



**945/975
TRACTORS
OPERATOR'S MANUAL
1983**

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Reprinted



VERSATILE FARM EQUIPMENT COMPANY

A division of Versatile Corporation

1260 CLARENCE AVENUE, WINNIPEG

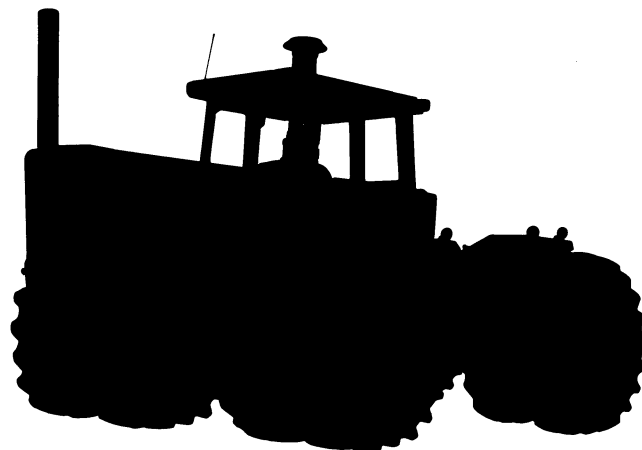
MANITOBA, CANADA, R3T 1T3/(204) 284-6100

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945/975 Tractors

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Serial Number Location

IMPORTANT

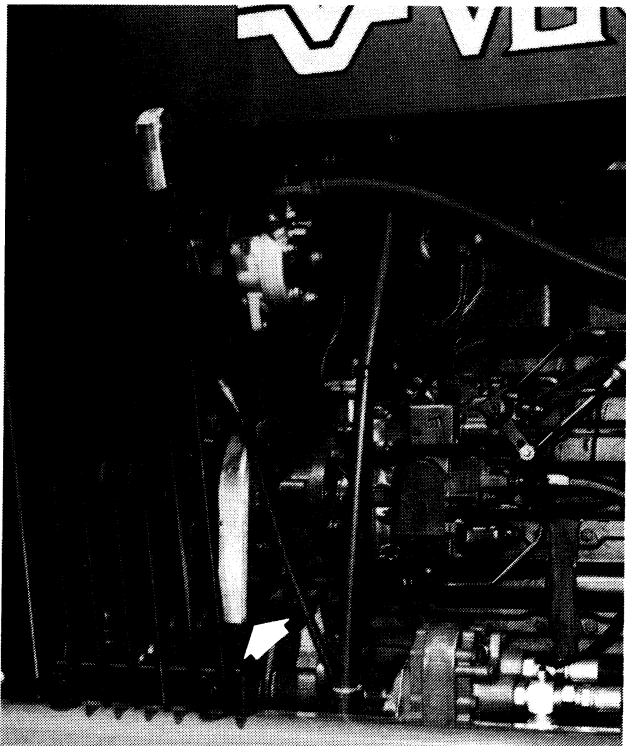
To obtain the fastest service when ordering parts, remember to:

- 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 engine left side near injection pump.

SERIAL

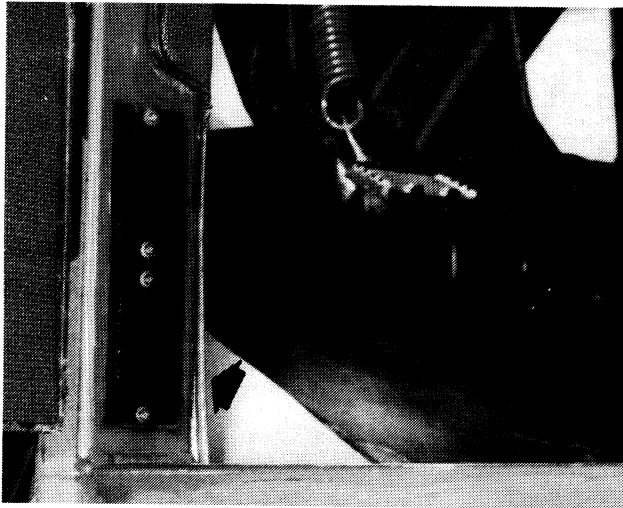


Engine Plate

TRACTOR

Serial number plate is stamped on front door post.

