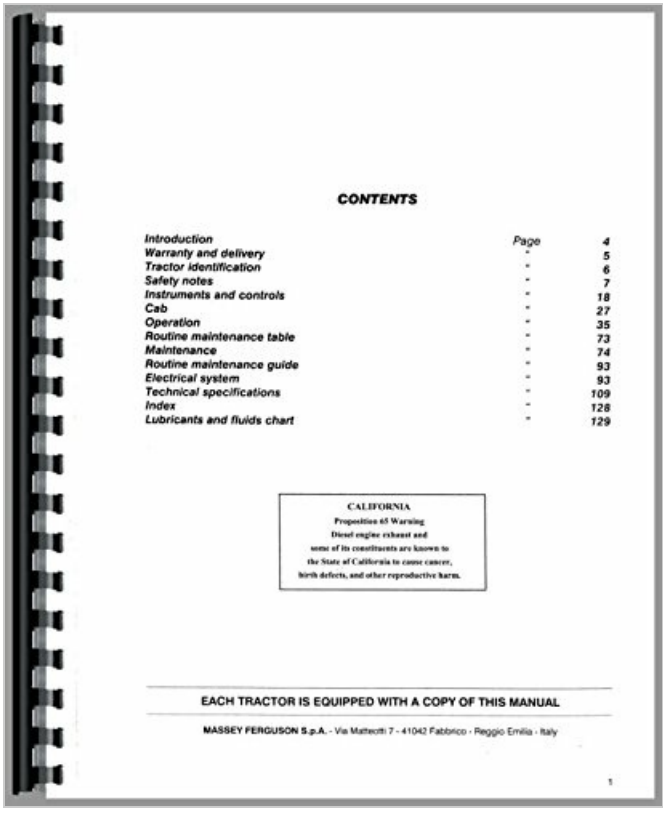
Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

MASSEY FERGUSON 374S

MASSEY FERGUSON 374S Diesel 2&4WD Tractor Operator's Manual

Model: 374S Diesel 2&4WD



CONTENTS

Introduction	Page	4
Warranty and delivery	"	5
Tractor identification	"	6
Safety notes	"	7
Instruments and controls	"	18
Cab	"	27
Operation	"	35
Routine maintenance table	"	73
Maintenance	"	74
Routine maintenance guide	"	93
Electrical system	"	93
Technical specifications	"	109
Index	"	128
Lubricants and fluids chart	"	129

CALIFORNIA
Proposition 65 Warning
Diesel engine exhaust and
some of its constituents are known to
the State of California to cause cancer,
birth defects, and other reproductive harm.

EACH TRACTOR IS EQUIPPED WITH A COPY OF THIS MANUAL

MASSEY FERGUSON S.p.A. - Via Matteotti 7 - 41042 Fabbrico - Reggio Emilia - Italy

1

Figure 1: Front cover of the Operator's Manual.

1. Introduction

This manual provides essential information for the safe and efficient operation and maintenance of your MASSEY FERGUSON 374S Diesel 2&4WD Tractor. It is a digitally enhanced reproduction of the original manufacturer-issued owner's manual, containing 140 pages of critical details. This guide is indispensable for preserving your machine and ensuring its longevity. Please read this manual thoroughly before operating the tractor. Understanding its contents will help you maximize performance, ensure safety, and perform necessary upkeep procedures.

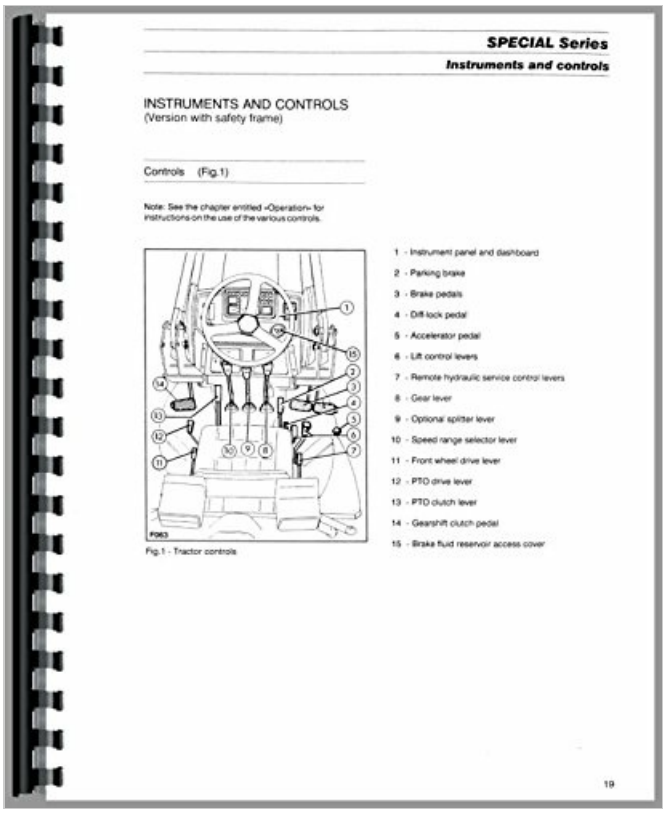


Figure 2: Excerpt from the Introduction section, highlighting important operational notes and warnings.

