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NAPA PROLINK

OEX

CANBUS HIGH BEAM SIGNAL DETECT MODULE INSTALLATION KIT

The DSS-CANRYL 12V TOY is an ADR compliant solution to switching driving lights, on Toyota vehicles, where the traditional 'high beam' signal wiring is not available. The module recognises the high beam 'ON', CANbus signal, so that the driving lights can only be switched on together with the high beam. The CANbus module will interface with 12V power relay/driving light wiring harness.

DSS-CANRLY 12V TOY

INSTALLATION KIT:

PART	QUANTITY
Interface module	1
Mounting Bracket	1
Splice Connectors	2
Terminal Connectors	10
Installation Manual	1

A 10 Amp Fuse (NOT Supplied) should be connected between the vehicle accessory power switch and CANbus Interface Module.

The CANbus wires must be connected from the vehicle Instrument Cluster to the CANbus interface Module. The CANbus wires should be less than 1 meter in length, be twisted approx. 4 times per 100mm and connected with the supplied splice connectors.

SPECIFICATIONS

Operating Voltage	12Vdc
Current consumption	27mA (standby current)
Undervoltage Cut off	8.5Vdc
Overvoltage protection	33V
Reverse polarity protection	Yes
CAN Interfaces	CAN bus interface 2.0 A/B, ISOCAN bus interface 2.0 A/B, ISO 11898-2:2003 compliant
Output voltage	12Vdc
Output current	1A (max)
Environment Protection	IP53
Toyota Vehicle compatibility	LandCruiser 200 Series, RAV4, HiLux, Prado, Fortuna, Kluger, Camry

FEATURES

Compact, easy fitment design
Compatible range of Toyota vehicles
ADR 13 compliant
Kit including interface module socket, crimp and splice connectors
1 Year warranty

For Technical Support, please contact DSSA:
P: +61 (0)7 3290 4115 E: tim@digitalswitching.com.au

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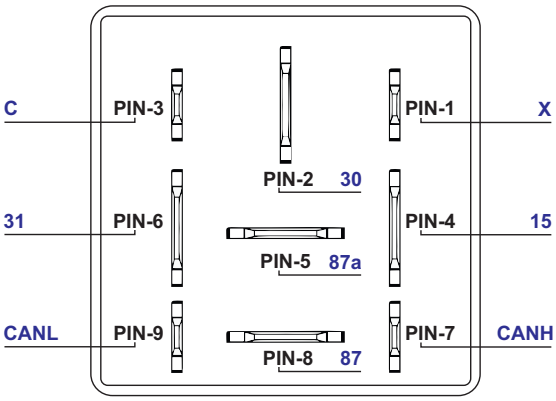
CONNECTION

Refer to PINOUT DIAGRAM
10A fuse (NOT Supplied)

1. Connect PIN-3 and PIN-2 to the vehicle accessory switch via 10A fuse (NOT Supplied).
2. Connect PIN-8 to the Power Relay (NOT Supplied) in the Engine Bay.
3. Connect the Common of the SPST, Driving Light ON/OFF switch to PIN-3.
4. Connect PIN-1 to the Normally OPEN of the Driving Light ON/OFF switch.
5. Connect PIN-7 to vehicle CANbus HIGH at the Instrument Cluster.
6. Connect PIN-9 to vehicle CANbus LOW at the Instrument Cluster.
7. Connect PIN-6 to vehicle ground.

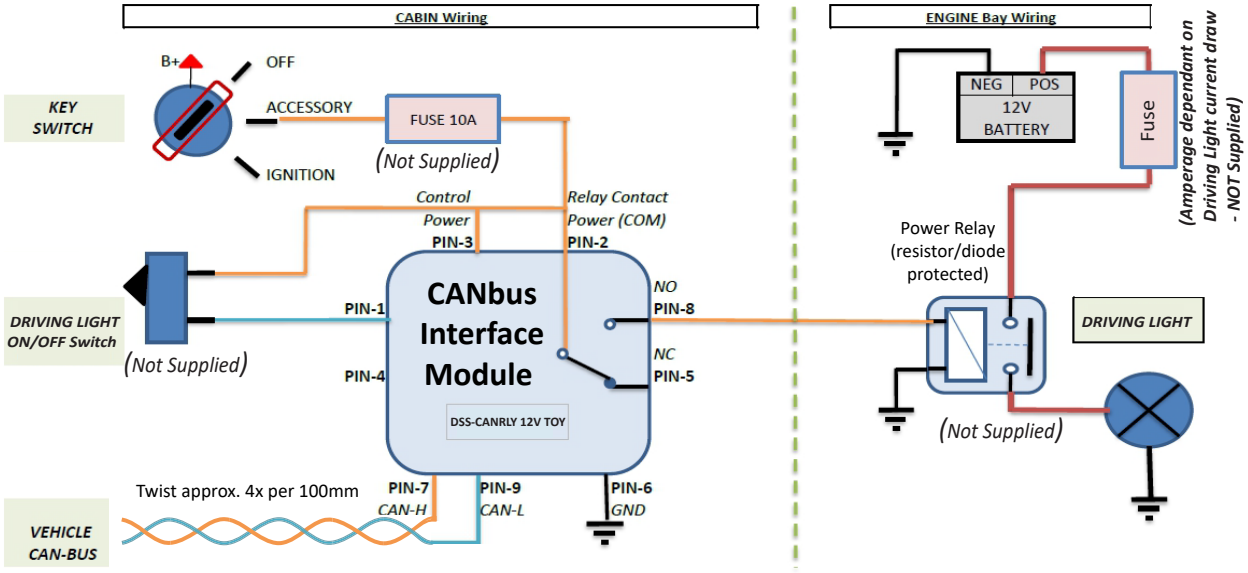


PINOUT DIAGRAM

OPERATION

1. The CANbus Interface Module becomes active when the vehicle accessory switch is turned ON.
2. The Driving Light is lit, when the Driving Light switch is ON and the Vehicle high beam lights are switched ON.

