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> Ford 105A Series Tillers Operator's Manual Models 40-52-60

## Ford 105A series Tillers models 40-52-60

# Ford 105A Series Tillers Operator's Manual

Models: 40, 52, 60

## INTRODUCTION

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This operator's manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Ford 105A series tiller. It covers models 40, 52, and 60. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

For specific details regarding your tiller's components, refer to the relevant sections. Always keep this manual accessible for future reference.

## SAFETY INFORMATION

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Operating agricultural machinery requires careful attention to safety. Always follow these general safety guidelines:

- Read and understand all instructions in this manual before operation.
- Wear appropriate personal protective equipment (PPE), including safety glasses, sturdy footwear, and hearing protection.
- Ensure all guards and safety devices are in place and functioning correctly.
- Keep bystanders, especially children and pets, away from the operating area.
- Never operate the tiller under the influence of alcohol or medication that impairs judgment.
- Before performing any maintenance or adjustments, turn off the engine and disconnect the spark plug wire.

## SETUP AND ASSEMBLY

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This section outlines the initial steps for preparing your Ford 105A series tiller for operation. While specific assembly steps may vary slightly between models (40, 52, 60), the general principles remain consistent.

### Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect for any shipping damage. Contact your dealer immediately if damage is found.

- Verify all parts listed in the packing list are present.

## Handlebar Assembly

Attach the handlebars to the main unit using the provided bolts and nuts. Ensure they are securely fastened and adjusted to a comfortable operating height.

## Wheel/Tine Assembly

Depending on your model, attach the transport wheels or tines as instructed. Ensure all pins and fasteners are correctly installed to prevent detachment during operation.

## Fluid Checks

- **Engine Oil:** Check the engine oil level using the dipstick. Fill to the recommended level with the specified oil type (refer to engine manufacturer's recommendations).
- **Fuel:** Fill the fuel tank with fresh, clean gasoline. Do not overfill. Ensure the fuel cap is securely tightened.
- **Transmission Fluid (if applicable):** Verify the transmission fluid level.

