



INSTALLATION MANUAL

HIGH BEAM CANbus 12V INTERFACE TO SUIT:

LandCruiser 300 SERIES

Part No. DSS-CANRLY 12V TOY

The CAN High Beam Relay is an ADR compliant solution for switching driving lights where the traditional 'high beam' signal wiring is not available.

INSTALLATION KIT

PART	QTY
12V Relay Module	1
Mounting Bracket	1
Terminal Connectors (Sml)	5
Terminal Connectors (Lge)	5
Installation Manual	1

RELAY MODULE MOUNTING BRACKET



TERMINAL CONNECTORS

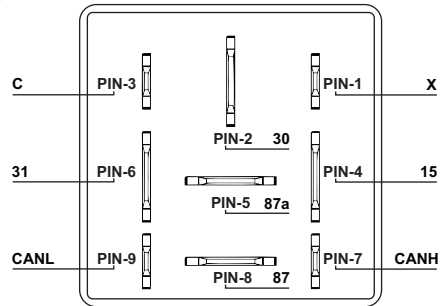


* Images are not to scale

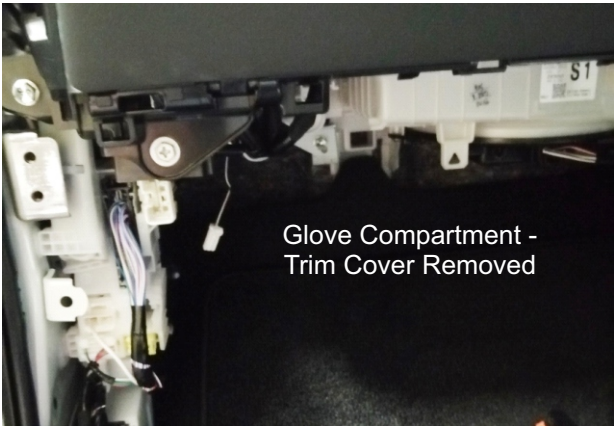
CONNECTION (REF to PINOUT DIAGRAM)

- 1 Connect PIN-3 and PIN 2 to the vehicle accessory switch
- 2 Connect PIN-8 to the Power Relay (NOT Supplied) in the Engine Bay
- 3 Connect the Common of the 3-way Rocker Switch Terminal (COM) to PIN-3
- 4 Connect PIN-1 to the Normally OPEN-1 of the High Beam Enable Switch Terminal (No1).
- 5 Connect PIN-7 to vehicle CANbus HIGH at the 2PIN Plug*
- 6 Connect PIN-9 to vehicle CANbus LOW at the 2PIN Plug*
- 7 Connect PIN-6 to vehicle GROUND

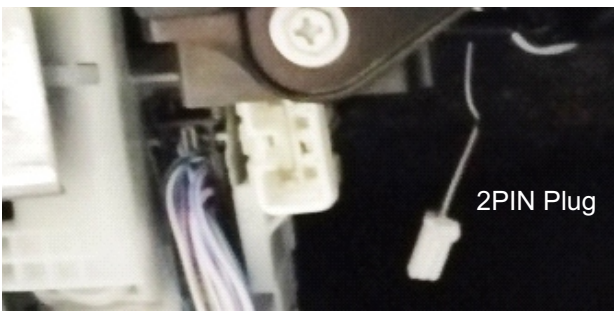
* The 2PIN plug for CANbus HIGH and CANbus LOW is located behind the cover trim under the glove compartment as pictured below.



