



GTR Lighting Knowledgebase Article: 2001-2002 Toyota 4Runner DRL Disable

When installing HID lights in a 2001 or 2002 Toyota 4Runner (Bi-Xenon H4 HID Kit), you need to disable the Daytime Running Lights. This is because the DRL circuit lowers the voltage to the stock halogen light bulb in order to create the DRL effect. When installing HID's if your truck sends the 6v signal to the headlights for DRL it will upset the new HID ballast and the xenon bulb will flicker like a strobe light.

The fix for this is to disable the DRL circuit. The following write-up will show you how to disable it temporarily with a switch. If you are installing HID lights and do not plan to ever take them out of the truck, then the switch is unnecessary. Simply disable the circuit and forgo the switch installation.

Article by:

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This article is for those looking for the way to disable your DRL on 2001 & 2002 4Runners without side effects.

2001 & 2002 DRL wiring are identical in color & positions in D8.

DRL module part numbers are the same:

82810-04011

486811-10140

I too found & performed the procedure in the TSB for 2000 vehicles, but it had side effects from the dim intermittent "high beam" indicator light to shorting out the DRL module circuit causing my battery to drain, costing me around \$270 to replace the DRL module.

I decided to give it another go to disable the module & did some schematic research with reference to the 2000 TSB's D8 Pin #2 procedure.

I referred to my 2002 Electrical Wiring Diagram (EWD) manual & also went to the service department & obtained copies for the DRL schematic on the 2000 model & compared the two circuits & their respective description of operation section.

Simply put - the DRL circuit operates like a stereo amplifier with a "remote" lead (switched power) to power on the unit. Even with the vehicle off, headlights, fog lights, parking lights operate independent of DRL.

Per the TSB & schematic for the 2000 4Runner, Pin 2 is the Black/Yellow Stripe wire (switched power).

On the 2001 & 2002 4Runner, Pin 2 is the White/Black Stripe wire, which is the ground wire & needs to remain intact to prevent the side effects.

2001 & 2002 4Runner Pin 12 = Black/Yellow Stripe wire (switched power via "Gauge" fuse) which powers "on" the DRL circuit.

Hand brake "activates" the circuit. Constant power via pins 2 (White/Black Stripe "Ground") & 3 (Lt Blue/Yellow Stripe "Dome").

