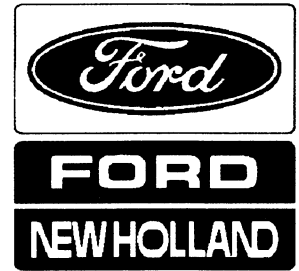
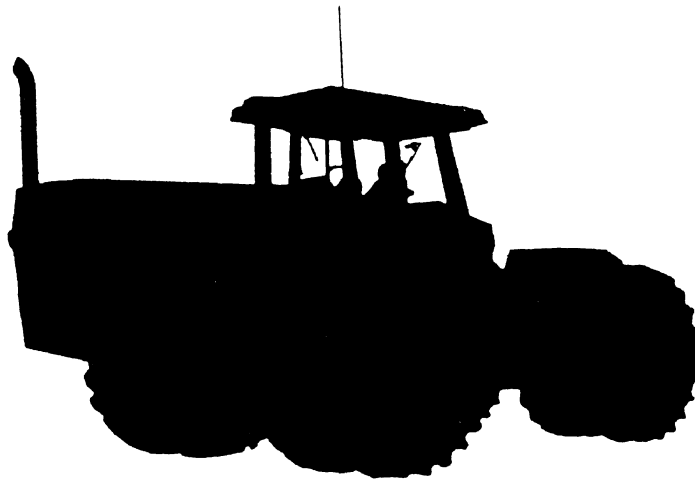


VERSATILE

Operator's Manual



936/956/976 TRACTORS OPERATOR'S MANUAL





VERSATILE FARM EQUIPMENT COMPANY

A division of Versatile Corporation

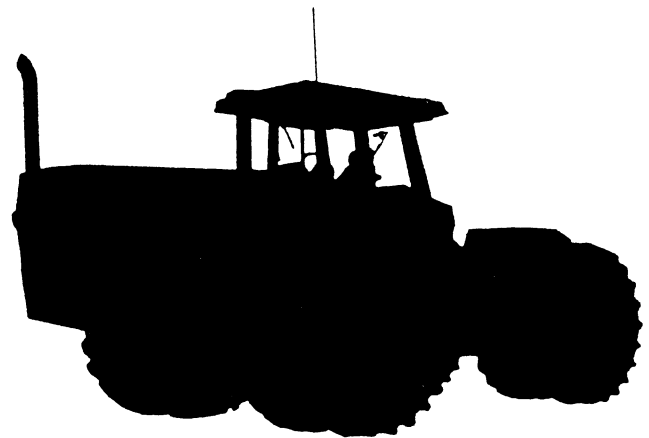
1260 CLARENCE AVENUE, WINNIPEG
MANITOBA, CANADA, R3T 1T3/(204) 284-6100

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VERSATILE **Model 936, 956, 976 Tractor
Operator's Manual**

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Serial Number Location

SERIAL NUMBER LOCATION

IMPORTANT

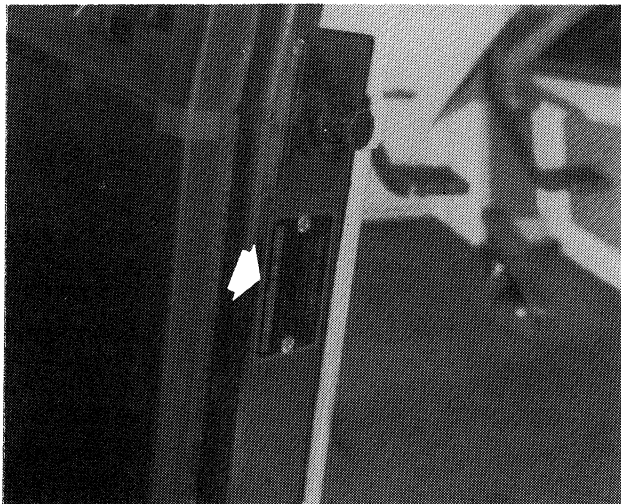
To obtain fastest service when ordering parts. Remember to:

1. Order part by the correct number.
2. State machine model and year.
3. Include tractor, engine and frame serial numbers.

TRACTOR

Serial number plate is stamped on front doorpost lower half.

