



**935/950
TRACTORS
OPERATOR'S MANUAL
1982**

42093521

Reprinted

VERSATILE WARRANTY

VERSATILE FARM EQUIPMENT COMPANY (Versatile) warrants each item of new Versatile equipment sold by it to be free from defects in material and workmanship under normal use and service. The sole obligation of Versatile to the Dealer under this warranty is limited to repairing or replacing, as Versatile may elect, any part or parts that prove in Versatile's judgment to be defective in material or workmanship within one year after delivery to the original purchaser, under normal farm use. Such defective part or parts will be replaced or repaired **ONLY TO THE ORIGINAL PURCHASER**, such repair or replacement will be done at the location of the selling Versatile Dealer. Purchaser must give written notice to the Authorized Dealer from whom equipment was purchased of any claimed defect and the Dealer will have a reasonable time under the circumstances then existing to repair or replace said part or parts found to be defective. It is understood that if there is any delay in giving such written notice wherein it is possible that the alleged defective part may have caused damage or defects to other parts of the equipment, then this warranty shall not cover the repairs necessitated therein.

NOTE: THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER FOR BREACH OF THIS WARRANTY IS THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

This warranty does not extend to the engine or tires on Versatile tractors which are manufactured by others, and which carry separate warranties from said manufacturers. There are no representations, warranties, or conditions express or implied, statutory or otherwise, except those herein contained and no agreement collateral hereto shall be binding upon either party unless in writing hereon or attached hereto, signed by purchaser and accepted by Versatile at its head office.

Versatile's liability under this warranty is limited to the repairing or replacing of parts, and Versatile shall in no event be liable to the Purchaser for consequential damages or loss of profits on crops sustained by it as a result of any defect in material or workmanship on any of the equipment covered by this warranty.

Versatile equipment is warranted for agricultural work only. This Warranty does not cover industrial application. ALTERING, MODIFYING OR ADDING ADDITIONAL EQUIPMENT WHICH IS NOT APPROVED FOR INSTALLATION ON VERSATILE EQUIPMENT BY THE COMPANY WILL VOID THE WARRANTY.

All Warranties are subject to legislation of the state or province in which the machine is sold.

•THERE WILL BE NO DEVIATION FROM THE PROCEDURE AS OUTLINED•

NOTE: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BY VERSATILE OR ITS AUTHORIZED DEALER, REGARDING VERSATILE EQUIPMENT EXCEPT THE WARRANTY AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP EXPRESSED HEREIN. VERSATILE SHALL NOT, IN ANY EVENT, BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTRACT, TORT OR OTHERWISE. NO PERSON IS AUTHORIZED TO BIND VERSATILE FOR ANY OTHER WARRANTY WHATSOEVER.

 **VERSATILE**
VERSATILE FARM EQUIPMENT COMPANY

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Table of Contents

 **VERSATILE**

935/950 Tractors

1	Safety	1
2	Operation	6
3	Lubrication and Maintenance	25
4	Troubleshooting	51
5	Storage	53
6	Specifications and Schematics	55
7	Index	72



Serial Number Location

IMPORTANT

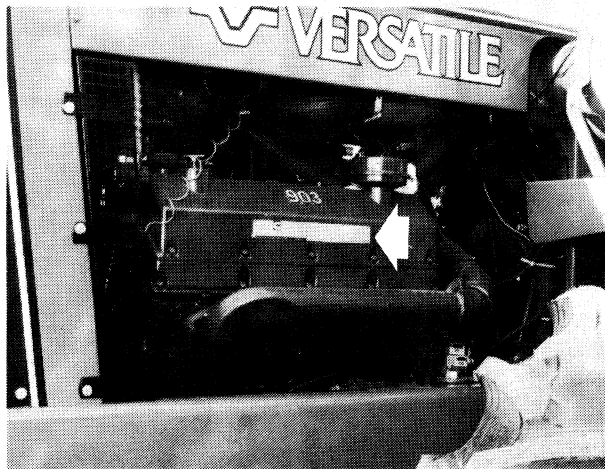
To obtain the fastest service when ordering parts, remember to:

1. Order part by the correct number
2. State machine model and year
3. Include serial number on tractor plate and engine

ENGINE

Serial plate is located on the engine's left cylinder bank.

