



Fig. 31—Transmission Electrical Wiring Diagram

49x2

driven by the transmission mainshaft, there is hydraulic pressure only when the mainshaft is turning as when driving or with the car on a lift and the transmission in one of the forward speeds. There is no oil pressure in reverse gear.

For proper synchronization and shifting, it is also essential that the engine idle at approximately 450 to 475 revolutions per minute and the throttle linkage work freely.

Repeat each test several times to make sure the result is consistent.

#### a. Electrical Tests (Fig. 31)

##### (1) Wiring and Connections

Raise the right side front floor mat and remove the floor panel access cover over the transmission and inspect wiring and tighten connections. All

electrical tests should be made with a double lead test light and insulated socket. The leads should be long enough to reach from the engine compartment to the driver's seat for observation while road testing.

#### Tests

##### (2) Ignition Switch to Circuit Breaker Check

- (a) Connect test light to the coil side of the circuit breaker ("A", Fig. 31) and the other wire of the test light to ground. Turn ignition switch on.

#### Diagnosis

- (a) The light should go "on". If light does not go "on", the wires or connections are faulty. Correct as necessary.