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# OPERATOR'S MANUAL



**NEW HOLLAND**

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## TO THE OWNER:

The warranty coverage that is extended to your tractor is explained in the Warranty and Limitation of Liability, Tractor form. Your dealer will provide you with a copy of the warranty and retain a copy which you have signed. After you read the warranty, ask your dealer to explain any points that you may not understand.

Do not modify or alter or permit anyone else to modify or alter this tractor or any of its components or any tractor function without first consulting an authorized New Holland Dealer. If you have any questions regarding tractor modifications contact New Holland North America, Inc., 500 Diller Ave., New Holland, PA. 17557.

A Roll Bar and seat belt were standard equipment for the tractor at the time of factory assembly. If the Roll Bar was deleted by the original purchaser or has been removed, it is recommended that you equip your tractor with a Roll Bar and seat belt. A Roll Bar is effective in reducing injuries during tractor overturn accidents. Overturning a tractor without a Roll Bar can result in serious injury or death. Roll Bar and seat belts are available for your tractor. If your tractor is not equipped with a Roll Bar and seat belt see your New Holland Dealer.

Your safety and the safety of those around you depends upon the care and good judgment you use while operating this equipment. Read the safety precautions carefully.

For a complete list of the delivery service checks performed by your dealer, refer to DELIVERY REPORT in this manual. The first copy is your record of the service performed and the second copy, which is to be removed from the manual, is your dealer's record. **MAKE SURE THAT YOU AND THE DEALER SIGN BOTH COPIES.**

After you have operated the tractor for 50 hours, take your tractor and this Manual to your selling dealer. He will perform the factory recommended 50-hour service. You will be responsible for the cost of lubricants, fluids, filters and other items replaced as part of normal maintenance. Prior to taking the tractor to your selling dealer for service, it is recommended that you contact them to determine any other charges for which you may be responsible.

All data given in this book is subject to production variations. Dimensions and weights are approximate only and the illustrations do not necessarily show tractors in standard condition. For exact information about any particular tractor please consult your New Holland dealer.



**CAUTION: THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER PERSONAL SAFETY IS INVOLVED. TAKE TIME TO READ AND FOLLOW THE INSTRUCTIONS. BE CAREFUL!**

**CAUTION: PICTURES IN THIS MANUAL MAY SHOW PROTECTIVE SHIELDING OPEN OR REMOVED TO BETTER ILLUSTRATE A PARTICULAR FEATURE OR ADJUSTMENT.**

**BE CERTAIN, HOWEVER, TO CLOSE OR REPLACE ALL SHIELDING BEFORE OPERATING THE MACHINE.**

## IMPROVEMENTS

New Holland North America, Inc. is continually striving to improve its products. We reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.



NEW HOLLAND NORTH AMERICA, INC., AND
NEW HOLLAND CANADA, LTD.

WARRANTY AND LIMITATION OF LIABILITY - AGRICULTURAL PRODUCTS

COVERAGE PROVIDED

New Holland North America, Inc. or New Holland Canada, Ltd., hereinafter called "Company" warrants to the retail purchaser of each new Product (as listed below) that the Selling Dealer will repair or replace any part thereof found to be defective in materials or workmanship within the following periods. This warranty is for the benefit of the original or subsequent purchaser when purchased from an authorized New Holland dealer.

BASIC WARRANTY

Table with 2 columns: Product and Warranty Period (whichever comes first). Rows include Harvesting, Materials Handling Equipment and Implements (12 Months), Tractors, 1000 thru 8000 Series (12 Months), etc.

\*Allison transmissions, Caterpillar, Cummins and Deutz engines are warranted by their respective manufacturers.
\*\*The components covered by extended warranty consists of the following:

ENGINE - The rocker arm cover, crankshaft seals, cylinder head, engine block, crankcase pan and timing gear cover of the engine, and the parts fully enclosed within these units.