SERIAL

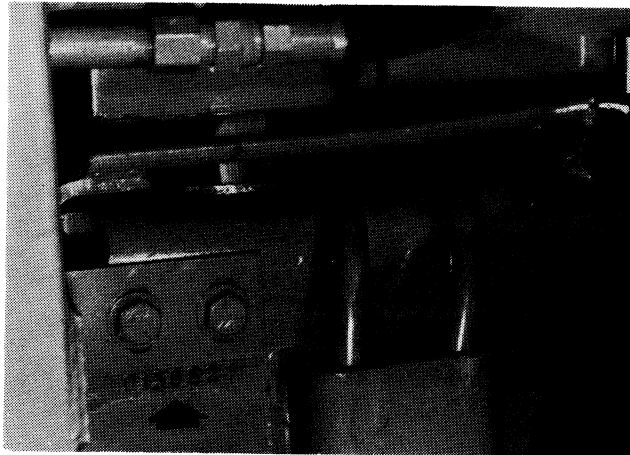


Tractor Plate

FRAME

Serial number is stamped on rear left-hand corner of front frame.

SERIAL



Frame Stamp

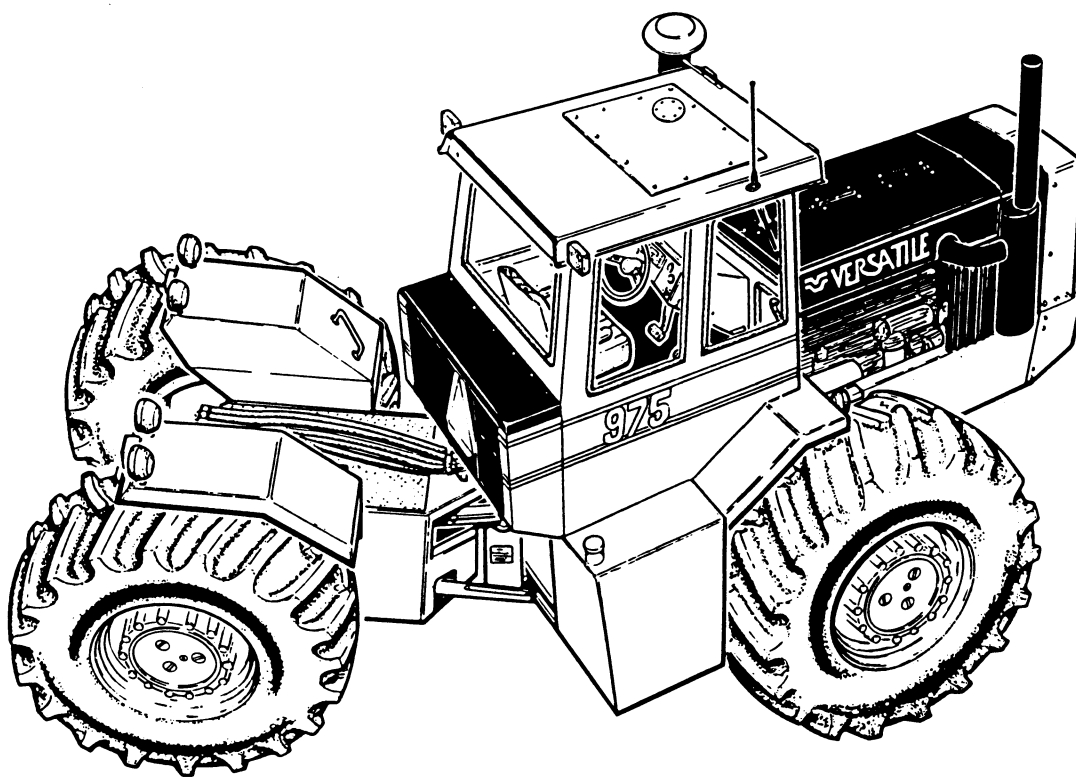
Introduction

We at Versatile Farm Equipment Company are pleased you have chosen a 945 or 975 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 engine maintenance not covered by our tractor manual, you follow the instructions given in the Cummins 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.

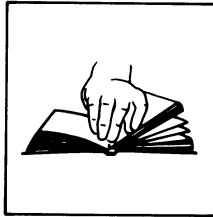


1 Safety

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.

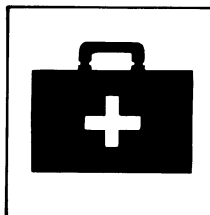
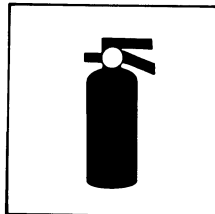
Carefully review the procedures given in this manual with all operators **ANNUALLY**. It is important that all operators be familiar with, **AND FOLLOW**, safety precautions.