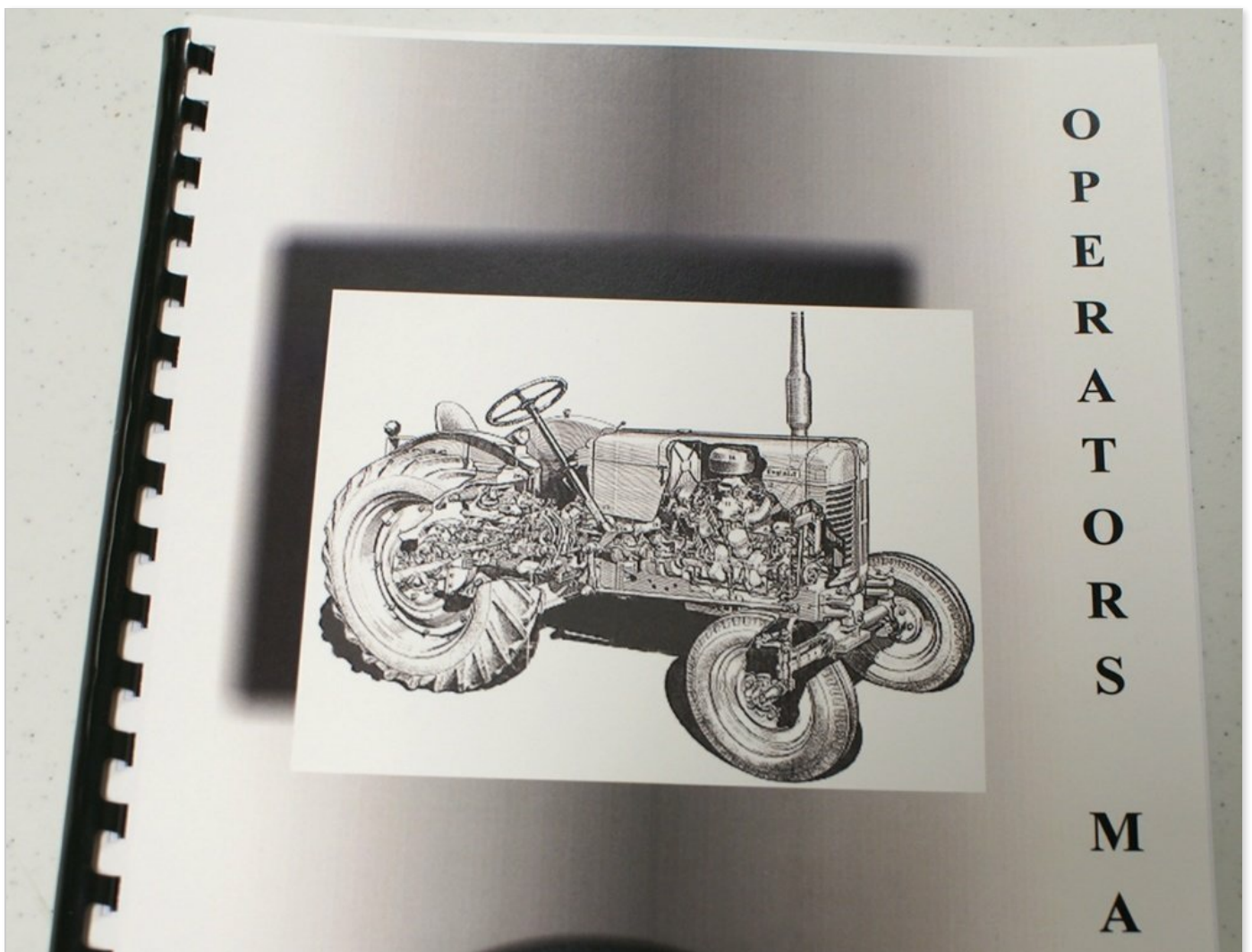


Figure 1: Cover of the Ford 105A Series Tillers Operator's Manual. This image represents the manual itself, which contains detailed diagrams and instructions for setup and operation.

## OPERATING INSTRUCTIONS

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This section provides guidance on starting, operating, and stopping your tiller safely and effectively.

### Pre-Operation Checklist

- Check engine oil and fuel levels.
- Inspect tines for damage or debris.
- Ensure all fasteners are tight.
- Clear the work area of obstacles.

## Starting the Engine

1. Move the throttle lever to the "FAST" position.
2. Engage the choke (if cold engine).
3. Pull the starter rope firmly until the engine starts.
4. Gradually disengage the choke as the engine warms up.

## Tilling Operation

- Adjust the depth stake for desired tilling depth.
- Engage the tines carefully.
- Guide the tiller at a steady pace, allowing the tines to work the soil.
- Overlap passes slightly to ensure complete coverage.

## Stopping the Engine

1. Move the throttle lever to the "SLOW" or "IDLE" position.
2. Disengage the tines.
3. Turn the engine switch to the "OFF" position.
4. Allow the engine to cool before storage.

## MAINTENANCE PROCEDURES

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Regular maintenance is crucial for the longevity and optimal performance of your Ford 105A series tiller. Perform these procedures at the recommended intervals.

### After Each Use

- Clean debris from tines and housing.
- Inspect for loose fasteners or damaged parts.

### Every 10 Hours of Operation or Annually

- **Engine Oil Change:** Drain old oil and refill with new, specified engine oil.
- **Air Filter:** Clean or replace the air filter element.
- **Spark Plug:** Inspect, clean, and adjust the spark plug gap. Replace if necessary.
- **Lubrication:** Grease all lubrication points as indicated in the detailed manual.

### Storage

For extended storage, prepare your tiller as follows:

- Drain the fuel tank or add a fuel stabilizer.
- Remove the spark plug and pour a small amount of engine oil into the cylinder. Turn the engine over a few times to distribute the oil, then reinstall the spark plug.
- Clean the entire tiller thoroughly.
- Store in a dry, protected area.

## TROUBLESHOOTING

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This section provides solutions to common operational issues. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine Fails to Start	No fuel; Spark plug faulty; Choke not set; Engine flooded	Check fuel level; Clean/replace spark plug; Adjust choke; Allow engine to clear
Loss of Power During Operation	Clogged air filter; Low fuel; Incorrect throttle setting	Clean/replace air filter; Refuel; Adjust throttle
Tines Not Engaging Properly	Debris wrapped around tines; Drive belt loose/damaged	Clear debris (engine off!); Inspect/adjust/replace drive belt

## SPECIFICATIONS

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The following are general specifications for the Ford 105A series tillers. Specific details may vary by model (40, 52, 60).

- **Publisher:** Ford
- **Publication Date:** April 16, 1977
- **ASIN:** B007HMX6HS

For detailed engine specifications, including horsepower, displacement, and fuel capacity, please refer to the engine manufacturer's manual or the specific model section within this document.

## WARRANTY AND SUPPORT

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Information regarding product warranty and customer support for the Ford 105A series tillers is not available in the provided documentation. Please consult your original purchase agreement or contact a Ford agricultural equipment dealer for details on warranty coverage and support services.

