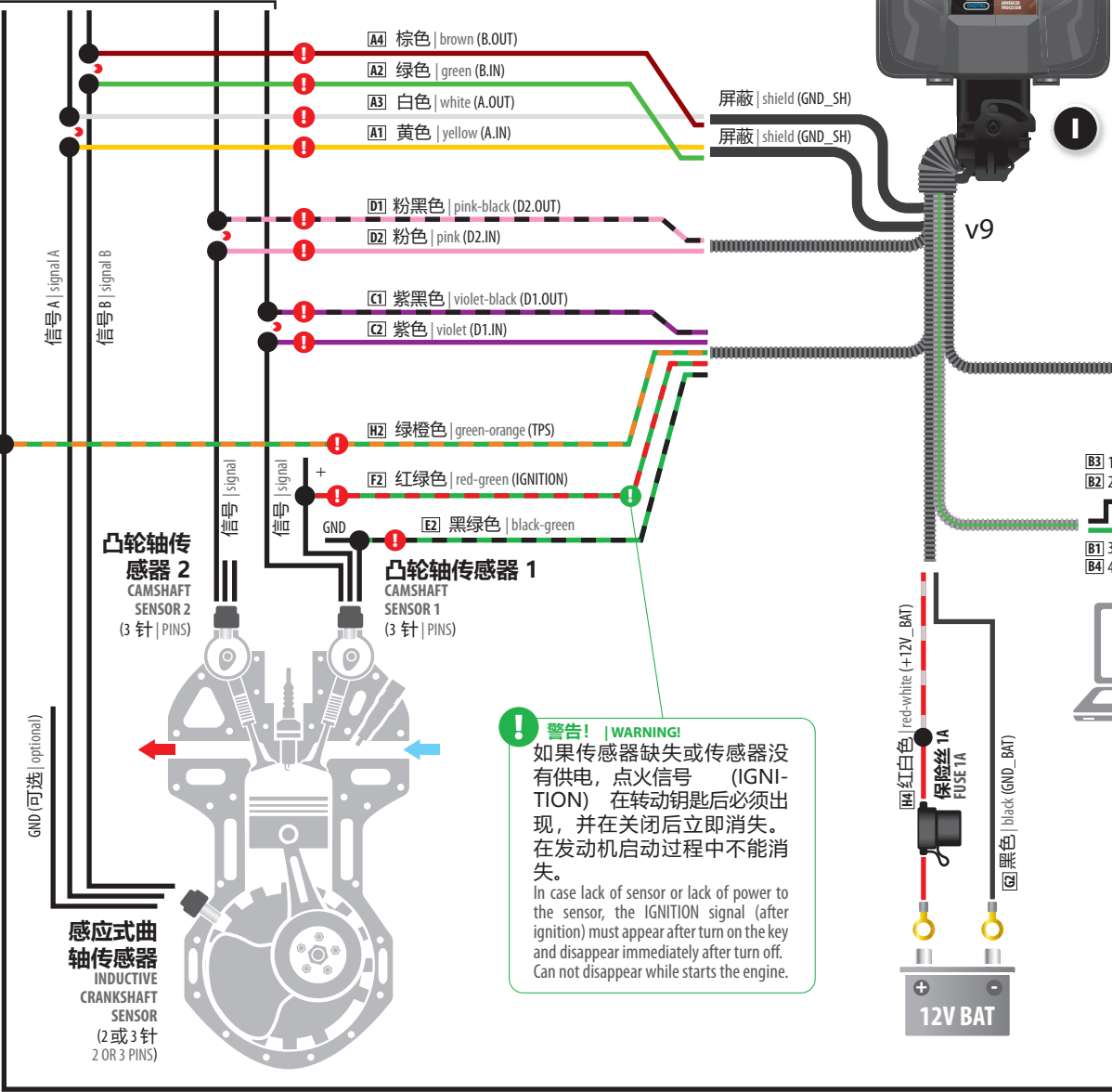
对于混合动力汽车, **GAS_ACTIVE** 线 (蓝红色) 必须始终连接到燃气控制单元的 12VOUT2 (黄紫色)。
For hybrid cars the **GAS_ACTIVE** cable (blue-red) **ALWAYS** connect to 12VOUT2 (yellow-violet) of the gas controller.



