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› AgPubs Service Shop Repair Manual for International Farmall Tractors Models 454, 464, 484

AgPubs 454 464 484 International Farmall Tractor

AgPubs Service Shop Repair Manual

INTERNATIONAL FARMALL TRACTORS MODELS 454, 464, 484

Comprehensive Service, Repair, and Troubleshooting Guide

1. Introduction

This AgPubs Service Shop Repair Manual is an essential resource for owners and technicians working with International Farmall Tractor models 454, 464, and 484. It provides detailed, factory-authored instructions for the diagnosis, repair, and overhaul of various chassis components and systems.

Important Note: This manual covers the entire chassis, including systems such as steering, fuel, electrical, cooling, clutch, transmission, differential, axles, brakes, independent power take-off (PTO), and hydraulic systems. However, due to variations in engine configurations, **engine-specific repair procedures are not included**. A separate engine manual is required for detailed engine service.



Image 1.1: Front cover of the AgPubs Service Shop Repair Manual. This image displays the manual's title, indicating it is a service manual for 454, 464, 484, 584, 674, 884, 784, 884 and 84 hydro Tractors, published by International Harvester.

2. Manual Structure and Navigation

The manual is organized into distinct, numbered sections to facilitate easy navigation and quick access to specific repair information. Each section focuses on a particular system or component group of the tractor.

Section	
1	ROPS – LOADER – TRACTOR SPLITS
2	FRONT END, AXLE, AND WHEELS
3	STEERING
4	ENGINE
5	FUEL SYSTEM
6	ELECTRICAL SYSTEM
7	COOLING SYSTEM
8	CLUTCH AND FLYWHEEL
9	TRANSMISSION
10	DIFFERENTIAL
11	REAR AXLE, HOUSING, AND WHEELS
12	BRAKES
13	INDEPENDENT POWER TAKE-OFF
14	HYDRAULIC SYSTEM

Image 2.1: An internal page from the manual displaying a list of major sections. Examples include ROPS – Loader – Tractor Splits, Front End, Axle, and Wheels, Steering, Fuel System, Electrical System, Cooling System, Clutch and Flywheel, Transmission, Differential, Rear Axle, Housing, and Wheels, Brakes, Independent Power Take-Off, and Hydraulic System.

Users should refer to the relevant section for detailed procedures, diagrams, and specifications pertaining to the component requiring service. This structured approach ensures that all necessary information for a repair is consolidated in one place.

3. Repair Procedures

This manual provides step-by-step instructions for disassembling, inspecting, repairing, and reassembling various tractor components. Each procedure is designed to guide the technician through the process efficiently and accurately.

3.1. Loader Removal

Detailed instructions are provided for the safe and effective removal of the loader assembly. This includes steps for disconnecting hydraulic lines, supporting the loader, and detaching mounting bolts.