Safety Notes

Safety is paramount when operating any machinery. Always observe all safety warnings and instructions provided in this manual and on the tractor itself. Pay close attention to sections marked with **WARNING** and **CAUTION** symbols.

- **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices.
- Always ensure all guards and panels are in place before operation.
- Refer to the manual for specific instructions on operating controls and systems.

2. Initial Setup and Pre-Operation Checks

Before operating the MASSEY FERGUSON 374S Tractor for the first time, or after extended storage, perform the following initial setup and pre-operation checks to ensure safe and efficient performance.

1. **Fluid Levels:** Check engine oil, coolant, hydraulic fluid, and fuel levels. Ensure they are within the recommended ranges. Refer to the "Lubricants and Fluids Chart" section for specific types and capacities.
2. **Tire Pressure:** Verify that all tires are inflated to the correct pressure as specified in the technical specifications section.
3. **Battery:** Inspect battery terminals for corrosion and ensure connections are secure.
4. **Lights and Indicators:** Test all lights, turn signals, and dashboard indicators for proper function.
5. **Brakes:** Check brake pedal free play and ensure effective braking.
6. **Safety Devices:** Confirm that all safety guards, shields, and interlocks are correctly installed and functioning.
7. **Operator's Seat:** Adjust the operator's seat for comfort and accessibility to controls.

For detailed instructions on specific checks, consult the relevant sections of this manual.

3. Operating Instructions

This section details the operation of the MASSEY FERGUSON 374S Tractor, including controls, starting procedures, and driving guidelines.

3.1 Instruments and Controls

Familiarize yourself with the location and function of all instruments and controls before operating the tractor.

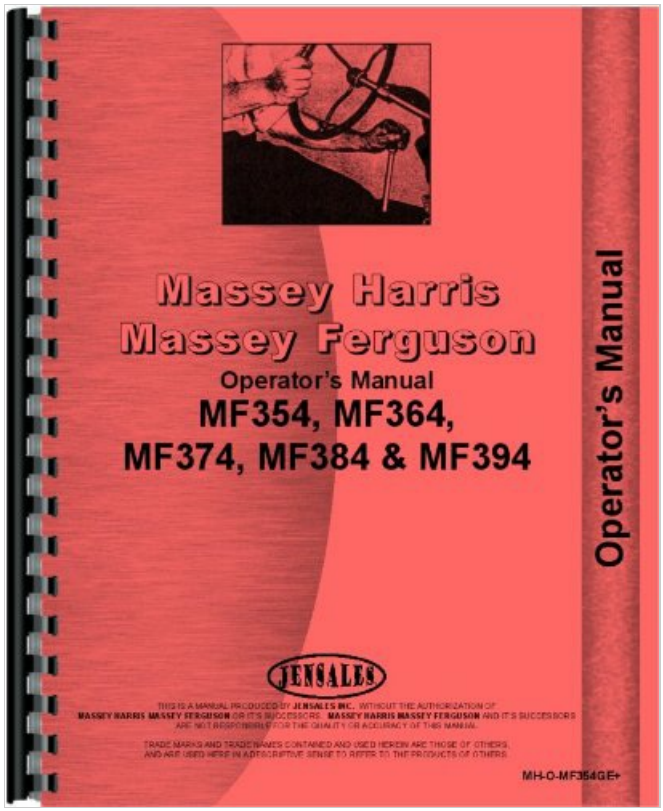


Figure 3: Tractor controls layout (Version with safety frame).

1. Instrument panel and dashboard
2. Parking brake
3. Brake pedals
4. Differential lock pedal
5. Accelerator pedal
6. Lift control levers
7. Remote hydraulic service control levers
8. Gear lever
9. Optional splitter lever
10. Speed range selector lever
11. Front wheel drive lever
12. PTO drive lever
13. PTO clutch lever
14. Gearshift clutch pedal
15. Brake fluid reservoir access cover

Refer to the specific sections in this manual for detailed operation of each control.

3.2 Starting the Engine

1. Ensure the gear lever is in neutral and the parking brake is engaged.
2. Turn the ignition key to the "ON" position and wait for indicator lights to perform their self-check.

3. Turn the ignition key further to the "START" position. Release the key once the engine starts.
4. Allow the engine to warm up for a few minutes before engaging in heavy work.

