

SERIAL NUMBER LOCATIONS

SERIAL NUMBERS

When working on machines or components that are covered by warranty, it is **IMPORTANT** that you include the machine's Product Identification Number and the component serial number on the warranty claim form.

The locations of component serial number plates are shown below.

LOCATIONS

PRODUCT IDENTIFICATION NUMBER LOCATION



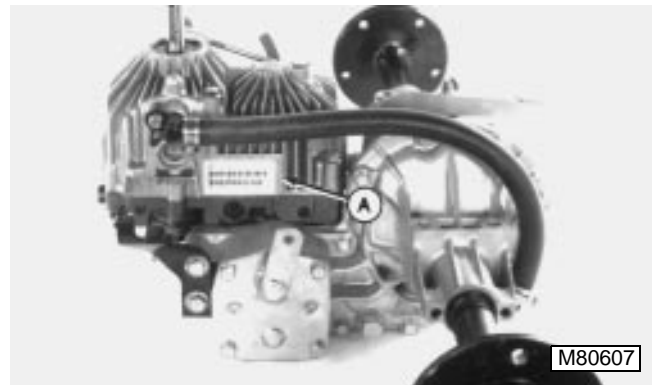
The product identification number (A) is located on the left rear corner of the tractor frame.

ENGINE SERIAL NUMBER LOCATION



The engine serial number is located on the right side of the blower housing.

HYDROSTATIC TRANSMISSION SERIAL NUMBER LOCATION - 245/265/285/320



The hydrostatic transmission serial number (A) is located on the left side of the transmission.

HYDRAULIC LIFT VALVE SERIAL NUMBER LOCATION - 320



NOTE: Platform removed for clarity.

The hydraulic lift valve serial number (A) can be read when lift lever boot is removed. The lift lever is located on the right side of the tractor.

OPERATIONAL CHECKOUT PROCEDURE

BEFORE YOU START



This operational diagnostics procedure is designed for you to perform a quick check of the machine in a step-by-step method.

We recommend you perform these checks of the entire machine. These checks refer you to a specific system on the machine for a more detailed step-by-step method of resolving machine problems. These procedure also provide you with a method to evaluate trade-in equipment and perform an annual checkout.

A large majority of typical machine problems can be resolved using operational diagnostics with your senses of look, listen and feel.

Perform these checks on a level surface. No special tools or equipment are required.

When performing the test or check, be sure to set your machine up to the test conditions listed and follow the sequence carefully. The paragraphs marked "Normal" give the specification or condition that should be obtained when performing the test or check. If the results are not normal, go to the section indicated to correct the not normal condition.

Do the entire procedure before continuing on to another section and corrections of the indicated problem. Once the machine checkout is complete, turn to the appropriate sections in this manual.

BRAKE PEDAL LOCK CHECK

Conditions:

- Operator on seat.

Procedures:



M70812

- Move brake pedal lock lever out of UNLOCK detent into LOCK position.



M70813

- GEAR TRACTORS: Depress both the brake and clutch pedals, fully.
- HYDROSTATIC TRACTORS: Depress brake pedals, fully.

Normal:

- Pedal(s) MUST stay depressed (LOCKED).

Procedure:



M70821

- Pull brake lock lever up into UNLOCK position. Depress pedal(s) fully and release slowly.

Normal:

- Pedal(s) MUST return to normal position.

Not Normal:

- GO TO SECTION 8 OR 9.

INDICATOR LAMP CHECK - ENGINE OFF

Conditions:

- Park brake LOCKED.
- Transmission in NEUTRAL.
- PTO switch OFF.

Procedures:

- Turn key switch ON.

Normal:



M70814

- Oil pressure lamp (not on 240 or 245 Tractors) MUST be ON.
- Battery discharge lamp MUST be ON.
- Low fuel lamp will come ON only if fuel level is low.
- Coolant temperature lamp (285 and 320 Tractor only) MUST be OFF.
- Hour meter (optional on 240 Tractor) MUST be clicking.

Not Normal:

- GO TO SECTION 7.

TRANSMISSION NEUTRAL START CHECK

Conditions:



CAUTION

Be aware that if neutral start circuit is defective, tractor will start and move forward. Make sure no persons and/or objects are near the tractor.

- Operator on seat.
- PTO switch OFF.

Procedures:



M70815

- Put gear lever in first gear, or hydrostatic lever in slow forward.
- Turn key switch to START.

Normal:

- Starter MUST NOT crank engine.

Not Normal:

- GO TO SECTION 7.

PTO/SAFETY START CHECK

Procedure:



CAUTION

Be aware that if PTO neutral start circuit is defective, tractor will start and PTO will engage immediately. Make sure no persons and/or objects are near the attachment.

Conditions:

- Operator on seat.
- Brake pedal LOCKED.
- Transmission in NEUTRAL.

Procedures:



M70816

- Turn PTO switch ON.
- Turn key switch to START.

Normal:

- Starter MUST NOT crank engine.

Not Normal:

- GO TO SECTION 7.

STARTING CIRCUIT CHECK - HYDROSTATIC TRACTORS

NOTE: Gear tractors GO TO NEXT PROCEDURE.

Conditions:

- Operator on seat.
- Transmission in neutral.
- Brake pedal LOCKED.
- PTO switch OFF.



M70820

- Turn key switch to START.

Normal:

- Starter MUST crank engine. Engine MUST start.

Not Normal:

- GO TO SECTION 7.

STARTING CIRCUIT CHECK - GEAR TRACTORS

Conditions:

- Operator on seat.
- Clutch and park brake LOCKED.
- Transmission in NEUTRAL.
- PTO switch OFF.

Procedure:



M70820

- Turn key switch to START.

Normal:

- Starter MUST crank engine. Engine MUST start.

Not Normal:

- GO TO SECTION 7.

INDICATOR LAMP CHECK - ENGINE RUNNING

Conditions:

- Operator on seat.
- Park brake LOCKED.
- Transmission in NEUTRAL.
- PTO switch OFF.

Procedure:

- Run engine at FULL throttle.

Normal:



M70817

- Oil pressure lamp (not on 240 or 245 Tractors) MUST be OFF.
- Battery discharge lamp MUST be OFF.
- Low fuel lamp will only come ON if fuel level is low.
- Coolant temperature lamp (285 and 320 Tractors only) MUST be OFF.
- Hour meter (optional on 240 Tractors) MUST be clicking.

Not Normal:

- GO TO SECTION 7.

THROTTLE AND CHOKE LEVER CHECK - ENGINE RUNNING

Conditions:

- Operator on seat.
- Park brake LOCKED.
- Transmission in NEUTRAL.
- PTO switch OFF.

Procedures:

START engine.



M70818

- Move throttle lever from SLOW TO FAST to SLOW idle.

Normal:

- Lever MUST contact stop at FAST and SLOW idle positions.
- Engine MUST accelerate and decelerate SMOOTHLY without hesitation.

Procedure:



M70822

- Move throttle into CHOKE position (not on 285 F.I. Tractors), then return to FAST idle position.

Normal:

- Engine MUST falter, then resume FAST speed.

Not Normal:

- ALL TRACTORS EXCEPT 285 F.I. TRACTOR GO TO SECTION 3 AND 4.
- 285 F.I. TRACTOR GO TO SECTION 5.



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading