

***** ELEC-TRAK E-15 QUIZ *****

NAME

Harold Zimmerman

DEALERSHIP

Clean Power Supply

1. I have been servicing tractors for MANY years.
2. My experience in the electrical area is (1) none, (2) very little, (3) average, (4) considerable.
3. The ELEC-TRAK E-15 is equivalent to a (1) 10 hp, (2) 12 hp, (3) 15 hp, (4) 14 hp gasoline tractor.
4. The speed control has (1) 5, (2) 6, (3) 3, (4) 7, forward speeds.
5. The speed control has (1) 2, (2) 4, (3) 3, reverse speeds.
6. The (1) 1A, (2) 2A, (3) L, contactor must be energized first in order to get power to drive motor.
7. The FW relay function is to (1) allow forward speed, (2) allow reverse speeds, (3) allow resistors on card #3 to be put in series with drive motor field.
8. If you have improper speeds conditions above throttle lever position number 3, you should first check (1) reverse relay, (2) 1A contactor, (3) FW relay and card #3.
9. When the speed/control lever is immediately pushed all the way forward, there is time delay (1) in positions two and three but not in last four positions, (2) no time delay, (3) time delay first position only.
10. If there is no time delay in the speed/control, the cause will be found (1) on card #3, (2) FW relay, (3) on card #1, (4) there should be no delay.
11. The reverse relay is energized by (1) the L contactor, (2) the reverse switch on speed/control lever, (3) by circuit on card #3.

12. The reverse relay changes the rotation on the drive motor by (1) reversing the armature polarity, (2) reversing the field polarity, (3) combination of 1 and 2.
13. When working on the tractor you should be sure the main disconnect is disengaged to (1) prevent shocks from high voltages, (2) prevent electrical arcs that may cause damage to the tractor or burns to the individual.
14. When checking resistance or continuity with a volt-ohm meter, there should be (1) power on the circuit, (2) power must be off, (3) does not matter if power on or off.
15. If the tractor power use meter is continually operating in the red range when the tractor is operating on hills, and the transaxle is in D₁, you should (1) shift to D₂, (2) shift to L or LL, (3) leave in D₁.
16. If the charger is humming and the fuel meter does not move to the right, you should first check (1) 110-volt outlet, (2) CB-1 breaker on drive motor (3) CB-2 breaker on upper control panel - push red button, (4) call the factory.
17. If the customer calls and advised he is continually blowing his 110-volt house fuse or breaker, you should advise him first to be sure (1) the main power tractor disconnect is engaged, (2) does not have other appliances drawing too much current on same circuit as plug for ELEC-TRAK charger, (3) he has turned charger on, (4) reset CB-2 the red button on upper control panel.