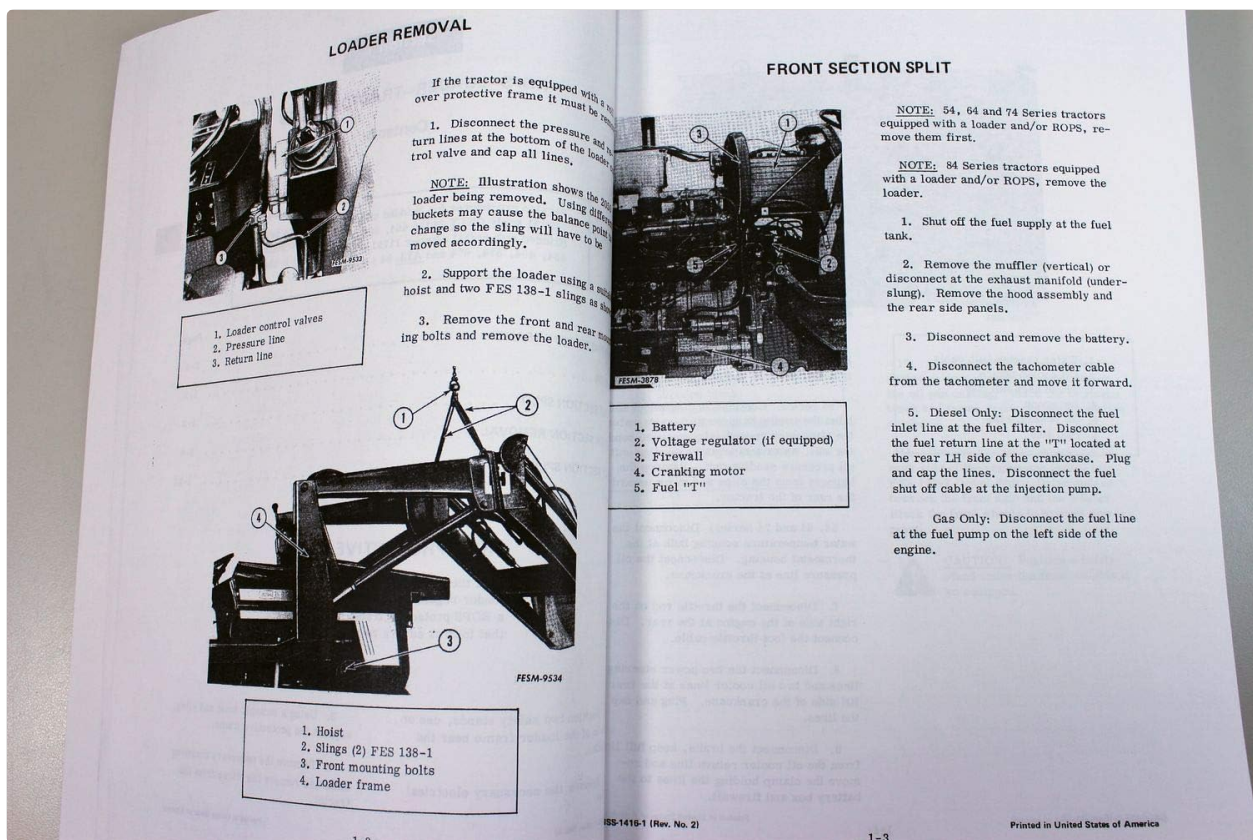


Image 3.1: A page from the manual illustrating the loader removal process. The image includes diagrams of the loader assembly and numbered steps for disconnection and removal, emphasizing safety precautions.

3.2. Rear Section Split

Instructions for splitting the tractor's rear section are included, which is often necessary for accessing components like the transmission or differential. This section outlines the use of hydraulic jacks and proper support techniques.