3.3 Driving the Tractor

- Always wear your seatbelt if the tractor is equipped with a Roll-Over Protective Structure (ROPS).
- Select the appropriate gear for the terrain and task.
- Engage the clutch smoothly when changing gears.
- Maintain a safe speed and be aware of your surroundings.
- Avoid sudden turns, especially on slopes or with heavy loads.

4. Maintenance

Regular maintenance is crucial for the longevity and reliable operation of your MASSEY FERGUSON 374S Tractor. This section outlines routine maintenance procedures and schedules.

4.1 Routine Maintenance Schedule

Perform the following checks and services at the specified intervals. Refer to the full manual for detailed instructions on each task.

Interval	Task
Daily / Every 10 Hours	Check engine oil level, coolant level, hydraulic fluid level, tire pressure, and inspect for leaks.
Every 50 Hours	Lubricate chassis grease points, check battery electrolyte level, clean air filter pre-cleaner.
Every 250 Hours	Change engine oil and filter, check fan belt tension, inspect fuel filter.
Every 500 Hours	Replace fuel filter, replace hydraulic filter, check brake fluid level, inspect steering linkages.
Annually / Every 1000 Hours	Change transmission/hydraulic oil, replace air filter element, inspect all hoses and belts.

4.2 Lubricants and Fluids

Use only recommended lubricants and fluids to ensure optimal performance and prevent damage. Refer to the "Lubricants and Fluids Chart" in the complete manual for specific types, grades, and capacities for engine oil, transmission fluid, hydraulic fluid, coolant, and grease.

- **Engine Oil:** Consult the manual for viscosity and API service classification based on ambient temperature.
- **Coolant:** Use a high-quality ethylene glycol-based coolant mixed with distilled water according to manufacturer specifications.
- **Hydraulic/Transmission Fluid:** Specific universal tractor transmission fluid (UTTO) is required.
- **Grease:** Use a multi-purpose lithium-based grease for all lubrication points.

5. Troubleshooting

This section provides guidance on identifying and resolving common operational issues. For complex problems, contact an authorized MASSEY FERGUSON service technician.

Problem	Possible Cause	Solution
Engine fails to start	Low fuel, dead battery, clogged fuel filter, faulty starter.	Check fuel level, charge/replace battery, replace fuel filter, inspect starter motor.

Problem	Possible Cause	Solution
Loss of hydraulic power	Low hydraulic fluid level, clogged hydraulic filter, faulty pump.	Check/add hydraulic fluid, replace hydraulic filter, consult technician for pump issues.
Overheating engine	Low coolant level, clogged radiator, faulty thermostat, loose fan belt.	Check/add coolant, clean radiator fins, replace thermostat, adjust fan belt tension.
Excessive smoke from exhaust	Incorrect fuel, clogged air filter, engine timing issues, worn injectors.	Use correct diesel fuel, clean/replace air filter, consult technician for engine timing/injector issues.

Always refer to the detailed troubleshooting guide in the complete manual for more comprehensive solutions.

6. Technical Specifications

This section provides key technical specifications for the MASSEY FERGUSON 374S Diesel 2&4WD Tractor.

- **Model:** 374S Diesel
- **Drive Type:** 2-Wheel Drive (2WD) and 4-Wheel Drive (4WD) variants
- **Engine Type:** Diesel
- **Manual Type:** Operator's Manual (Digitally enhanced reproduction)
- **Pages:** 140
- **Publisher:** Jensales
- **ASIN:** B011T0QA62
- **Applicable Models:** This manual is also applicable to Massey Ferguson models 354F, 354GE, 354S, 364F, 364GE, 364S, 374A, 374F, 374GE, 384A, 384F, 384GE, 384S, 394A, 394F, 394GE, 394S, and 394TA Diesel Tractors (2 and 4 Wheel Drive).

For complete and detailed specifications, including engine horsepower, dimensions, weight, and fluid capacities, refer to the full manual.

7. Warranty and Support

This operator's manual is a reproduction and does not include specific warranty information for the tractor itself. For details regarding your tractor's warranty, please refer to the original purchase documentation or contact an authorized MASSEY FERGUSON dealer.
For technical support, genuine spare parts, or service inquiries, it is recommended to contact your local authorized MASSEY FERGUSON dealer. They possess the expertise and resources to provide accurate assistance and ensure the use of correct components for your specific model.
The publisher of this manual, Jensales, provides this reproduction as an informational resource. For inquiries related to the manual itself, please contact Jensales directly.

MASSEY FERGUSON is a registered trademark. All rights reserved.
This document is for informational purposes only and is a reproduction of the original operator's manual.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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

Details

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

Submit question

Open the live page

https://manuals.plus/asin/B011T0QA62

More documents and user manuals: **https://manuals.plus/**