

Ford 735

Ford 735 Industrial Loader Attachment Operators Manual

Model: 735

INTRODUCTION

This manual is a comprehensive guide for the Ford 735 Industrial Loader Attachment. It provides essential information for proper setup, safe operation, routine maintenance, and effective troubleshooting. Designed for mechanics and operators, this document contains detailed technical instructions necessary for major repairs and complete overhauls, ensuring the longevity and optimal performance of your equipment.

Refer to this manual for correct procedures on disassembling, repairing, and reassembling components. Adherence to these instructions is crucial for maintaining equipment integrity and operator safety.

SAFETY INFORMATION

Always prioritize safety when operating or servicing the Ford 735 Industrial Loader Attachment. Read and understand all safety decals on the equipment and in this manual before operation. Failure to follow safety instructions can result in serious injury or death.

- Ensure all guards and safety devices are in place and functional.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Never operate the loader from outside the operator's station.
- Keep bystanders clear of the work area.
- Lower the loader attachment to the ground and relieve hydraulic pressure before performing any maintenance or adjustments.

SETUP AND INSTALLATION

Proper installation of the 735 Industrial Loader Attachment is critical for safe and efficient operation. Follow these steps carefully:

1. **Pre-Installation Check:** Verify that all components are present and undamaged. Refer to the parts list for verification.
2. **Mounting the Loader Frame:** Position the loader frame onto the tractor's mounting points. Secure with appropriate pins and bolts, ensuring all fasteners are torqued to specifications outlined in Appendix A.
3. **Hydraulic Connections:** Connect the hydraulic hoses from the loader to the tractor's hydraulic system. Ensure connections are clean and free of debris. Refer to the hydraulic schematic for correct port identification.
4. **Control Linkage:** Install and adjust the control linkages for the bucket and lift cylinders. Test for smooth operation and full range of motion.
5. **Initial System Bleeding:** After installation, slowly cycle the hydraulic cylinders through their full range of motion several times to bleed air from the system. Check hydraulic fluid levels.

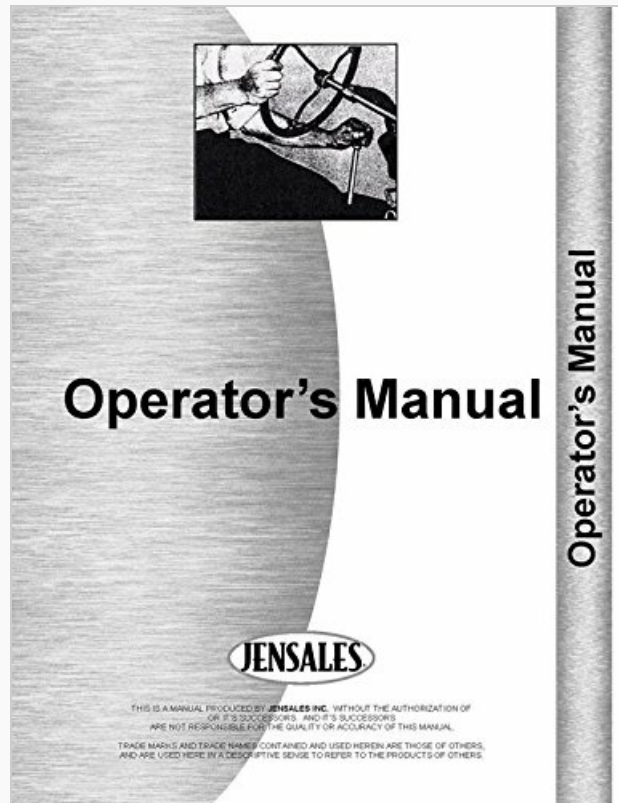


Figure 1: Cover of the Ford 735 Industrial Loader Attachment Operators Manual, showing the product and branding.

OPERATING INSTRUCTIONS

Operating the Ford 735 Industrial Loader Attachment requires familiarity with its controls and capabilities. Always operate the equipment on stable ground and within its rated capacity.

Pre-Operation Checks:

- Inspect hydraulic hoses for leaks or damage.
- Check all pins and fasteners for security.
- Ensure tires are properly inflated (if applicable to the tractor).
- Verify all safety decals are legible and in place.

Loader Controls:

The loader is controlled by a hydraulic joystick or lever system. Familiarize yourself with the functions:

- **Lift/Lower:** Controls the vertical movement of the loader arms.
- **Tilt/Dump:** Controls the angle of the bucket.
- **Float Position:** Allows the bucket to follow ground contours.

Operate controls smoothly and avoid abrupt movements, especially when carrying a load. Always maintain a clear view of the work area.

MAINTENANCE SCHEDULE

Regular maintenance is essential for the reliable operation and extended lifespan of your Ford 735 Industrial Loader Attachment. Follow the schedule below:

| Interval | Task |
|------------------------------------|--|
| Every 10 Hours / Daily | Check hydraulic fluid level. Inspect hoses and fittings for leaks. Lubricate all grease points (refer to lubrication chart). |
| Every 50 Hours / Weekly | Check all mounting bolts and pins for tightness. Inspect bucket cutting edge and teeth for wear. |
| Every 250 Hours / Monthly | Replace hydraulic filter. Inspect hydraulic cylinders for seal leaks. Check control linkages for wear and adjustment. |
| Every 1000 Hours / Annually | Drain and replace hydraulic fluid. Inspect all structural components for cracks or damage. |

Always use genuine Ford replacement parts and recommended lubricants to ensure optimal performance and prevent damage.

TROUBLESHOOTING GUIDE

This section provides solutions to common operational issues you may encounter with your 735 Industrial Loader Attachment.

| Problem | Possible Cause | Solution |
|--------------------------------------|--|--|
| Loader lifts slowly or weakly | Low hydraulic fluid level; Clogged hydraulic filter; Worn hydraulic pump; Air in hydraulic system. | Check and add hydraulic fluid; Replace hydraulic filter; Inspect/replace pump; Bleed hydraulic system. |
| Hydraulic leaks | Loose fittings; Damaged hoses; Worn cylinder seals. | Tighten fittings; Replace damaged hoses; Replace cylinder seals. |
| Bucket does not tilt | Control linkage disconnected or jammed; Faulty hydraulic valve; Cylinder issue. | Inspect and reconnect linkage; Check hydraulic valve operation; Inspect tilt cylinders. |

For issues not covered here, or if solutions do not resolve the problem, consult a certified Ford service technician.

SPECIFICATIONS

Technical specifications for the Ford 735 Industrial Loader Attachment:

- **Model:** 735
- **Lift Capacity (at pivot pin):** 1,500 lbs (680 kg)
- **Lift Height (to pivot pin):** 108 inches (274 cm)
- **Bucket Width:** 60 inches (152 cm)
- **Hydraulic System Pressure:** 2,200 psi (152 bar)
- **Approximate Weight (without bucket):** 750 lbs (340 kg)

Note: Specifications are subject to change without notice. Always refer to the serial plate on your specific unit for exact details.