SERIAL

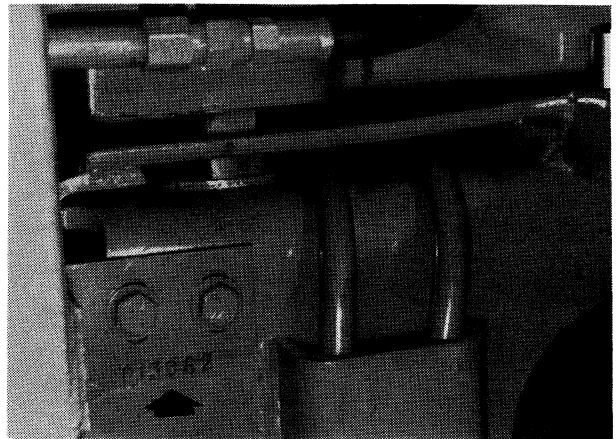


Engine Plate

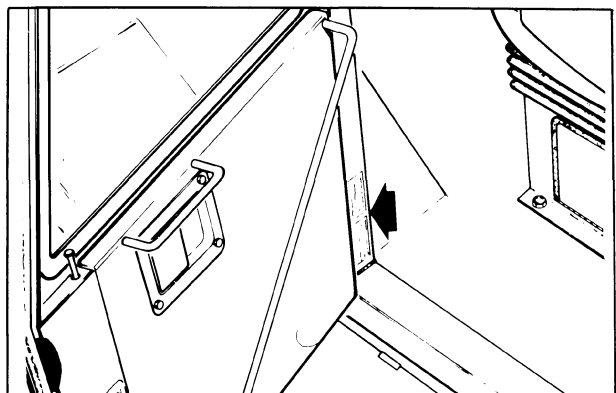
TRACTOR

Serial number plate is stamped on the rear of the front frame section and on lower left-hand side of the doorpost.