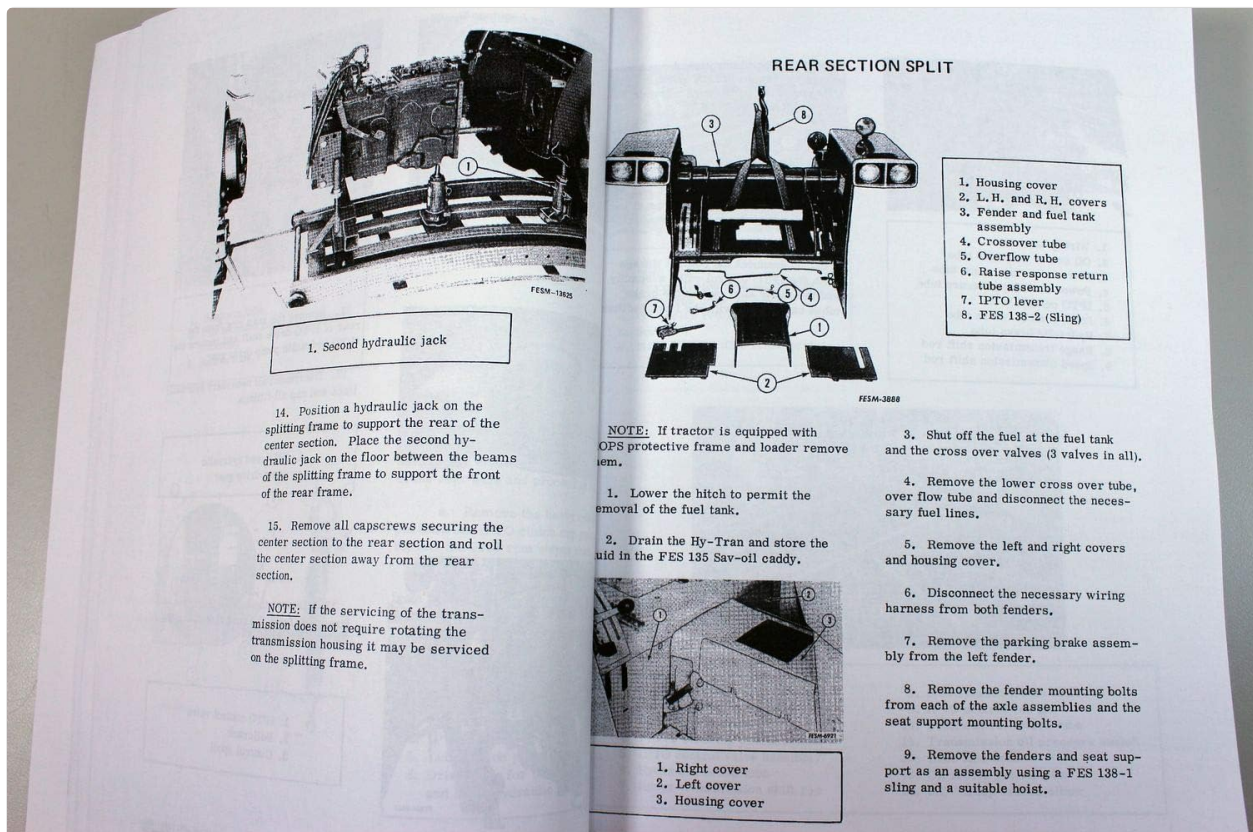


Image 3.2: A manual page showing the procedure for splitting the rear section of the tractor. Diagrams highlight key points for hydraulic jack placement and component separation.

3.3. Front Axle Removal

The manual details the process for removing the front axle, including steps for preparing the tractor, disconnecting components, and safely detaching the axle assembly. Torque specifications for reinstallation are also provided.

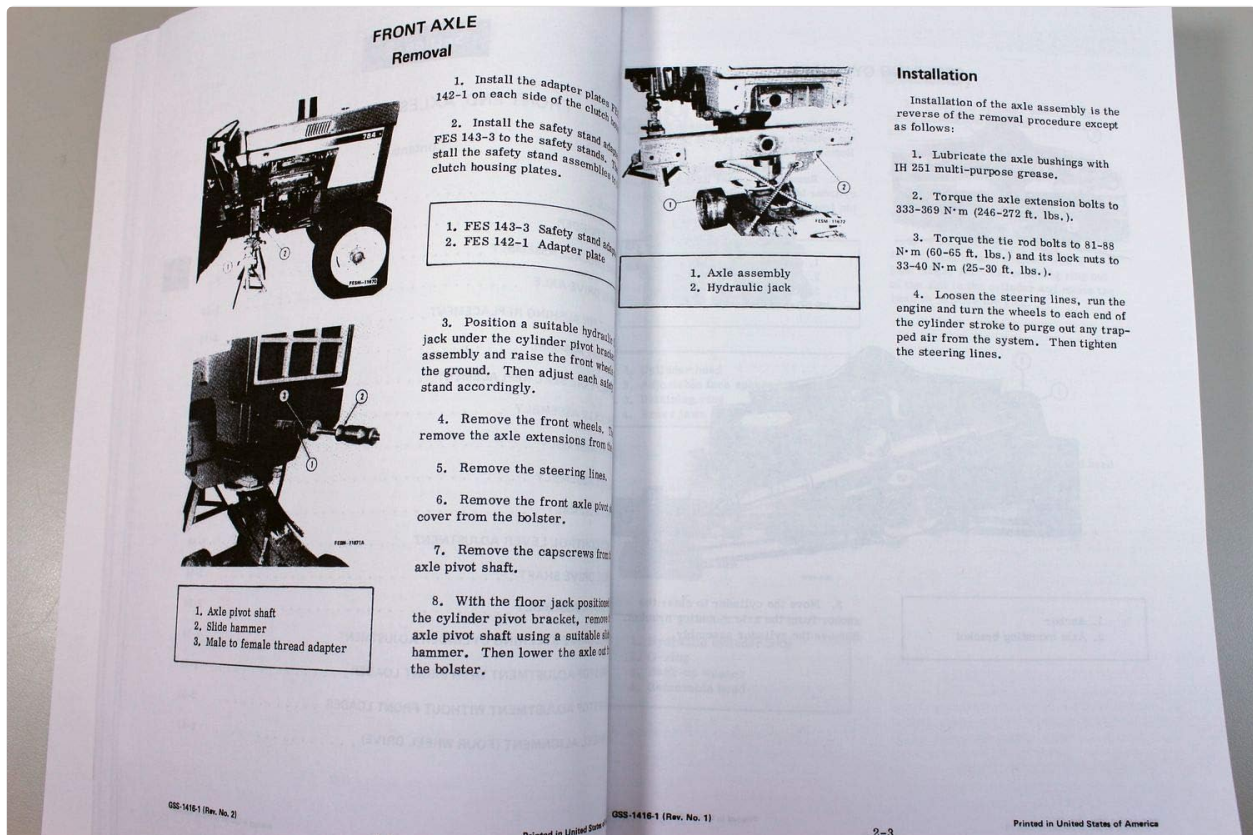


Image 3.3: This image displays a manual page with instructions and diagrams for front axle removal. It shows the axle assembly, hydraulic jack placement, and steps for safe disassembly.