TRANSMISSION AND REAR AXLE (Tractors and SP Windrowers) - The clutch housing (excludes clutch), transmission case, dual power housing, differential housing, differential pinion, PTO seals, final drive housings, transfer case, front wheel drive housing, and parts fully enclosed within these housings, including the drive axles. Includes PTO clutch and PTO drop box, hydrostatic pump/motor and high pressure hoses on the Model 9030 tractors and SP Windrowers.

LIMITATIONS, INCLUDING DISCLAIMER OF IMPLIED WARRANTIES AND CONSEQUENTIAL DAMAGES

This warranty gives you specific legal rights and you may also have other rights which vary, depending on state or provincial laws.

New Holland North America, Inc. or New Holland Canada, Ltd. does not authorize any person or dealer to create for it any other obligation or liability in connection with these products. TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS APPLICABLE TO THIS PRODUCT IS LIMITED TO THE STATED DURATION OF THIS WRITTEN WARRANTY. NEITHER COMPANY NOR THE SELLING DEALER SHALL BE LIABLE FOR LOSS OF THE USE OF THE PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS OR CONSEQUENTIAL DAMAGES.

Some states and provinces do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

The remedy of repair or replacement of a defective part during the warranty period herein specified shall be the purchaser's exclusive remedy.

EXTENDED SERVICE PLAN (ESP)

When offered by the Company, the option to purchase an Extended Service Plan has been explained and:

- I accept and have signed the completed registration form
I decline the Extended Service Plan
I will consider within 180 days (12 months on 8070 series)

PROTECTIVE EQUIPMENT

Rollover protective structure (ROPS) and seat belts are provided as standard equipment on all New Holland agricultural tractors and we strongly recommend their use. Customers who elect to remove or not use this protection do so at their own risk.

- I acknowledge the existence of OSHA regulations pertaining to ROPS.
A PTO master shield, if applicable, has been installed on the machine.
The correct Operator's Manual has been furnished.
Safety precautions were explained to me by the Selling Dealer.

ACKNOWLEDGEMENT/WARRANTY TRANSFER

The blank spaces under "Protective Equipment" have been filled in and are correct, and I acknowledge that I have read and I accept this Warranty and Limitation of Liability.

Form fields for Purchaser and Dealer information including Name, Address, City, State, Zip, Model, Serial No., Retail Date, and Signature.

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# New Holland Warranty Detail

The warranty period will begin on date of original retail sale or date of original use, whichever is earlier.

- The obligation of Company to the purchaser under this warranty is limited to the repair or replacement of defective parts by an authorized New Holland dealer and will be done free of charge for both parts and labor using genuine New Holland replacement parts. Repair or replacement in accordance with this warranty shall constitute fulfillment of all liabilities of Company and the Selling Dealer in respect to such Products.
- Repairs or replacements will be performed by the Selling Dealer, following delivery of the Product by the purchase to the Dealer's place of business. When the purchaser has moved a long distance from the Selling Dealer, or the Selling Dealer is no longer in business, any New Holland dealer authorized to sell and service the described Products may perform the repair at its dealership.
- The Selling Dealer shall review these warranty provisions with the purchaser prior to retail sale, secure his acknowledgement of delivery of this warranty and record the date of original retail sale or date of original use.
- To obtain warranty service, the purchaser must (1) report the product defect to an authorized New Holland dealer and request repair within the applicable warranty term and (2) present evidence of the warranty start date.

## WHAT IS NOT COVERED BY THE WARRANTY?

This warranty shall NOT apply under the following conditions:

- (i) With respect to vendor warranty items such as Allison transmissions and Deutz, Cummins and Caterpillar engines, or tires, tubes, and attachments which shall be warranted by their manufacturer, or local representative thereof.
- (ii) If the unit has been subject to misapplication, abuse, misuse, negligence of proper maintenance or other negligence, fire or other accident.
- (iii) If parts or attachments other than those made or marketed by New Holland North America, Inc. or New Holland Canada, Ltd., have been used in connection with the unit, and in the sole judgment of Company such use affects its performance, stability or reliability.
- (iv) If the unit has been altered or repaired outside of a New Holland dealership in a manner which, in the sole judgment of Company, affects its performance, stability or reliability.
- (v) Batteries are covered by a separate pro rata adjustment warranty. The pro-rata plan covers the battery fully for the basic product warranty period as indicated, with any remaining warranty pro-rated according to the months of service.
- (vi) The purchaser shall be responsible for payment of dealer travel time to the machine or to deliver the machine to the dealer's service shop for repair. New Holland warranty does not cover delivery charges or travel time.
- (vii) The Company shall have no liability for used equipment sold beyond the specified coverage period.
- (viii) No warranty shall apply to damage resulting from accident or damage caused by environment (such as exposure to corrosive material). The Company shall not be responsible for rental equipment used to replace the equipment being repaired.
- (ix) This warranty shall NOT apply to normal maintenance services (such as tune-ups, fuel injection system cleaning or wheel, brake and clutch adjustments), to normal replacement of service items (such as filters and brake or clutch linings), or to normal deterioration due to use or exposure (such as belts and exterior finish). New Holland shall not be responsible for normal replacement parts such as cutting knives, chains, belts, clutches, filters, oil, or other parts which are worn out, unless they are determined to be defective in material or workmanship.
- (x) This warranty shall NOT apply to any New Holland Product which is retailed or distributed by anyone other than New Holland North America, Inc. or New Holland Canada, Ltd., through its authorized dealers. This warranty shall NOT apply to any Product which is normally operated outside of the United States, and/or Canada.
- (xi) This warranty shall NOT apply if the purchaser, insurance company, or any other entity or individual acting on behalf of the purchaser seeks reimbursement for the dollar value of the repair(s) or replacement(s) covered under this warranty.
- (xii) If the injection pump has been set for fuel delivery above New Holland specifications.

## RIGHT TO MAKE DESIGN CHANGES

Company reserves the right to make changes in the design and other changes in its products at any time and from time to time without notice and without incurring any obligation with respect to any product previously ordered from it, sold or shipped by it.

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# OWNER ASSISTANCE

We at New Holland and your New Holland dealer want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your dealer's Service Department. Sometimes, however, misunderstanding can occur. If your problem has not been handled to your satisfaction, we suggest the following.

1. Contact the owner or General Manager of the dealership, explain the problem, and request assistance. When additional assistance is needed, your dealer has direct access to our branch office.
2. If you cannot obtain satisfaction by doing this, contact the branch office in your area and provide them with:
  - Your name, address, and telephone number
  - Machine model and serial number
  - Dealership name and address
  - Machine purchase date and amount of use
  - Nature of problem

**Atlanta**  
4727 N Royal Atlanta Dr Suite P  
Caller Service 105018  
Tucker, GA 30085-5018  
Telephone: (770) 723-3605  
States: AL, FL, GA, KY, MS,  
NC, SC, TN, VA

**Dallas**  
1340 Walnut Hill Lane Bldg 2  
P.O. Box 167528  
Irving, TX 75016-7528  
Telephone: (214) 756-4919  
States: AR, AZ, CA, CO, HI, KS,  
LA, MO, NM, NV, OK, TX, UT

**Minneapolis**  
6301 W Old Shakopee Rd  
P.O. Box 1342  
Minneapolis, MN 55440-1342  
Telephone: (612) 887-4231  
States: AK, IA, ID, IL, MN, MT,  
ND, NE, OR, SD, WA, WI, WY

**New Holland**  
200 Commerce St.  
P.O. Box 527  
Mountville, PA 17554-0527  
Telephone: (717) 285-8302  
States: CT, DE, IN, MA, MD, ME,  
MI, NH, NJ, NY, OH, PA, RI, VT,  
WV

**Calgary**  
Suite 220  
3030 Third Ave. NE  
Box 1616, Stn M  
Calgary, AB  
CANADA T2P 2M7  
Telephone: (403) 569-3208

3. If you need further assistance contact:

*Service Department  
Mail Station 500  
New Holland North America, Inc.  
New Holland, PA 17557*

When contacting your branch office or Service Department, be aware that your problem will likely be resolved in the dealership using the dealer's facilities, equipment, and personnel. So it is important that your initial contact be with the dealer.