SERIAL



Tractor Plate



Frame Stamp

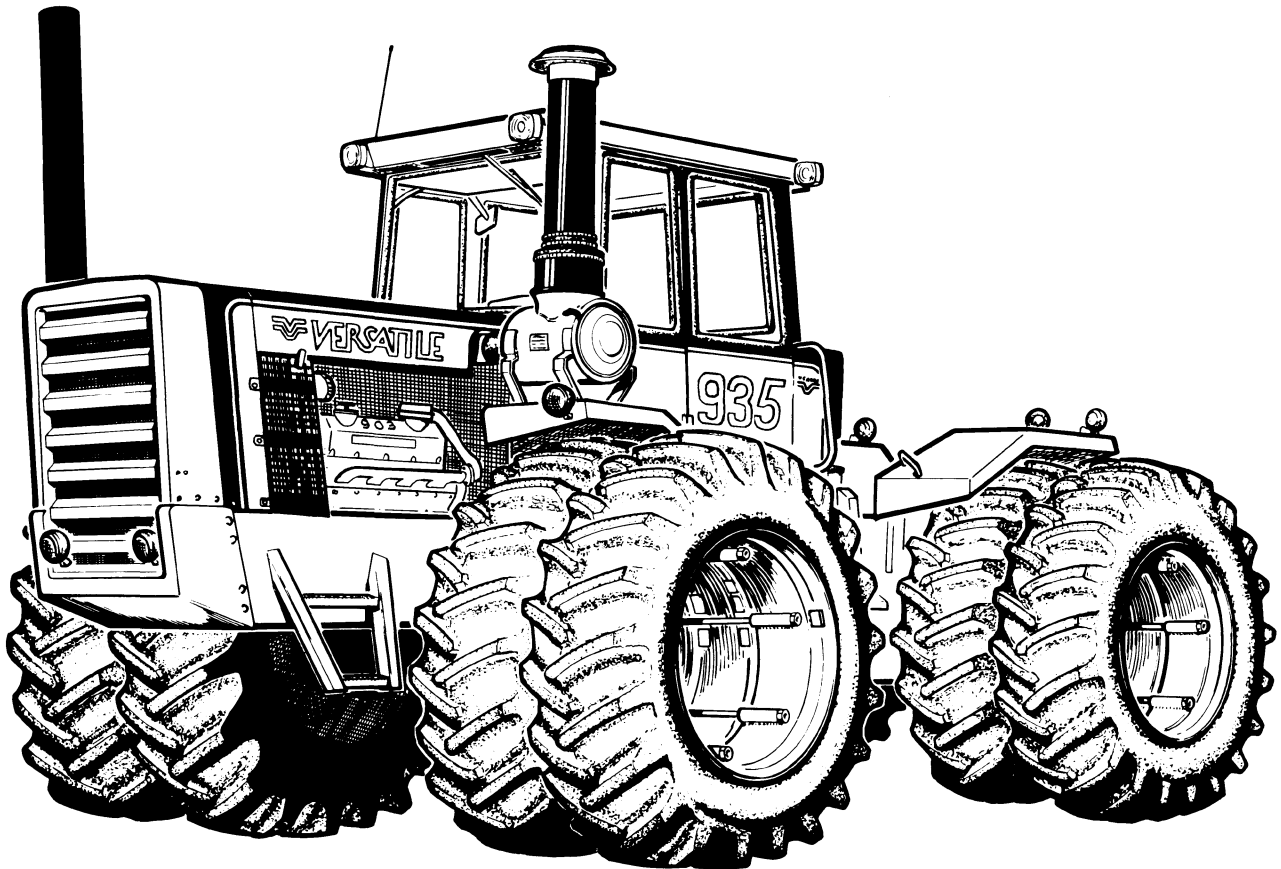
Introduction

We at Versatile Farm Equipment Company are pleased you have chosen a 935 or 950 four-wheel drive tractor for your farming operation. It has evolved through the ideas and suggestions submitted to us by customers such as yourself.

We ask that you study this manual and adopt the preventive maintenance program outlined in it. The suggested schedule has been designed to meet most operating conditions although it may be necessary to adjust your maintenance program to suit your specific operating conditions.

We ask that for maintenance on the engine not covered by our tractor manual, you follow the instructions outlined in the Cummin's Operation and Maintenance Manual. Before placing the tractor in service, become familiar with all the procedures described in both manuals.

Your Versatile dealer is factory trained to provide you with genuine parts and professional repair service. Consult him for all your service needs.





Watch for this symbol. It identifies potential hazards to health or personal safety. It points out safety precautions. It means: ATTENTION - Be Alert. Your safety is involved.



1 Safety

National Safety Council statistics tell us that many people die or suffer serious injury each year as a result of needless farm accidents.

Don't become a statistic or a victim.

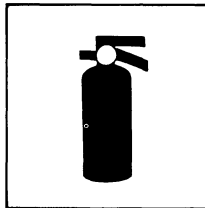
Carefully review the procedures given in this manual with all operators **ANNUALLY**. It is important that all operators be familiar with, **AND FOLLOW**, safety precautions.



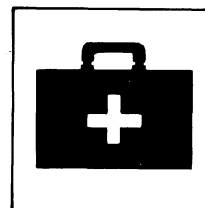
Operating instructions must be given to everyone using the tractor before operation and at least once yearly thereafter in compliance with OSHA Regulation 1928.57.

GENERAL SAFETY

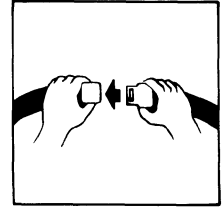
1. Never allow an unauthorized driver to operate tractor.
2. Keep a fire extinguisher in the cab. Maintain it and be familiar with its use.



3. Never allow passengers inside or outside the cab.
4. Never operate machine in a closed building.
5. Always keep sleeves, jackets or other clothing relatively tight and belted, since loose clothes might catch in moving parts.
6. Provide a first aid kit for use in case of accident.

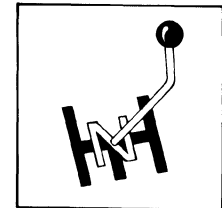


7. Never jump from tractor. There is a danger of catching clothing on protruding parts.
8. Use steps and handholds when mounting and dismounting tractor.
9. Fasten seatbelt before starting engine.



OPERATING SAFETY

1. Always operate tractor from the operator's seat.
2. Lock seat in position before operating tractor.
3. Always start tractor with range select and transmission in neutral and PTO clutch disengaged. This is particularly important during cold weather operation.

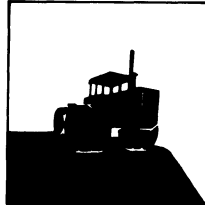


4. Always wait until light and buzzer go out before putting tractor into gear.
5. Never oil, grease or adjust tractor while it is moving. Do not leave engine running while tractor or drawn equipment is being adjusted, repaired or cleaned.
6. Ensure parkbrake is set when tractor is stopped. Tractor can freewheel even when in gear.
7. Avoid abrupt turns, starts or stops.
8. Keep all safety shields in place when operating tractor.