4. System Overhaul and Troubleshooting

Beyond basic repairs, this service manual offers comprehensive guidance for overhauling major systems. It includes detailed exploded views and diagrams to aid in understanding complex assemblies.

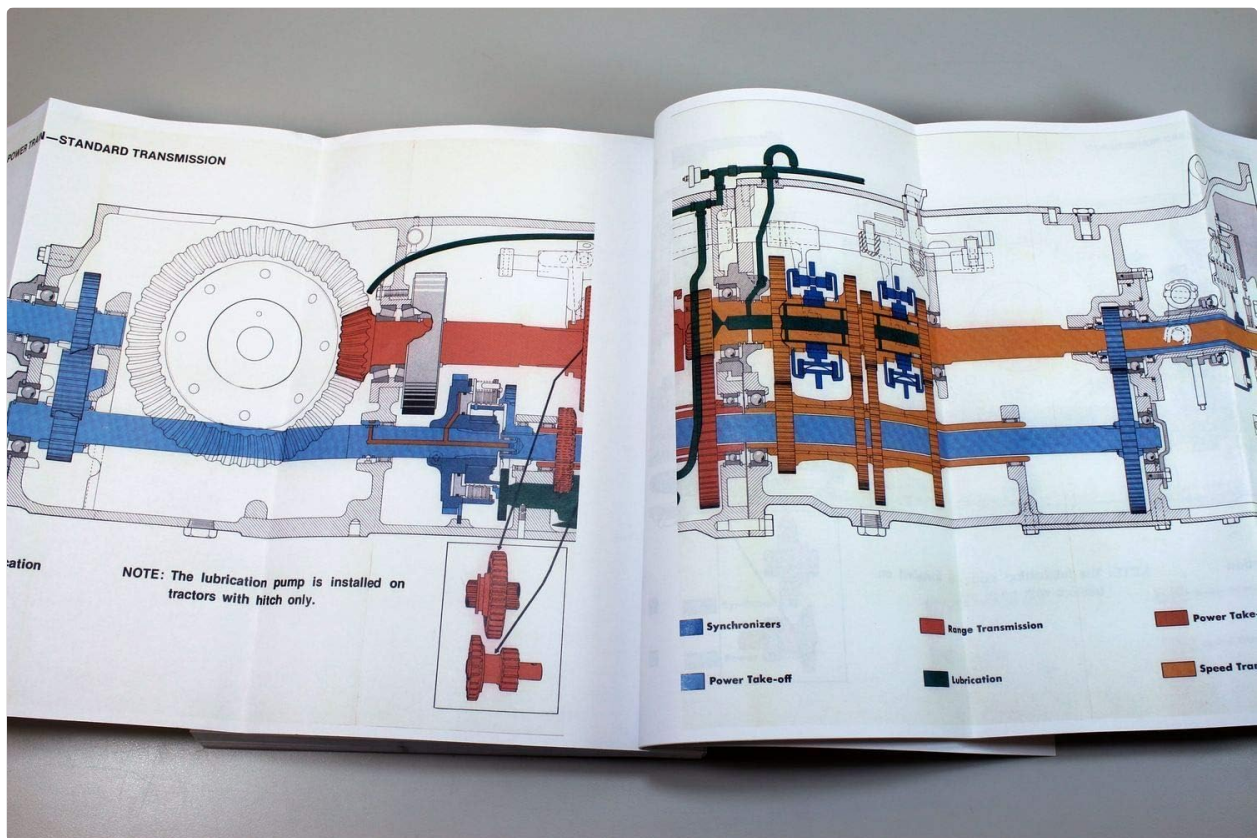


Image 4.1: An exploded view diagram from the manual illustrating the internal components of a tractor transmission. Different parts like synchronizers, range transmission, power take-off, and lubrication paths are color-coded for clarity.

The manual also serves as a troubleshooting guide, providing diagnostic procedures to identify the root cause of operational issues. This includes flowcharts, symptom-based diagnostics, and testing methods for various electrical, hydraulic, and mechanical systems.

5. Technical Specifications and Data

Accurate technical data is crucial for proper service and repair. This manual includes various tables and charts providing essential specifications, such as torque values, clearances, and fluid capacities for the International Farmall 454, 464, and 484 tractors.

5.1. Conversion Tables

To assist users with different measurement systems, the manual includes conversion tables for common units, such as millimeters to inches.