I 黑色线束 | BLACK HARNESS

	A	B	C	D	E	F	G	H
1	A.IN	RX	D1.OUT	D2.OUT	-	-	-	-
2	B.IN	TX	D1.IN	D2.IN	GND_SENS	IGNITION	GND_BAT	TPS
3	A.OUT	GND_INT	GND_SH	-	-	-	GAS_ACTIVE	MAP
4	B.OUT	+12V_INT	GND_SH	-	-	-	-	+12V_BAT

警告! | WARNING!
所有电线应尽可能靠近汽油控制器连接器连接到电线。
Connect all wires to the wires as close as possible to the petrol controller connector.



连接示意图 TECHNICAL DIAGRAM

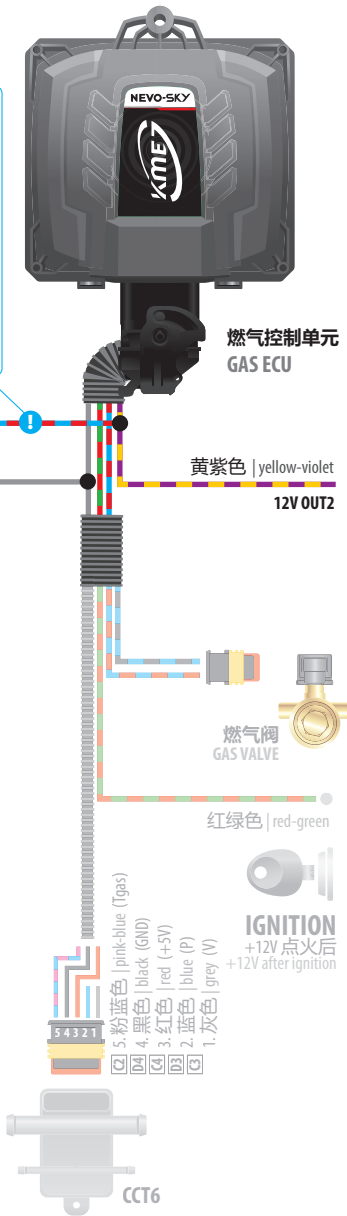
TAPO

点火正时调节器 IGNITION TIMING VARIATOR

**ANALOG 版本
ANALOG VERSION**

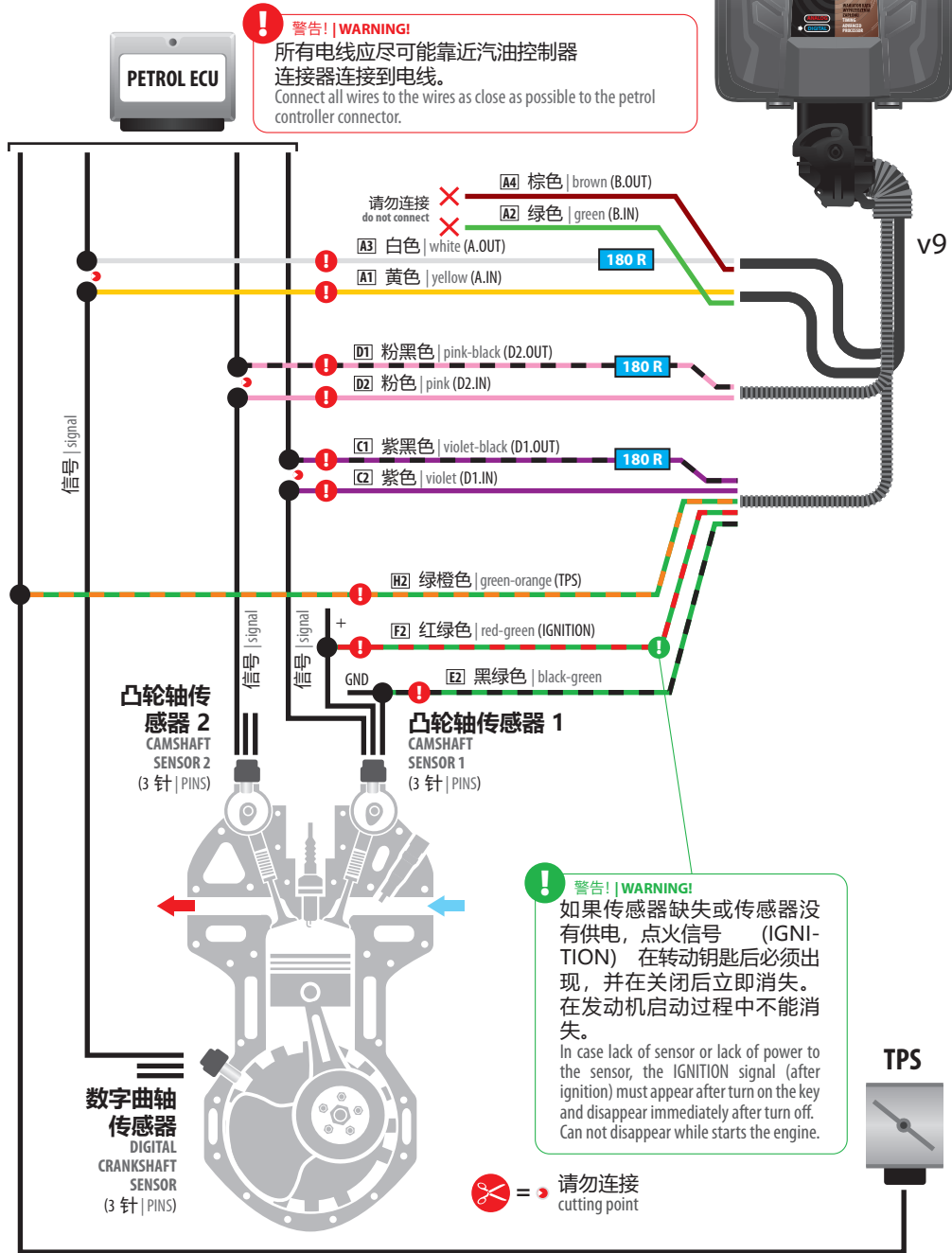
支持一个模拟传感器和两个数字传感器
SUPPORT FOR ONE ANALOG SENSOR AND TWO DIGITAL SENSORS

警告! | WARNING!
GAS_ACTIVE 线 (蓝红色) 连接到燃气控制单元的 **12VOUT2** (黄紫色)。如果燃气控制单元没有 12VOUT 输出, 则将 **GAS_ACTIVE** 线 (蓝红色) 连接到燃气阀线 (红蓝色)。
GAS_ACTIVE cable (blue-red) connect to **12VOUT2** (yellow-violet) of the gas controller. If there is no 12VOUT output in the gas controller, connect the **GAS_ACTIVE** wire (blue-red) to the gas valve wire (red-blue).
对于混合动力汽车, **GAS_ACTIVE** 线 (蓝红色) 必须始终连接到燃气控制单元的 12VOUT2 (黄紫色)。
For hybrid cars the **GAS_ACTIVE** cable (blue-red) **ALWAYS** connect to 12VOUT2 (yellow-violet) of the gas controller.



TOYOTA, LEXUS

从 HW 6.2 版本开始, 按照电路图添加 180R 电阻。在程序中, 将霍尔传感器电压设置为 4 V (丰田, 雷克萨斯)。
From HW 6.2 version add 180R resistors according to the diagram.
In the program, set **Hall sensor voltage: 4 V (Toyota, Lexus)**.



NISSAN, INFINITY (SILNIK/ENGINE VQ35DE)

对于 VQ35DE 发动机 (3498 cm³), 根据电路图需要额外的 2k2 电阻
For the VQ35DE engine (3498cm³), additional 2k2 resistors are required according to the diagram.