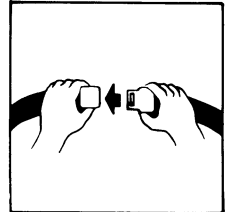
Operating instructions must be given to everyone using the tractor before operation and at least once yearly thereafter in compliance with OSHA Regulation 1928.57.

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.

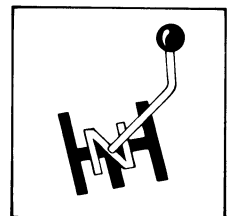


7. Never jump from tractor. There is a danger of catching clothing on protruding parts.
8. Use steps and handholds when mounting and dismounting tractor or for servicing components to high to reach from the ground.
9. Fasten seatbelt before starting engine.



OPERATING SAFETY

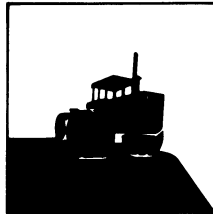
1. Always operate tractor from the operator's seat.
2. Lock seat in position before operating tractor.
3. Always start tractor with range select and transmission in neutral. This is particularly important during cold weather operation.
4. Always wait until all warning lights and buzzer go out before 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 operator may result.
11. Do not start engine by shorting across starter terminals. Tractor will move when starting safety switch is bypassed.
2. Wear gloves and goggles and use a piece of cardboard or wood as a backstop for spurring oil when searching for hydraulic leaks.
3. Add coolant to the radiator only when engine is stopped and cool. Turn radiator cap to its first stop to relieve pressure before removing.

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.



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.



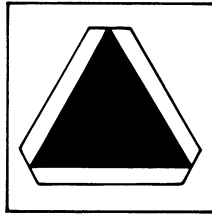
5. Do not smoke and avoid open flames when filling batteries.
6. Ether starting fluid is highly flammable. Do not use near fire, sparks, open flames or while engine is running.
7. Remove mud, crop residue, chains and tools from steps and operator's platform. They may interfere with pedal operation or entry/exit from tractor.
8. Turn OFF lever at hydraulic couplers to prevent flow to implements when servicing.
9. Ground fuel tanks to prevent static buildup.
10. Ensure turbocharger is cool before servicing.
11. Keep flammable material away from turbocharger.
12. Never mount a damaged tire. Tire may burst with explosive force.

IMPLEMENT SAFETY

1. Always hitch loads to drawbar or hitch points.
2. When hitching drawn equipment to drawbar, back tractor past clevis then move forward so that in making the connection, tractor is 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.

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

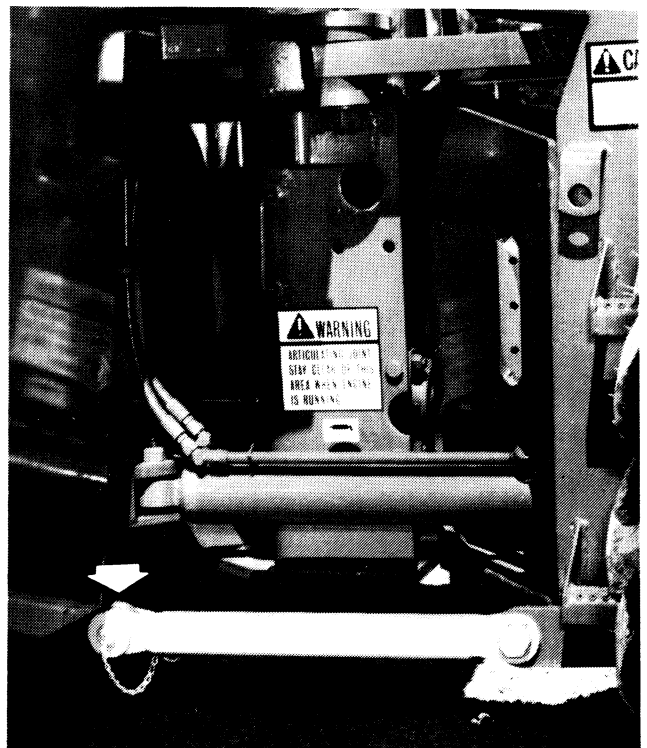
2. Do not carry harmful chemicals in the cab. Chemicals may rupture container and fumes may poison the operator.