POWER WIRING DIAGRAM



INSTRUMENT CLUSTER - CAN CONNECTIONS

LandCruiser	CANH	A39	BROWN
	CANL	A40	WHITE
RAV4	CANH	A9	BLACK
	CANL	A25	WHITE
Camry	CANH	B32	BLACK
	CANL	B31	WHITE
HiLux SR5	CANH	A36	SKY-BLUE
	CANL	A35	WHITE
Prado VX	CANH	D40	VIOLET
	CANL	D39	WHITE
Kluger	CANH	C28	SKY-BLUE
	CANL	C27	WHITE
Fortuna	CANH	A36	RED
	CANL	A35	WHITE

It is recommended that the Headlight Auto-Dip function in the vehicle be disabled when installing this device.
The spread of the beam from the Driving Lights "confuses" the sensor for this function.

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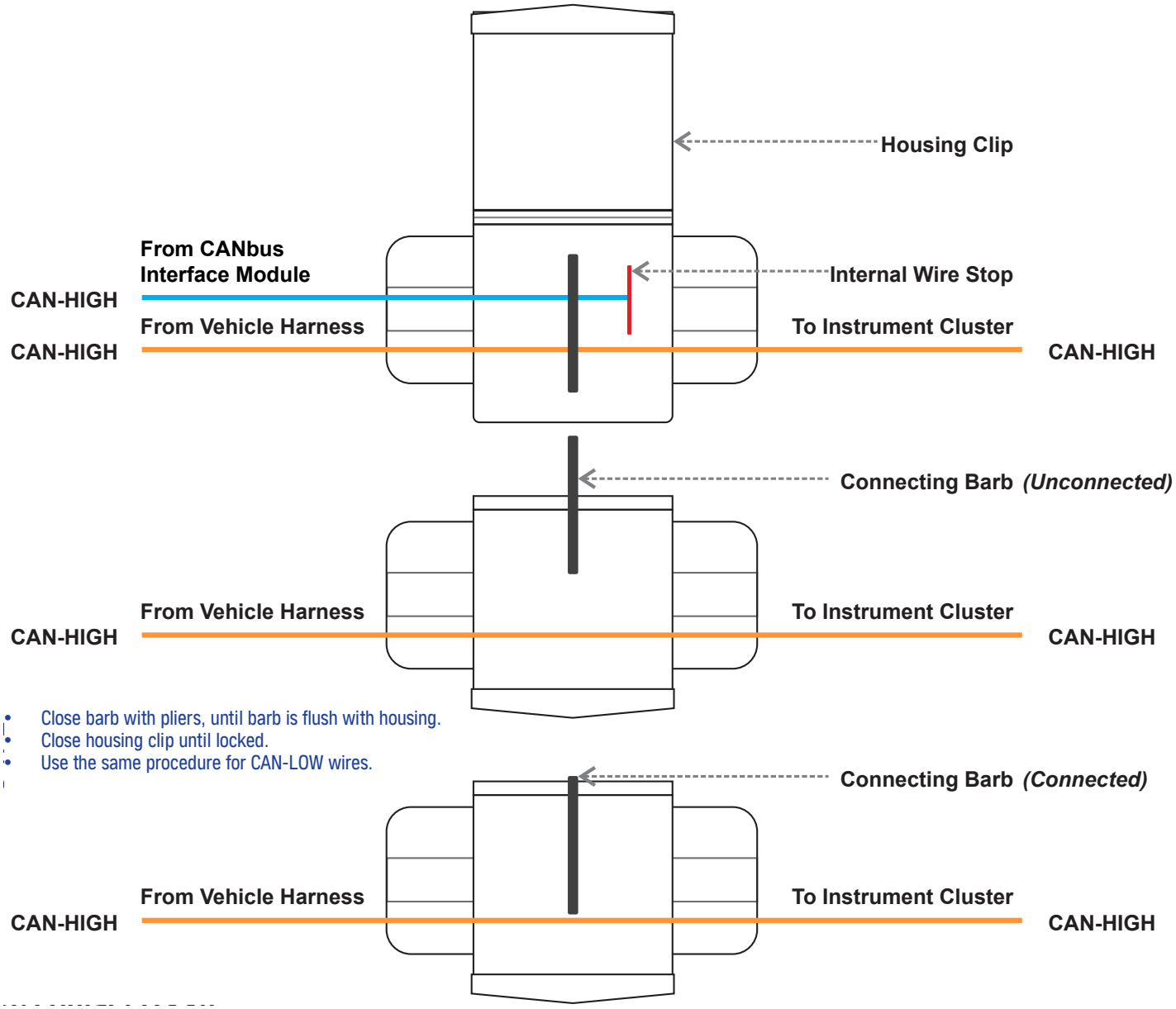
CAN WIRE CONNECTION



- Close barb with pliers, until barb is flush with housing.
- Close housing clip until locked.
- Use the same procedure for CAN-LOW wires.