

ELEC-TRAK E-12 AND E-15 QUIZ

NAME Harold Zimmerman DEALERSHIP Clean Power Supply

1. The ELEC-TRAK E-15 will output a (1) 12 hp, (2) 15 hp, (3) 14 hp gasoline tractor.
2. The E-15 speed control has (1) 5, (2) 6, (3) 3, (4) 7 forward speeds.
3. The E-12 speed control has (1) 4, (2) 3, (3) 7, (4) 2, forward speeds.
4. The speed control has (1) 2, (2) 4, (3) 3 reverse speeds.
5. The (1) 1A, (2) 2A, (3) L, contactor must be energized first in order to get power to drive motor.
6. 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.
7. If you have improper speed conditions above throttle lever position number 3, you should first check (1) reverse relay, (2) 1A contactor, (3) FW relay and card #3.
8. When the speed/control lever is immediately pushed all the way forward, there is time delay (1) in positions two and three, (2) no time delay, (3) time delay in first position only.
9. 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.
10. The reverse relay is energized by (1) the L contactor, (2) the reverse switch on speed/control lever, (3) by circuit on card #3.
11. 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 & 2.

12. 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.
13. When checking resistance or continuity with a volt-ohm meter, there should be (1) power on the circuit, (2) no power on, (3) does not matter if power on or off.
14. 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 D<sub>1</sub>, you should (1) shift to D<sub>2</sub>, (2) shift to L, (3) leave in D<sub>1</sub>.
15. If the charger is plugged in, turned on, 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.
16. If the customer calls and advised he is continually blowing his 120-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.
17. The brake switch should shut off the drive motor when the brake pedal is pushed (1) 1/4, (2) 1/2, (3) 1/3, (4) 9/10, the way down.
18. Provided the battery plates are covered with water, then you should add water (1) before charging, (2) after charging, (3) each month regardless of level, (4) after each use.
19. Never add (1) pure water, (2) rain water, (3) low mineral water, (4) "Battery lift additive", to the batteries.