3. Wear OSHA approved respiratory protection when working near harmful chemicals. Maintain equipment regularly.

ARTICULATION LOCK

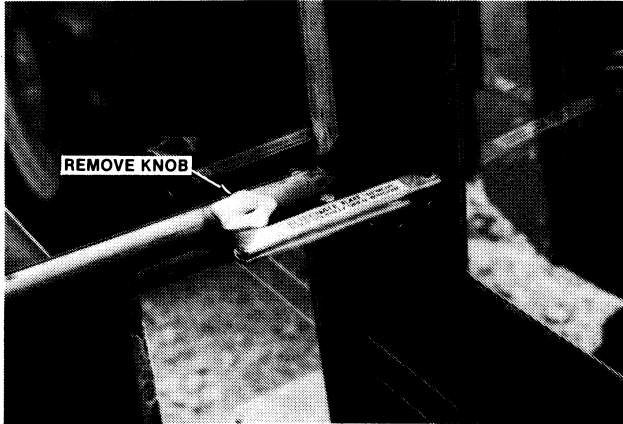
1. Use articulation lock during stationary applications, servicing, jacking or overhaul operations. Do not use when tractor is moving.
2. Before engaging lock, drive tractor to a level surface, put steering straight, engage parkbrake, put gearshift in neutral and stop engine. Remove lock from storage 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

ALTERNATE EXIT

The cab has two exits which may be used in an emergency; the door, and the window on the right-hand front corner of cab. The window is opened by unscrewing the knob holding the two arms together. Separate arms and push window open.



Alternate Exit

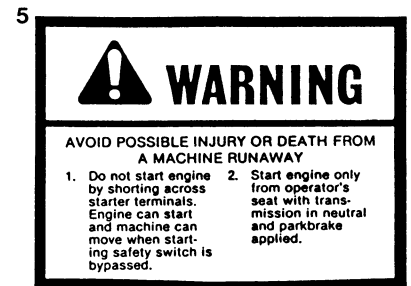
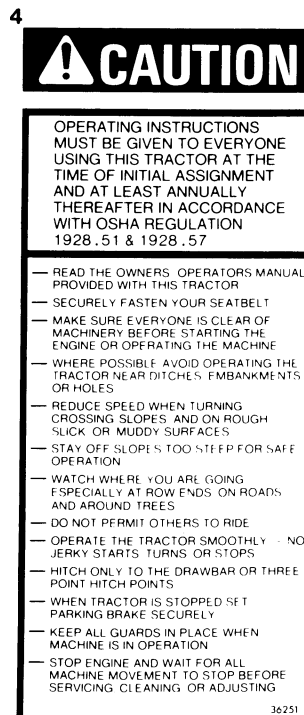
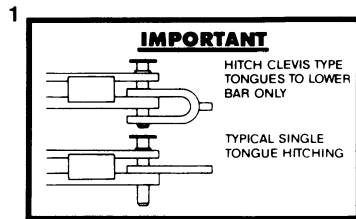
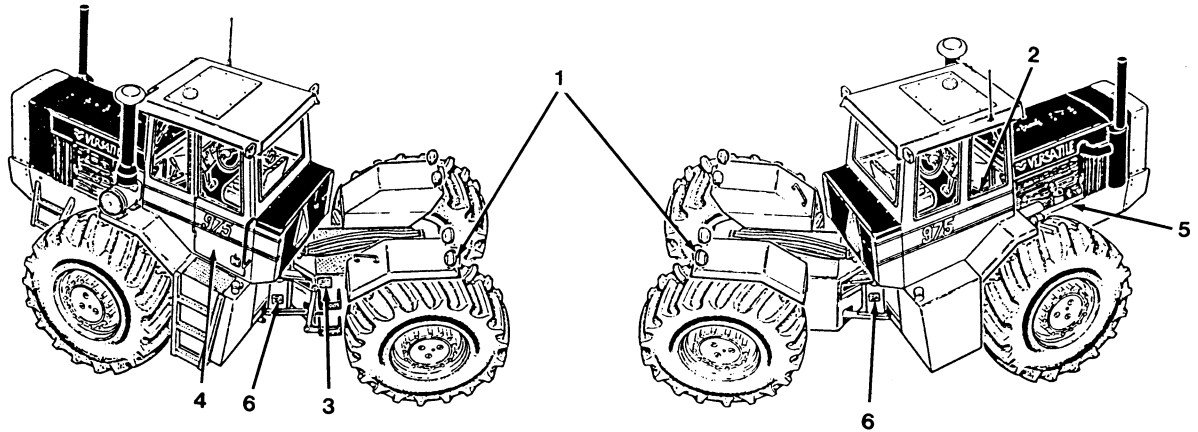
SAFETY DECALS

1. Keep decals clean. Remove dirt with a wet cloth when necessary.



2. Replace safety decals if destroyed, missing, painted over or unreadable.
3. If a section of the tractor is replaced that carries a safety decal, apply a new decal immediately.
4. New safety decals are available from your Versatile dealer.

SAFETY DECALS



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