If a vehicle will not move in a particular gear or moves intermittently in various gears the problem could range from a junction box problem to a bad PCU or associated wiring however the most probable cause is the prndl switch adjustment. Prior to performing the below procedure please call (808) 593-1273.

EPrizm prndl switch adjustment procedure

1. Turn off main battery pack switch and disconnect the negative auxiliary battery lead.
2. Remove and plug both hoses to PCU.
3. Remove all the electrical connectors attached to PCU.
4. Remove the 6 mount bolts attaching PCU to rubber isolators.
5. Carefully remove PCU. Handle the unit as you would any other piece of sensitive electronic equipment.
6. The prndl switch is now in view. Remove the 6 and 1 pin connectors attached to the prndl switch harness.
7. Check for proper adjustment of prndl switch by shifting the vehicle throughout its range and performing continuity checks from the 1 pin connector to the appropriate pin of the 6 pin connector.
8. If adjustment is required adjust the shift cable to switch arm connection in very small increments until proper adjustment is attained.
9. If proper adjustment is not attained, further electrical adjustment can be made by physically moving the switch within its mounting slots.
10. Once electrical adjustment is attained it is important that the parking pawl (mechanical stop for the PARK position) is still correct. In the PARK position the vehicle should not be able to be moved. In all other positions the vehicle should move freely without any ratcheting sounds of the pawl making contact with the pawl gear. Further check of this can be made by using an inspection mirror and checking for pawl gear adjustment inside the bell housing.
11. Steps must be repeated until both electrical and mechanical adjustments are correct.
12. Once adjustments are attained connect the prndl switch connectors, install the PCU, connect the auxiliary battery and turn on the main battery pack switch. Ensure the radiator is serviced and the water circulates once the water pump is operating. If the water does not circulate it will be necessary to bleed the cooling system.
13. Test drive vehicle to ensure proper operation.

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PRNDL Adjustment Procedure

Diagram

The schematic below shows the prnd2l circuit. The chart provides voltage information when the vehicle is in each gear.

1 = +12 volts relative to ground

0 = 0 volts relative to ground

For example, when the vehicle is in Park there is +12 volts on pins 2, 3, 4, and 5.