

international 574 tractor manual

International 574 tractor manual is a vital resource for both new and experienced operators of this robust piece of agricultural machinery. The International 574 tractor, manufactured by International Harvester (IH) in the 1970s, is known for its reliability, versatility, and relatively simple design. This manual not only provides essential operational guidelines but also serves as a comprehensive guide to maintenance, troubleshooting, and repair. Understanding the various components and functions of the International 574 will ensure optimal performance and longevity of the tractor.

Overview of the International 574 Tractor

The International 574 tractor is a utility tractor that has been widely used in farming and agricultural tasks. Designed for both small and medium-sized farms, it boasts several features that cater to a variety of farming needs.

Key Specifications

1. Engine: The International 574 is equipped with a 4-cylinder diesel engine, which provides a good balance of power and fuel efficiency.
2. Horsepower: This tractor typically produces around 57 horsepower, making it suitable for a range of agricultural operations.
3. Transmission: It features a gear-driven transmission system, which enhances its durability and ease of use.
4. Weight: The tractor's weight is approximately 5,000 pounds, providing stability during operation.
5. Dimensions: The overall length is about 132 inches, width is around 70 inches, and height is approximately 85 inches, making it compact yet powerful.

Features and Capabilities

- Hydraulic System: The hydraulic system allows for the operation of various implements, such as plows, cultivators, and loaders, making the tractor versatile.
- PTO (Power Take-Off): The International 574 comes with a standard PTO system, enhancing its capability to drive attached equipment like mowers and balers.
- Tires: The tractor typically features large rear tires that provide excellent traction in various soil conditions, which is essential for effective farming operations.

Understanding the Manual

The International 574 tractor manual is structured to provide users with a comprehensive understanding of the tractor's operation and maintenance. It is divided into several sections, each focusing on a specific aspect of the tractor.

Safety Precautions

Safety is paramount when operating any machinery, and the International 574 is no exception. The manual outlines essential safety guidelines, including:

- Always wear appropriate personal protective equipment (PPE), such as gloves and safety glasses.
- Ensure that the tractor is in neutral before starting the engine.
- Avoid operating the tractor on steep slopes to prevent rollovers.
- Never exceed the tractor's rated load capacity.

Operating Instructions

1. Starting the Tractor:

- Turn the fuel valve to the "on" position.
- Ensure the transmission is in neutral.
- Turn the ignition key to start the engine.
- Allow the engine to warm up before engaging in heavy work.

2. Using the Controls:

- Familiarize yourself with the location and function of the controls, including the throttle, clutch, and gear shifter.
- Pay attention to the indicator lights on the dashboard for maintenance alerts.

3. Engaging Implements:

- Ensure that the tractor is at a complete stop before attaching or detaching any implements.
- Use the hydraulic controls to raise or lower attached implements smoothly.

Maintenance Guidelines

Regular maintenance is crucial for prolonging the life of the International 574 tractor. The manual provides detailed instructions for:

- Oil Change:
 - Change the engine oil every 100 hours of operation or at least once a year.
 - Use the recommended oil grade specified in the manual.
- Filter Replacement:
 - Replace the oil filter, fuel filter, and air filter regularly, as per the maintenance schedule.
- Tire Maintenance:
 - Check tire pressure regularly and ensure tires are properly inflated.
 - Inspect tires for wear and replace them as needed.
- Battery Care:
 - Clean battery terminals to prevent corrosion.
 - Check the battery charge regularly, especially before the planting or harvesting season.

Troubleshooting Common Issues

Despite its reliability, operators may encounter issues with the International 574 tractor. The manual includes a troubleshooting section that addresses common problems:

Starting Problems

- Symptoms: Engine cranks but does not start.
- Possible Causes:
 - Fuel supply issues (check fuel valve and lines).
 - Dead battery (test and recharge if necessary).
 - Faulty ignition switch (check for electrical continuity).

Hydraulic Issues

- Symptoms: Implements do not raise or lower correctly.
- Possible Causes:
 - Low hydraulic fluid levels (check and refill as necessary).
 - Air in the hydraulic lines (bleed the system as per instructions).
 - Faulty hydraulic pump (inspect and replace if needed).

Engine Overheating

- Symptoms: Temperature gauge reads high.
- Possible Causes:
 - Low coolant levels (check and replenish).
 - Clogged radiator (clean as required).
 - Malfunctioning thermostat (test and replace if faulty).

Parts and Accessories

The International 574 tractor manual also includes information about available parts and accessories. Operators can find details on:

- Replacement parts: Original equipment manufacturer (OEM) parts vs. aftermarket options.
- Recommended accessories: Front-end loaders, backhoes, and tillers that can enhance the tractor's capability.
- Maintenance kits: Bundled kits that include essential oil, filters, and fluids for routine upkeep.

Conclusion

The International 574 tractor manual is an indispensable guide for anyone operating or maintaining this classic tractor. With clear instructions on operation, maintenance, and troubleshooting, it ensures that users can maximize the tractor's performance and lifespan. By following the guidelines detailed in the manual, operators can ensure their International 574 remains a reliable workhorse on the farm for years to come. Proper care and knowledge of this powerful machinery not only enhance productivity but also contribute to the overall success of agricultural endeavors.

Frequently Asked Questions

What is the purpose of the International 574 tractor manual?

The International 574 tractor manual provides detailed information on operation, maintenance, and troubleshooting for the tractor, ensuring optimal performance and longevity.

Where can I find a digital copy of the International 574 tractor manual?

Digital copies of the International 574 tractor manual can often be found on agricultural equipment websites, forums, or by contacting local dealerships that specialize in International Harvester products.

What are the key maintenance tasks outlined in the International 574 tractor manual?

Key maintenance tasks include checking and changing the oil, inspecting the air filter, greasing fittings, checking tire pressure, and ensuring that hydraulic fluids are at appropriate levels.

Does the International 574 tractor manual include troubleshooting guides?

Yes, the International 574 tractor manual typically includes troubleshooting guides that help users identify and resolve common issues such as starting problems or hydraulic failures.

Is the International 574 tractor manual suitable for beginners?

Yes, the International 574 tractor manual is written in a way that is accessible for beginners, providing clear instructions and diagrams to help new operators understand the tractor's functions.

What specifications can I find in the International 574 tractor

manual?

The manual includes specifications such as engine performance, hydraulic system details, dimensions, and fuel requirements, which are essential for proper operation and maintenance.

Can I use the International 574 tractor manual for other models?

While the International 574 tractor manual is specific to that model, some information may be applicable to similar models within the International Harvester lineup, but always verify with the specific manual for accuracy.

How often should I refer to the International 574 tractor manual for maintenance?

It is advisable to refer to the International 574 tractor manual regularly, especially before and after use, and at scheduled maintenance intervals, to ensure proper care and operation.

Are there safety guidelines included in the International 574 tractor manual?

Yes, the manual includes safety guidelines to help prevent accidents and injuries, emphasizing proper operation techniques and the use of safety gear.

How can I request a printed version of the International 574 tractor manual?

You can request a printed version of the International 574 tractor manual by contacting an authorized International Harvester dealer or checking online marketplaces that specialize in agricultural manuals.

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