SERIAL

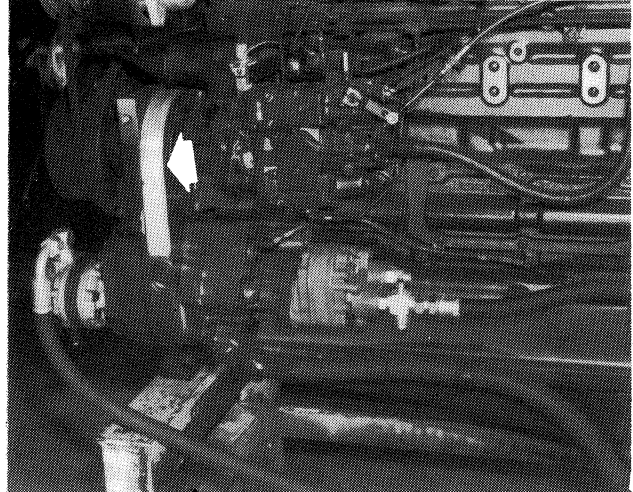


Tractor Serial Plate

ENGINE

Serial plate is located on engine left side ahead of the fuel injection pump.

SERIAL

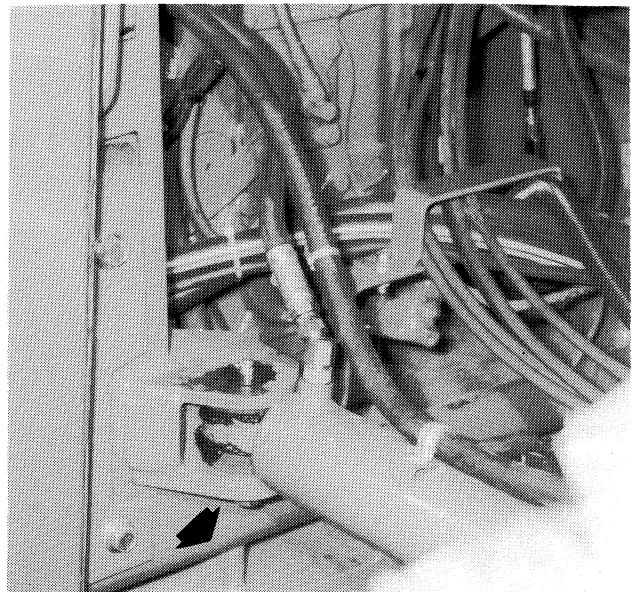


Engine Serial Number Location

FRAME

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

SERIAL

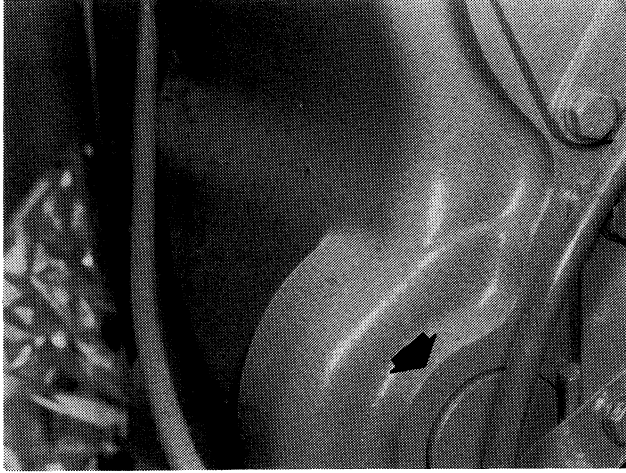


Frame Stamp Location

TRANSMISSION

Mechanical

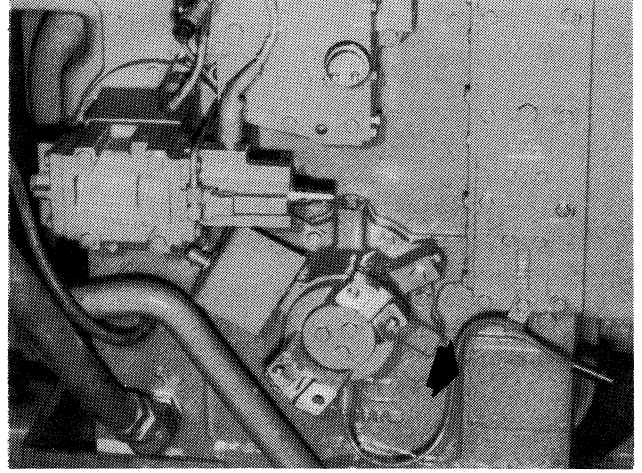
Serial number is stamped on transmission front above the reverse idler assembly.