9. Do not operate tractor when you are tired. Take a rest.
10. Never operate machine at high speeds in crowded areas. Damage to machine and injury to the operator may result.

SAFE OPERATION IN ROUGH TERRAIN

1. Drive tractor slowly on hillsides and curves to eliminate the danger of tipping. Avoid slopes which are too steep for safe operation.



2. Always drive slowly over rough ground. Drive at speeds slow enough to ensure your safety.
3. Avoid sharp turns on hillsides.
4. When driving out of a ditch, gully or up a steep hillside, engage the clutch slowly.
5. When descending steep grades, select a sufficiently low gear to maintain control with minimum braking.
6. Never drive near the edge of a ditch or gully unless absolutely necessary.
7. Be especially alert when operating machine at row ends, road slopes and around obstructions.

MAINTENANCE SAFETY

1. Escaping hydraulic oil under pressure can penetrate the skin causing personal injury. Ensure connections are tight and lines and hoses are undamaged. Before disconnecting hydraulic lines, relieve all pressure. Do not overfill tank.
2. Wear gloves and goggles and use a piece of cardboard or wood as a backstop for spurting fluid when searching for hydraulic leaks.



3. Add coolant to the radiator only when the engine is stopped and cool. Turn radiator cap slightly to its stop to relieve pressure before removing.

4. Never refuel tractor when engine is hot or running. Do not smoke while filling fuel tank or servicing fuel system. Use precautions in handling any type of tractor fuel. Vaporized diesel fuel is as dangerous as gasoline. Do not overfill.



5. Do not smoke and avoid open flames when filling batteries.
6. Ether starting fluid is highly flammable. Do not use near fire, sparks, open flames or while engine is running.
7. Remove mud, crop residue, chains and tools from steps and operator's platform. They may interfere with pedal operation or entry/exit from tractor.
8. Turn OFF lever at hydraulic couplers to prevent flow to implements when servicing.

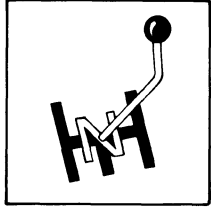
IMPLEMENT SAFETY

1. When hitching loads to tractor, always hitch to the drawbar or hitch points.
2. When hitching drawn equipment to the drawbar, back tractor past clevis, then move forward so that in making the connection, tractor will be moving away from equipment.
3. Always lower implements to the ground when not in use and turn OFF lever couplers. Hydraulic pressure can rupture hoses releasing high pressure oil causing implement damage.
4. Be careful when turning with a towed implement. Lift it from the ground during turns. Side thrust could damage sidewalls.
5. Use transport locks, lower implement to ground or securely block frame before servicing implement.

POWER TAKE-OFF (PTO) SAFETY

1. Never start tractor with PTO engaged.

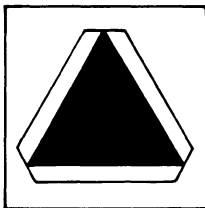
2. When using PTO in a stationary application, ensure articulation lock is engaged, parkbrake is set and gearshift lever is in neutral. Do not leave tractor unattended. If you must leave area for any reason, stop and lock out tractor.



3. Take special care in hook-up of implement to PTO.
4. Ensure all guards are in place while operating PTO.
5. Stop and lockout tractor before disconnecting or servicing PTO drivelines.

SAFE HIGHWAY OPERATION

1. Equip towed implements with slow moving vehicle (SMV) signs when travelling on public roads.



2. Use extreme caution when pulling heavy loads at road speeds. Avoid hard application of tractor brakes at high speeds.
3. Use hazard warning flashers when transporting or driving tractor on public roads unless prohibited by law in your area. Check with local authorities.
4. Ensure headlights are adjusted so they will not blind operators of oncoming vehicles.

CHEMICAL SAFETY

1. The air filters in the cab are not designed to filter out harmful chemicals. When using agricultural chemicals, follow the manufacturer's instructions carefully.

2. Do not carry harmful chemicals in the cab. The chemicals may rupture container and fumes may poison the operator.



ARTICULATION LOCK

1. Use articulation lock during stationary applications, servicing, jacking or overhaul operations. Do not use when tractor is moving.
2. Before engaging lock, drive tractor to a level surface, put steering straight, engage parkbrake, put gearshift in neutral and stop engine. Remove lock from storage position and insert into holes to left of articulation joint. It may be necessary to start engine and articulate frame slightly to engage lockpin.



Articulation Lock

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