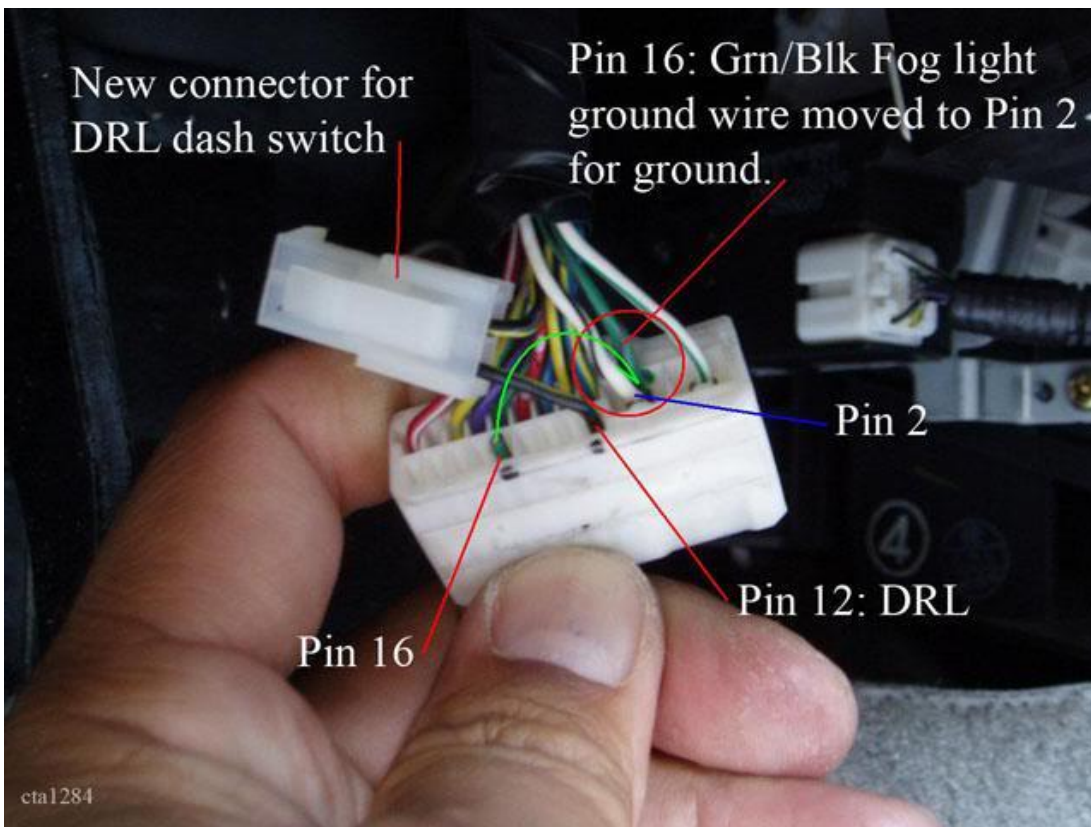
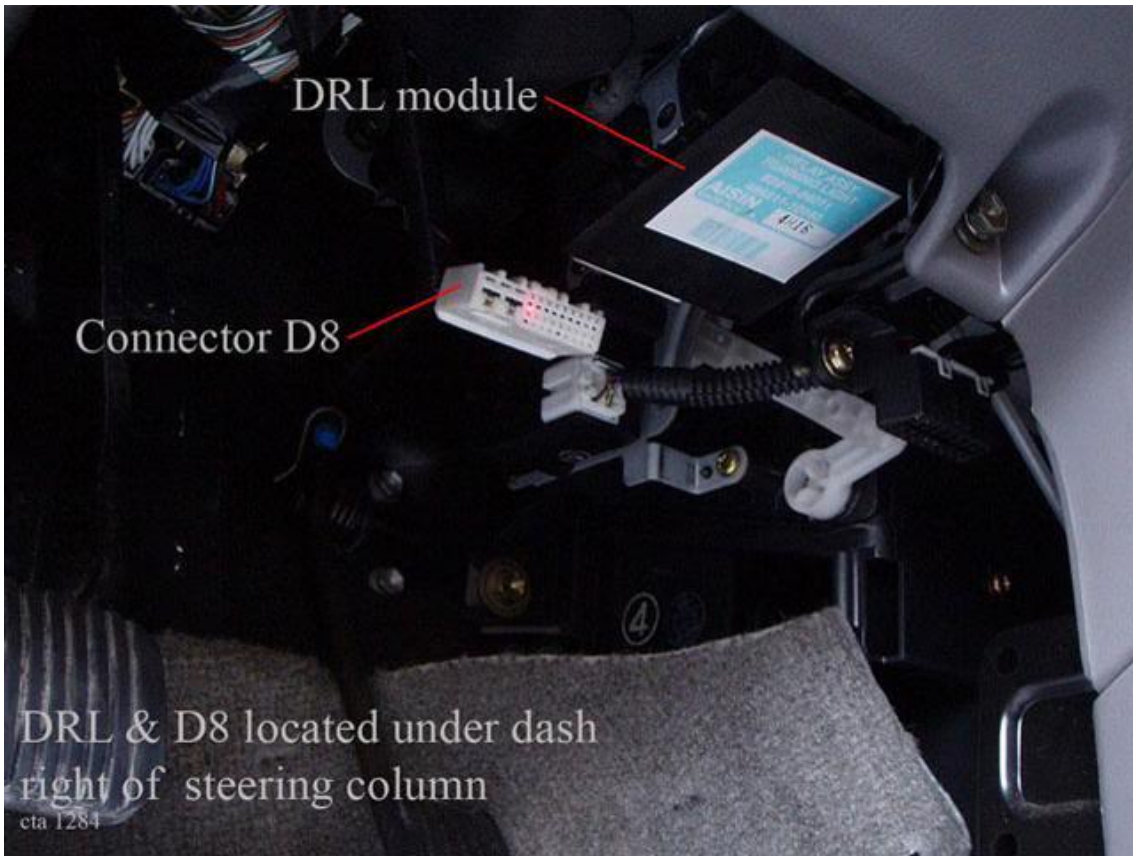
Procedure:

Cut the Pin 12 Black/Yellow Stripe wire to disable the DRL "circuit"

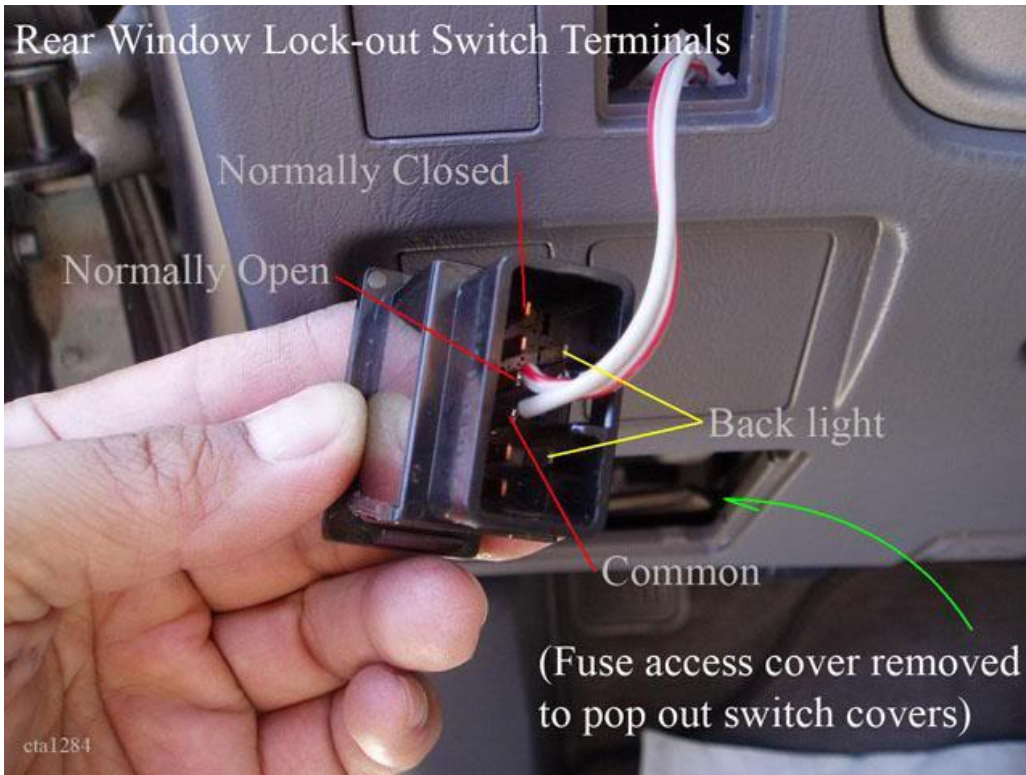
operation. A switch can be installed inline between the two separate Black/Yellow Stripe wires for manual DRL operation

if desired.

The DRL module & D8:



The DRL disable switch:
Using an OEM Window Lock-out Switch
(Pt# 84821-35020)



Installed Switch:
Looks clean



GTR Lighting 10,000K HID Kit Installed:





If you do not want to install a switch in order to turn the DRL function back on simply cut the Pin 12 Black/Yellow Stripe wire to disable the DRL "circuit". Then tape up both ends of the wire and you are done.