

GENERAL ELECTRIC

OUTDOOR

POWER EQUIPMENT

OPERATION

GENERAL ELECTRIC COMPANY, CORPORATIONS PARK, BUILDING 702,
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March 18, 1974

Subject: ER8 - 36 Rider - Neutral Switch Adjustment

To: Elec-Trak Tractor Dealers

Due to a tolerance build-up of the Peerless transmission used in the Rider, the neutral switch on the transmission must be checked for operation within its proper range.

This letter pertains only to those ER-8 Riders built before Serial Number CT12700. If the last three digits of the serial number are 700 or smaller, then proceed to the following instructions:

1. Jack up one rear wheel and place the transmission shift lever in the NEUTRAL position. See Note A.
2. With the clutch pedal in the upright or driving position, depress the seat switch and turn the key switch to ON. The drive motor will now start. If the drive motor does not start refer to Note B.
3. Leaving the transmission in REVERSE and with the drive motor running, turn the key switch to the OFF position. Motor will now stop. Turn the key back to ON position. The motor should not re-start.
4. VERY SLOWLY move the shift lever from the REVERSE position to the NEUTRAL position until the drive motor starts. See Note C. Mark this position with a pencil. The elevated rear wheel should not turn. If it does turn, then shimming of the neutral switch will be required. In either case proceed to Step 5.
5. With the drive motor running and the shift lever in NEUTRAL position, VERY SLOWLY move the shift lever toward the REVERSE position until the start of transmission engagement is felt and the raised rear wheel just starts to rotate. Mark this position of the shift lever with a pencil. The distance between the two pencil marks (one in Step 4 and the one in Step 5) must be at least one-eighth inch.



6. If the distance is less than one-eighth inch then remove the neutral wires, remove the neutral switch and add one shim from the package of shims provided. Re-assemble switch and wires.
7. Repeat Steps 3 through 6 until the proper neutral switch operational range (one-eighth inch) is obtained.

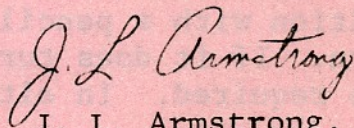
NOTICE; If only one shim is added to adjust the neutral switch range to the one-eighth inch dimension as in Step 5, and the addition of that one shim prevents the drive motor from starting under the same conditions, then replacement of the transmission is in order.

Note A; This test can be performed by using the charger if the Rider does not have batteries installed. First be sure the two loose battery cable ends are not touching each other or the Rider's metal frame. Next, plug in the line cord and turn the timer knob to the START position.

Note B; If the drive motor does not start then re-check controls and try again. If the motor still does not start then by-pass the seat switch by removing the wire terminals from the switch and clip them together. Next try by-passing the neutral switch. If you find the neutral switch is not closing, remove one shim from under the switch and try again. Remove shims one at a time until the drive motor starts in the NEUTRAL shift position.

Note C; Do not forget that the seat switch must be depressed or by-passed for this Step in order for the motor to start.

Yours truly,



J. L. Armstrong, Manager
Dealer Services

JLA:as

SHim (5 per)
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