PINOUT DIAGRAM



Glove Compartment - Trim Cover Removed



2PIN Plug

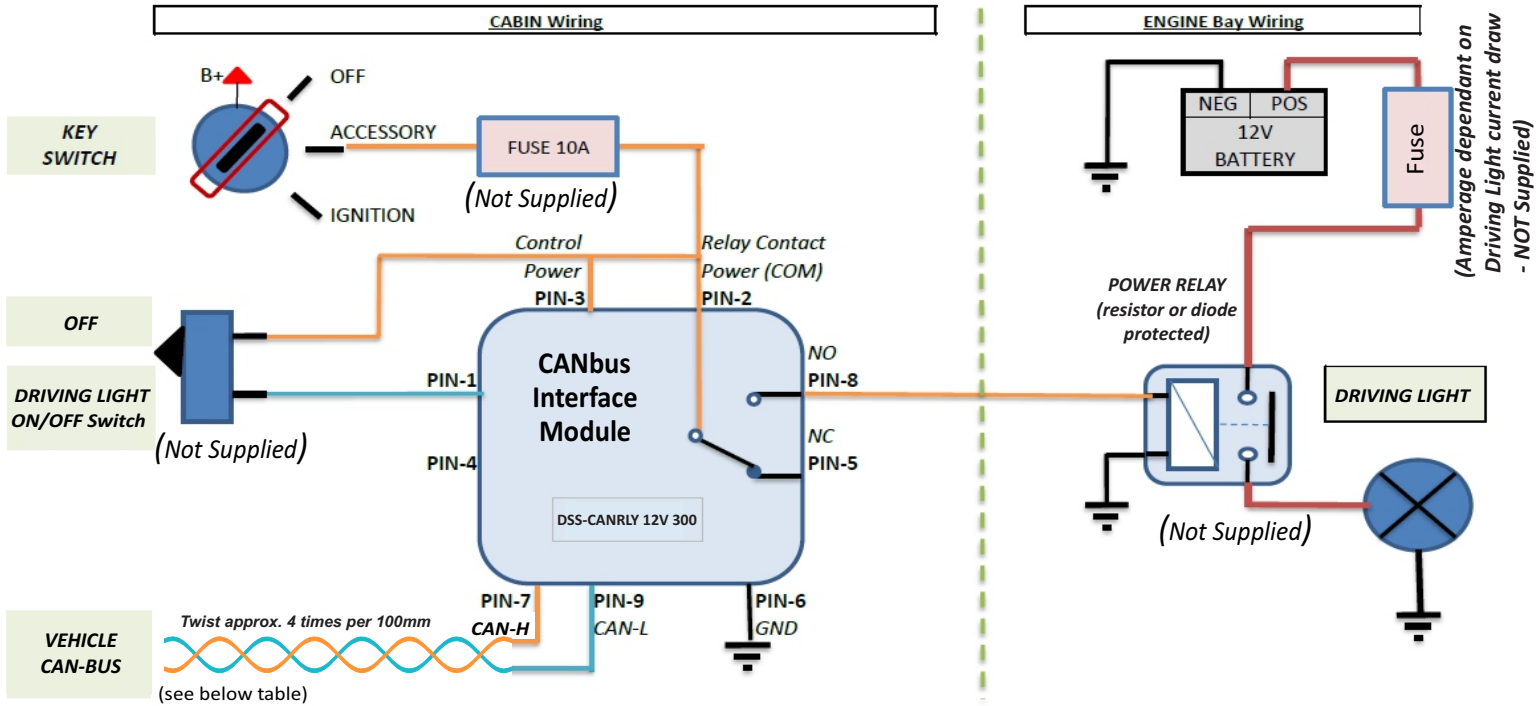
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OPERATION

- 1 The CANbus Interface Module becomes active when the vehicle accessory switch is turned ON
- 2 The Spot Light comes ON with High Beam when the High Beam enable switch is turned ON

POWER WIRING DIAGRAM



CANbus CONNECTIONS:

Model	Line	Pin Count	Color
LandCruiser 300	CANH	2PIN	WHITE
	CANL	2PIN	BLACK

TECHNICAL DATA

Housing	Plastic PA66GF30
Connector	Base plate 9-pin
Ambient Temperature	-40°C to +85°C (at 85°C not full load)
Environmental Protection	IP 53
Current Consumption	27 mA
Inputs	Configurable as: Analogue input (0... 11, 4V) Digital, positive encoder signal frequency input
Outputs	Configurable as: Digital, positive switching (high-side or relay output) - PWM Output (2Hz ... 500Hz)
Operating Voltage	Depending on the variety of available configurations: 12V (Code C) and 24V (Code F) ISO 126750 - 2 compliant
Starting Voltage	8,5V (12V variant) - 16V (24V variant)
Overvoltage Protection	≥ 33V
Undervoltage Cut-Off	8,5V
Reverse Polarity Protection	Yes
Weight	31g
CAN Interfaces	CAN bus interface 2.0 A/B, ISO 11898-2:2003 compliant

For Technical Support, please contact DSSA:
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