12-Speed Mechanical Transmission

Powershift

Serial number is located on the right rear of the transmission housing.



Powershift Transmission

Introduction

We at Versatile Farm Equipment are pleased you have chosen a 936/956/976 VERSATILE® 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 this manual, you follow the instructions given in the Cummins Manual. Before putting the tractor in service become familiar with all the procedures described in both manuals.

Your Versatile dealer is factory trained to provide 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.

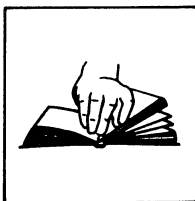


1 Safety

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

Don't become a statistic or 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.

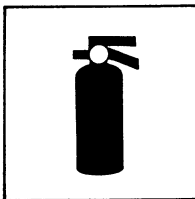


Operating instructions must be given to everyone using the tractor before operation and at least once yearly thereafter in compliance with OSHA Regulation 1928.57.

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.

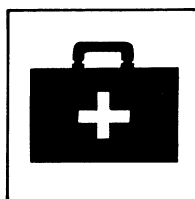


3. Never carry passengers.

4. Never operate machine in a closed building.

5. Always keep sleeves, jackets or other clothing relatively tight and belted. Loose clothing might catch in moving parts.

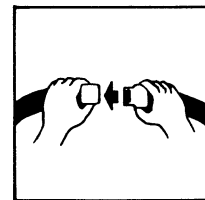
6. Provide a first-aid kit for use in case of accident.



7. Never jump from tractor. There is a danger of catching clothing on protruding parts.

8. Use steps and handhold when mounting and dismounting tractor or for servicing components too high to reach from the ground.

9. Fasten seat belt before starting engine.



10. Safety devices are intended to protect operators of Versatile equipment from injury or death. under no circumstances should they be disabled or removed.

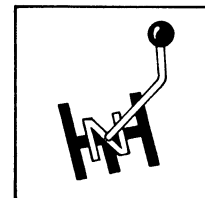
11. To provide a better view, certain photos and illustrations show a safety shield removed. It is important that a machine never be operated in this way. Keep all shields in place.

OPERATING SAFETY

1. Always operate tractor from the operator's seat.

2. Lock seat in position before operating tractor.

3. Always start tractor with transmission in neutral. This is particularly important during cold weather operation.



4. Always wait until all warning lights and audio alarm go out before putting tractor in gear.

5. Never oil, grease or adjust tractor while it is running. Do not leave engine running while tractor or drawn equipment is being adjusted, repaired or cleaned.

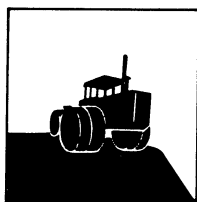
6. Ensure parkbrake is set when tractor is stopped. Tractor can freewheel even when in gear.

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 or bystanders may result.
11. Do not start engine by shorting across starter terminals. Tractor can move when starting safety switch is bypassed.

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. When driving out of a ditch, gully or up a steep hillside, engage the clutch slowly.
4. When descending steep grades, select a sufficiently low gear to maintain control with minimum braking.
5. Never drive near the edge of a ditch or gully unless absolutely necessary.
6. Be especially alert when operating at row ends, road slopes and around obstructions.

MAINTENANCE SAFETY

1. Escaping hydraulic oil under pressure can penetrate the skin causing personal injury. Ensure all 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 engine is stopped and cool. Turn radiator cap slightly to its first 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. Do not overfill.



5. Do not smoke and avoid open flames when filling any batteries.
6. Ether starting fluid is highly flammable. Do not use near fire, sparks, open flames or when 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 storage tanks to prevent static buildup.
10. Ensure turbocharger is cool before servicing.
11. Keep flammable material away from turbocharger.
12. Never mount or operate with a damaged tire. Tire may explode.

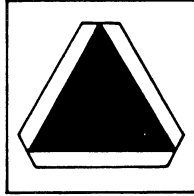
IMPLEMENT SAFETY

1. Always hitch loads to drawbar or three-point hitch points.
2. When hitching drawn equipment to drawbar, back tractor past clevis then move forward so that in making the connection, tractor is 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 if possible. Side thrust could damage sidewalls.

5. Use transport locks, lower implement to ground or securely block frame before servicing implement.

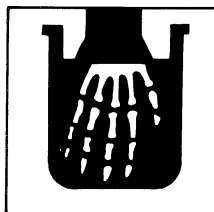
SAFE HIGHWAY OPERATION

1. Equip towed implements with slow moving vehicle (SMV) signs when travelling on public roads.
2. Install additional lights on implement rear to safeguard against rear end collisions. Daybreak and dusk are particularly dangerous. VERSATILE® tractors have seven-pin connectors to facilitate installation of extra lighting.
3. Be aware of transport width of towed implements. Install additional lights to left side of wide implements to alert passing traffic. Keep clear of the approaching lane.
4. Use hazard warning flashers when transporting or driving tractor on public roads unless prohibited by law in your area. Check with local authorities.
5. Keep to the right and yield right-of-way especially when pulling implements. Pull off road and stop to allow motorists to pass. Drive on the road shoulder, if permitted by law.
6. Use extreme caution when pulling heavy loads at road speeds. Avoid hard application of tractor brakes at high speed.
7. Ensure headlights are aligned so they will not blind the operators of oncoming vehicles.



CHEMICAL SAFETY

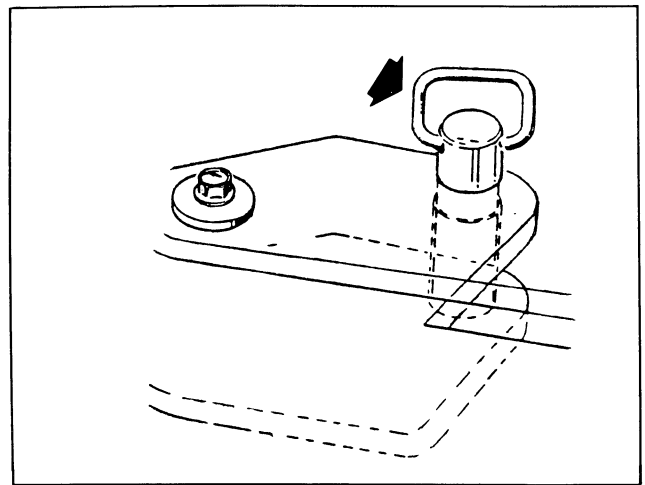
1. The cab air filters are not designed to filter harmful chemicals. When using agricultural chemicals, follow the manufacturer's instructions carefully.
2. Do not carry harmful chemicals in the cab. Chemicals may rupture the container and the fumes may poison the operator.



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

ARTICULATION LOCK

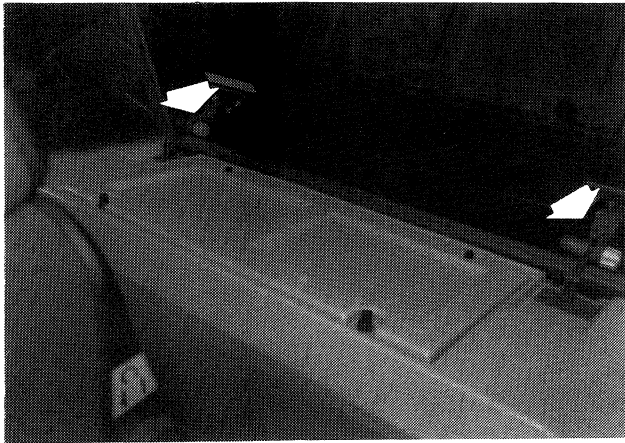
1. Use articulation lock during stationary applications, servicing, jacking or overhaul operations. Do not use when tractor is moving or being towed.
2. Before engaging lock, drive tractor to a level surface, put steering straight, engage park-brake, put gearshift in neutral and stop engine. Remove pin from storage position and put through hole on swing frame. It may be necessary to start engine and articulate frame slightly to ensure lockpin is through.



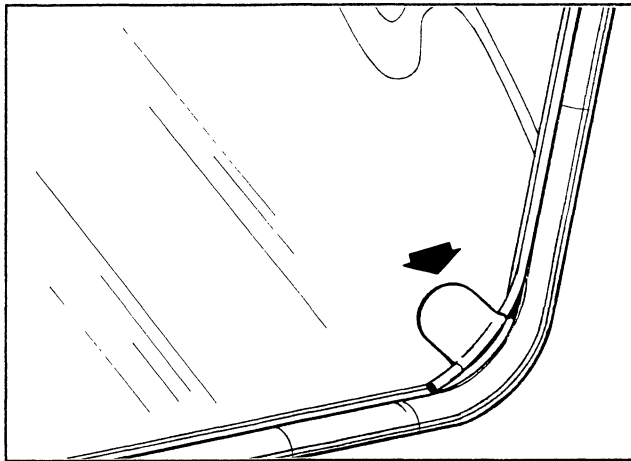
Articulation Lock

ALTERNATE EXIT

The cab has three exits which may be used in an emergency; the door, side and rear windows. Open the side window by pulling the cord completely from the rubber window moulding and pushing window out from cab. Start pushing at an upper corner of the window and continue pushing until window comes free. Open the rear window by unscrewing the knob holding the pivot arms together. Separate arms and push window open.



Alternate Exit, Rear Window



Alternate Exit, Side Window

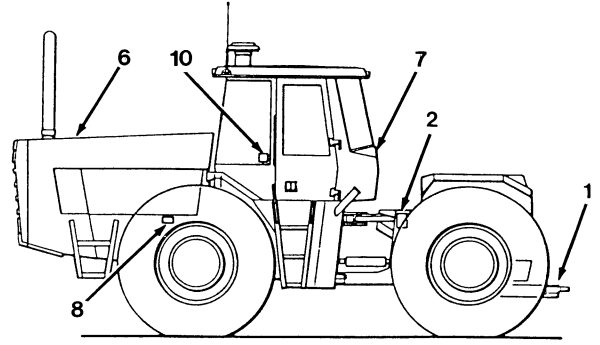
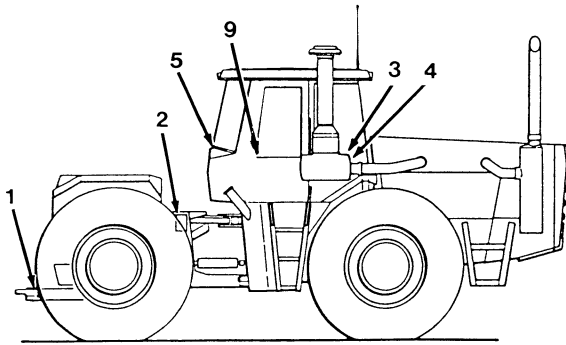
SAFETY DECALS

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 decals are available from your Versatile dealer.

SAFETY DECALS



1

CAUTION

- PULL ONLY FROM DRAWBAR OR 3 POINT HITCH
- USE A SAFETY CHAIN ON EQUIPMENT TOWED BY SINGLE POINT ATTACHMENT
- ATTACH IMPLEMENTS PROPERLY

ATTACHING CLEVIS TYPE TONGUES

ATTACHING SINGLE TYPE TONGUES

4

CAUTION

DO NOT OPERATE TRACTOR WITH FLASHING ERROR CODE

To clear error codes see instructions on rear electrical compartment lid.

8

WARNING

AVOID POSSIBLE INJURY OR DEATH FROM A MACHINE RUNAWAY

- Do not start engine by shorting across starter terminals. Engine can start and machine can move when starting safety switch is bypassed.
- Start engine only from operator's seat with transmission in neutral and parkbrake applied.

2

WARNING

ARTICULATING JOINT STAY CLEAR OF THIS AREA WHEN ENGINE IS RUNNING TO PREVENT PERSONAL INJURY:

- SHUT OFF ENGINE BEFORE SERVICING ARTICULATION AREA.
- ENGAGE ARTICULATION LOCK BEFORE LIFTING TRACTOR, TRANSPORTING TRACTOR ON ANOTHER VEHICLE, PERFORMING MAINTENANCE IN ARTICULATION AREA OR OPERATING STATIONARY PTO EQUIPMENT.
- DISENGAGE LOCK BEFORE DRIVING TRACTOR.

5

ALTERNATE EXIT - REMOVE KNOB TO FULLY OPEN WINDOW

9

ALTERNATE EXIT

PULL FILLER STRIP TO UNLOCK RUBBER MOULDING AND PUSH OUT WINDOW GLASS

6

WARNING

PRESSURIZED SYSTEM REMOVE CAP SLOWLY

3

CAUTION

OPERATING INSTRUCTIONS MUST BE GIVEN TO EVERYONE USING THIS TRACTOR AT THE TIME OF INITIAL ASSIGNMENT AND AT LEAST ANNUALLY THEREAFTER IN ACCORDANCE WITH OSHA REGULATION 1928.51 & 1928.57

- READ THE OWNERS/OPERATORS MANUAL PROVIDED WITH THIS TRACTOR
- SECURELY FASTEN YOUR SEATBELT
- MAKE SURE EVERYONE IS CLEAR OF MACHINERY BEFORE STARTING THE ENGINE OR OPERATING THE MACHINE
- WHENEVER POSSIBLE AVOID OPERATING THE TRACTOR IN NEAR DITCHES, EMBANKMENTS OR HOLES
- REDUCE SPEED WHEN TURNING, CROSSING SLOPES AND ON ROUGH, SLICK OR SLIPPERY SURFACES
- STAY OFF SLOPES TOO STEEP FOR SAFE OPERATION
- WATCH WHERE YOU ARE GOING, ESPECIALLY AT LOW ENDS, ON TRACKS AND AROUND TREES
- DO NOT PEDESTAL OTHERS TO RIDE
- OPERATE THE TRACTOR SMOOTHLY—NO JERKY STARTS, TURNS, OR STOPS
- HITCH ONLY TO THE DRAWBAR OR THREE POINT HITCH POINTS
- WHEN THE TRACTOR IS STOPPED SET PARKING BRAKE SECURELY
- KEEP ALL GUARDS IN PLACE WHEN MACHINE IS IN OPERATION
- STOP ENGINE AND WAIT FOR ALL MOVING PARTS TO STOP AND ENGAGE ARTICULATION LOCK BEFORE SERVICING, CLEANING, OR ADJUSTING

10

CAUTION

ALWAYS FASTEN SEAT BELTS WHEN OPERATING TRACTOR EQUIPPED WITH ROLL OVER PROTECTIVE STRUCTURE

THIS ROLL OVER PROTECTIVE STRUCTURE DESIGN MEETS OSHA PERFORMANCE CRITERIA WHEN INSTALLED IN ACCORDANCE WITH VERSATILE FARM EQUIPMENT COMPANY MOUNTING INSTRUCTIONS

THE PROTECTION AFFORDED MAY BE IMPAIRED IF IT HAS BEEN SUBJECTED TO ALTERATION STRUCTURAL DAMAGE OR INVOLVED IN AN OVERTURN ACCIDENT IN THESE CASES THE ENTIRE STRUCTURE MUST BE REPLACED

7

CAUTION

BATTERY BOOSTING INSTRUCTIONS

- DON'T LEAN OVER BATTERIES WHILE MAKING CONNECTIONS.
- ENSURE VEHICLES ARE NOT IN CONTACT.
- DON'T CONNECT JUMPER CABLE TO NEGATIVE POST OF DISCHARGED BATTERY.
- ENSURE POSITIVE AND NEGATIVE CABLE CLAMPS ARE NOT IN CONTACT.

1. SET PARKBRAKE, TRANSMISSION IN NEUTRAL AND TURN ALL ELECTRICAL CONNECTIONS OFF.

- CONNECT ONE END OF JUMPER CABLE TO POSITIVE TERMINAL OF BOOSTING BATTERY AND OTHER END TO POSITIVE TERMINAL OF DISCHARGED BATTERY.
- CONNECT ONE END OF NEGATIVE CABLE TO NEGATIVE POST OF BOOSTING BATTERY AND OTHER END TO TRACTOR FRAME AT LEAST 305 mm (12 in.) FROM DISCHARGED BATTERY.

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