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› Case 444 Lawn & Garden Tractor Service Manual

Case 444

Case 444 Lawn & Garden Tractor Service Manual

Detailed Instructions for Maintenance and Repair

INTRODUCTION

This service manual provides essential information for the proper maintenance, adjustment, and repair of Case 444 Lawn & Garden Tractors. Adhering to these instructions will help ensure the longevity and optimal performance of your equipment. Please read all sections carefully before performing any service procedures.

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Image: Front cover of the J.I. Case Service Manual, indicating coverage for models 220, 222, 224, 444, and 644 Compact tractors.

MAINTENANCE

Regular maintenance is crucial for the reliable operation of your Case Lawn & Garden Tractor. This section details

specific procedures for key components.

Air Intake System

Proper air intake is vital for engine performance and longevity. Regularly inspect and service the air cleaner components.

Dry Air Cleaners - Service Replacement

Dry type elements should be replaced after 100 to 200 hours of operation. In dusty or dirty conditions, more frequent replacement is necessary. To replace, remove the element and tap it gently on a flat surface to dislodge loose dirt. Do not wash dry elements in any liquid or attempt to blow dirt off with air hose, as this can puncture the element. Always handle new elements carefully to avoid damage.

Precleaners

Precleaners are available for use with dry type air cleaners. The precleaner can significantly extend the life of the dry element. To service, remove the precleaner, clean it thoroughly, and then rinse with water. Allow it to air dry completely before reinstallation. Do not oil the precleaner element.

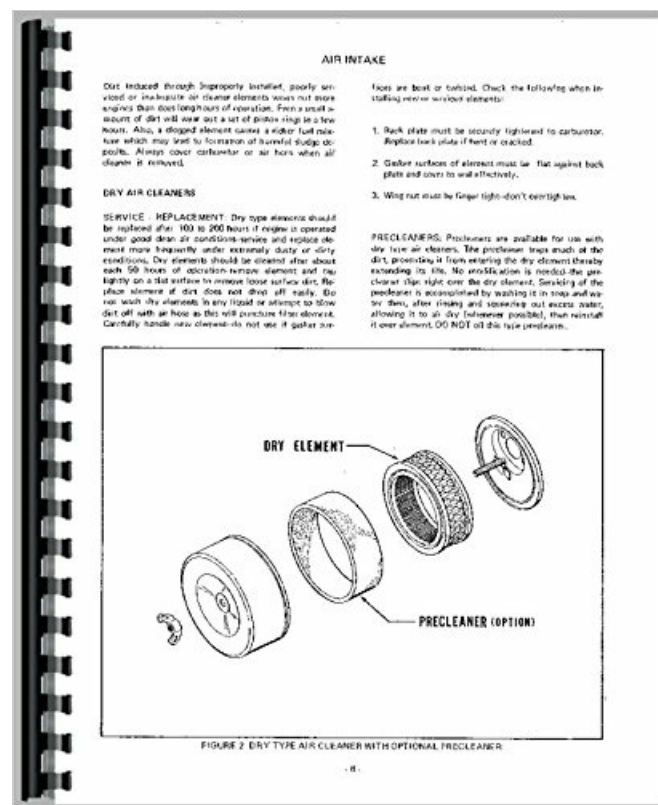


Image: Diagram illustrating the components of a dry type air cleaner, including the dry element and an optional precleaner, labeled as Figure 2.

Throttle and Governor Adjustment

Accurate throttle and governor settings are essential for consistent engine speed and power output.

1. With the engine not running, hold the throttle shaft and loosen the nut. Position the throttle arm in the full open position against the high idle stop.
2. Loosen the governor with retainer nut and adjust the throttle link so the governor arm is vertical when the throttle is full open.
3. Turn the governor shaft counter-clockwise as far as possible with a pair of pliers and with the governor arm in the vertical position, tighten the governor arm retainer nut.
4. Tighten generator belt to 1/4" (0.6 cm) deflection (down tight) between the pulleys. Start the engine and check the high idle speed; the vibration tachometer is 2.8 times faster than engine speed. The engine high idle speed should be 3600 RPM.

5. To adjust the high speed stop on the side of the engine, loosen the hex head screw and move the stop screw down. With the high speed screw properly set to 3600 RPM, tighten the screw.

Sensitivity Adjustment

Governor sensitivity can be adjusted by repositioning the governor spring in the holes on the governor arm and speed control brackets. If the spring is moved to a lower hole, the governor will be less sensitive. If a lag or drop in speed occurs with a normal load applied, the governor should be set for greater sensitivity. Normally, the governor spring is placed in the third hole from the bottom on the governor arm bracket. To increase sensitivity, move the spring to a higher hole. To decrease sensitivity, move the spring to a lower hole.

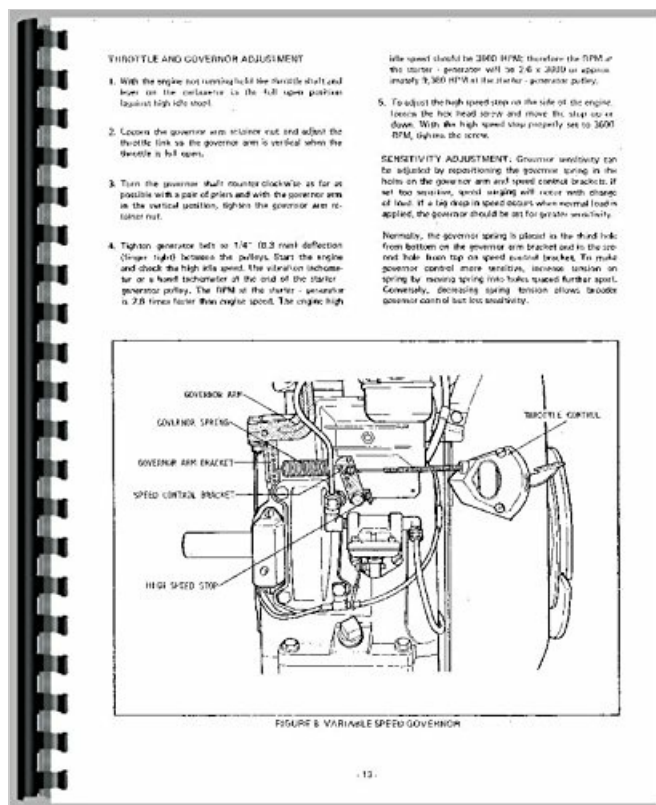


Image: Diagram labeled Figure 8, showing the components of a variable speed governor, including the governor arm, governor spring, speed control bracket, and high speed stop.

SETUP

This manual primarily focuses on service and repair. For initial setup and assembly instructions, please refer to the original owner's manual that accompanied your Case Lawn & Garden Tractor. Ensure all safety precautions are followed during setup.

OPERATING

This service manual does not cover general operating procedures. For detailed instructions on how to operate your Case Lawn & Garden Tractor, including starting, driving, and engaging implements, consult the original owner's manual. Always prioritize safety during operation.

TROUBLESHOOTING

While this manual provides detailed repair procedures, specific troubleshooting guides for common operational issues are typically found in the owner's manual. For issues related to air intake or governor performance, refer to the relevant sections within this service manual. If problems persist, consult a qualified service technician.

SPECIFICATIONS

- **ASIN:** B011T12SG2
- **Publisher:** Jensales

WARRANTY AND SUPPORT

Information regarding product warranty and direct customer support for this service manual is not provided within the available product data. For inquiries about the manual itself, please contact the publisher, Jensales, or the vendor from whom it was purchased.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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