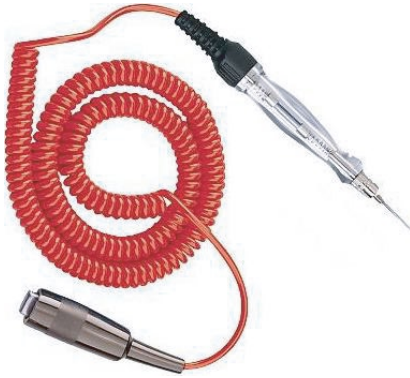




HOW TO PROBE A WIRE TO DETERMINE SIGNALS/FUNCTIONS

The basis of this exercise is to figure out what function each wire leading into your taillight does.

Tool needed: Automotive Circuit Tester



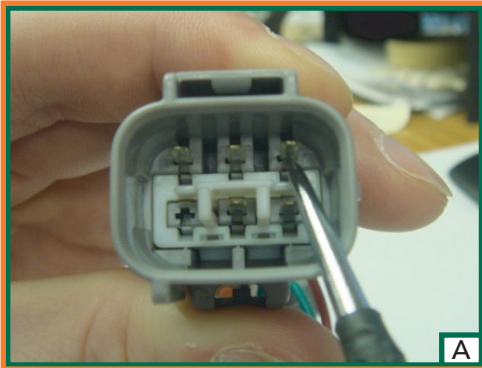
STEP 1:

Find a suitable ground location on the vehicle. The trunk latch is good location to use when unpainted, otherwise any metal location that adjoins to the vehicle frame.



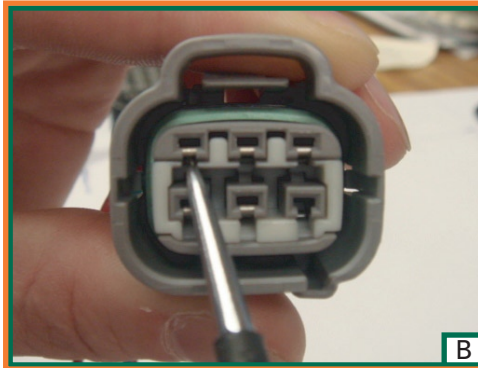
STEP 2: Determine location for probing (Type 1/Type 2).

Type 1: (Preferred method) Vehicles equipped with wire harness (w/housing) coming out of taillight. **A B C** Locate the housing on the drivers side of the vehicle. Begin by turning power on to the left turn signal, probe each terminal until the light is powered on the circuit tester. **E** This signifies which terminal is used for the left signal. Refer to the back of the housing and determine which color wire corresponds with that terminal location. Do this for each subsequent function needed (brake, taillight and right turn signal). On most vehicles to find the right turn signal, you will have to do the same to the passenger's side housing.



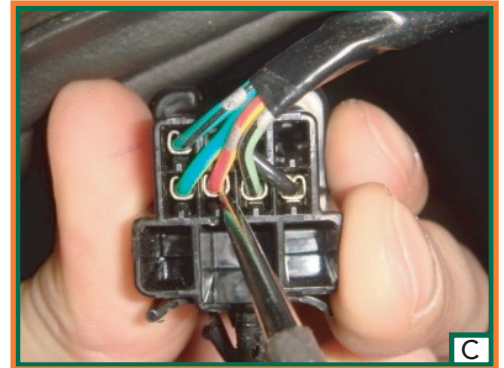
A

FRONT OF HOUSING (MALE)



B

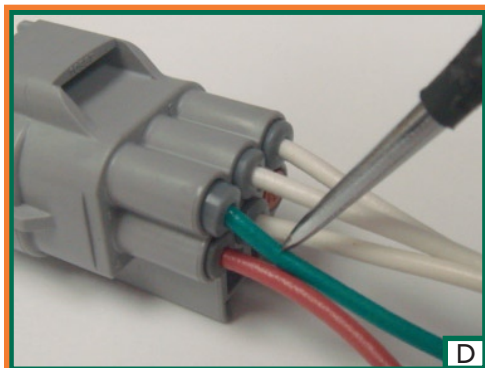
FRONT OF HOUSING (FEMALE)



C

BACK OF HOUSING (UNSEALED)

Type 2: (When necessary) Vehicles with difficult to reach or hard to maneuver housings. **D** Locate the wire. Begin by turning power on to the left turn signal. Using the circuit tester, probe and penetrate through the insulation wall of each wire making sure to contact the copper conductors. When the light is powered on the circuit tester this signifies which wire is used for the left signal. **E** Do this for each subsequent function needed (brake, taillight and right turn signal). On most vehicles to find the right turn signal, you will have to do the same to the passenger's side of the vehicle.



D

BACK OF HOUSING (SEALED)



E

LIGHT POWERED WHEN SIGNAL FOUND