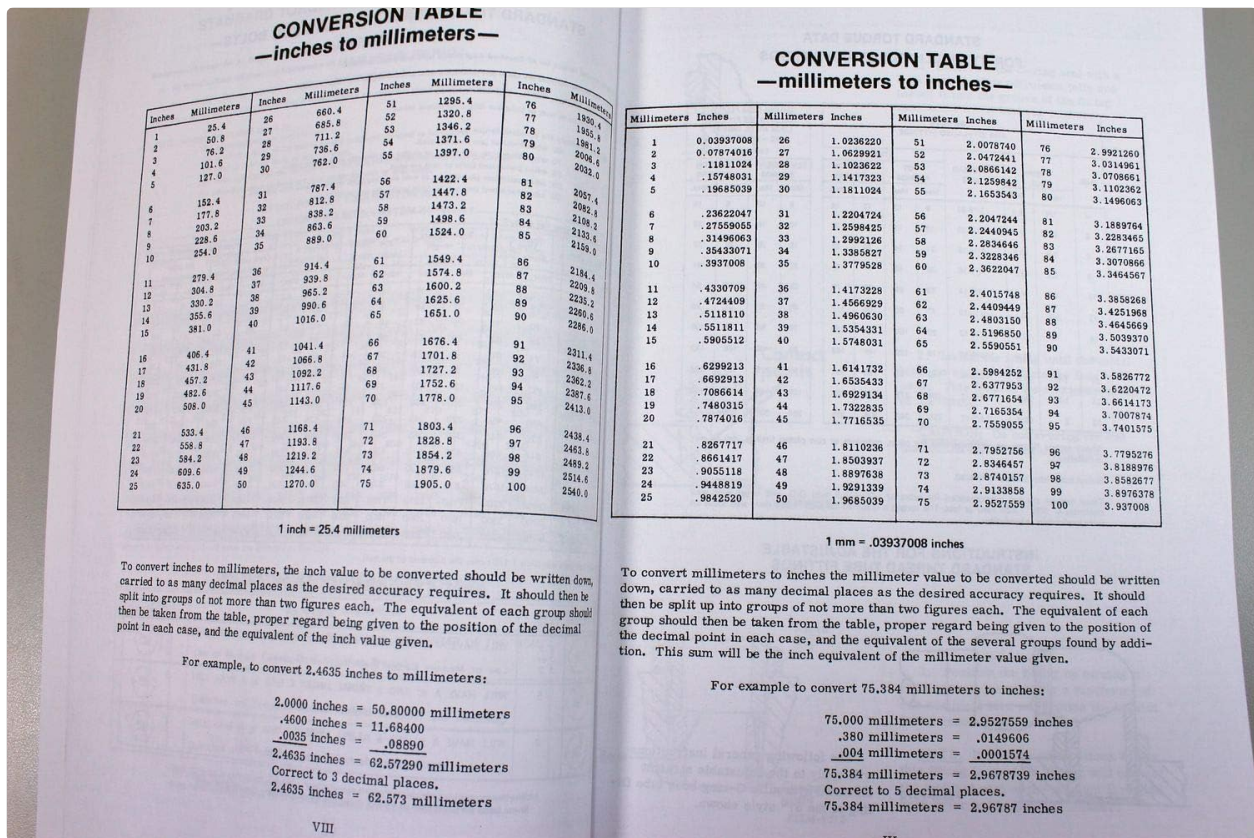


Image 5.1: A page from the manual displaying a comprehensive conversion table for millimeters to inches. This table provides precise conversion factors and examples for practical application during repair and measurement tasks.

These specifications are vital for ensuring components are installed correctly and operate within manufacturer-recommended parameters, contributing to the longevity and performance of the tractor.

6. Maintenance Guidelines

While primarily a repair manual, the detailed information on component function, disassembly, and reassembly inherently supports comprehensive maintenance. Understanding the internal workings of each system, as presented in this manual, allows for more informed and effective preventative maintenance practices. For basic operational maintenance, fluid types, quantities, and routine adjustments, users should also consult the tractor's original Operator's Manual. This service manual provides the in-depth technical knowledge required for more complex maintenance tasks and component servicing.

7. Warranty and Support

This AgPubs Service Shop Repair Manual is a technical reference document for tractor repair and does not provide a warranty for the International Farmall Tractors themselves. For information regarding the warranty of your tractor, please refer to the original manufacturer's documentation that accompanied your equipment. For inquiries specifically related to the content or availability of this manual, please contact the publisher, AgPubs, through their official support channels. This ensures you receive accurate and timely assistance regarding the manual's information.