A Service Publications Catalog & Order Form is available which lists the operator's and service manuals for many prior model and most current model Ford - New Holland - Versatile tractors, equipment, and consumer products. To obtain a copy of this catalog, please call 1-800-635-4913.

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# PRECAUTIONARY STATEMENTS

## PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements ("CAUTION", "WARNING", and "DANGER") followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.



**CAUTION: THE WORD "CAUTION" IS USED WHERE A SAFE BEHAVIORAL PRACTICE ACCORDING TO OPERATING AND MAINTENANCE INSTRUCTIONS AND COMMON SAFETY PRACTICES WILL PROTECT THE OPERATOR AND OTHERS FROM ACCIDENT INVOLVEMENT.**



**WARNING: THE WORD "WARNING" DENOTES A POTENTIAL OR HIDDEN HAZARD WHICH HAS A POTENTIAL FOR SERIOUS INJURY. IT IS USED TO WARN OPERATORS AND OTHERS TO EXERCISE EVERY APPROPRIATE MEANS TO AVOID A SURPRISE INVOLVEMENT WITH MACHINERY.**



**DANGER: THE WORD "DANGER" DENOTES A FORBIDDEN PRACTICE IN CONNECTION WITH A SERIOUS HAZARD.**

**FAILURE TO FOLLOW THE "CAUTION", "WARNING", AND "DANGER" INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.**

## MACHINE SAFETY

Additional precautionary statements ("ATTENTION" and "IMPORTANT") are followed by specific instructions. These statements are intended for machine safety.

*ATTENTION: The word "ATTENTION" is used to warn the operator of potential machine damage if a certain procedure is not followed.*

*IMPORTANT: The word "IMPORTANT" is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.*



## **SAFETY PRECAUTIONS**

**A CAREFUL OPERATOR IS THE BEST OPERATOR. MOST ACCIDENTS CAN BE AVOIDED BY OBSERVING CERTAIN PRECAUTIONS. TO HELP PREVENT ACCIDENTS, READ AND TAKE THE FOLLOWING PRECAUTIONS BEFORE OPERATING THE TRACTOR. EQUIPMENT SHOULD BE OPERATED ONLY BY THOSE WHO ARE RESPONSIBLE AND INSTRUCTED TO DO SO.**

### **THE TRACTOR**

- 1. READ THE OPERATOR'S MANUAL CAREFULLY BEFORE USING THE TRACTOR. LACK OF OPERATING KNOWLEDGE CAN LEAD TO ACCIDENTS.**
- 2. IF YOUR TRACTOR IS EQUIPPED WITH A ROLL BAR OR SAFETY CAB, USE AN APPROVED SEAT BELT FOR SAFE OPERATION. OVERTURNING A TRACTOR CAN RESULT IN DEATH OR INJURY. IF YOUR TRACTOR IS NOT EQUIPPED WITH A SEAT BELT, SEE YOUR FORD NEW HOLLAND DEALER.**
- 3. IF A FRONT END LOADER IS TO BE INSTALLED, ALWAYS USE A FOPS CANOPY TO AVOID INJURY FROM FALLING OBJECTS.**
- 4. USE THE HANDHOLDS AND STEP PLATES WHEN GETTING ON AND OFF THE TRACTOR TO PREVENT FALLS. KEEP STEPS AND PLATFORM CLEARED OF MUD AND DEBRIS.**
- 5. DO NOT PERMIT ANYONE BUT THE OPERATOR TO RIDE ON THE TRACTOR. THERE IS NO SAFE PLACE FOR EXTRA RIDERS.**
- 6. REPLACE ALL MISSING, ILLEGIBLE, OR DAMAGED SAFETY DECALS.**
- 7. KEEP SAFETY DECALS CLEAN OF DIRT AND GRIME.**
- 8. INSTALL ALL SHIELDS BEFORE STARTING OR OPERATING THE TRACTOR.**



**DANGER: WHEN IMPROPERLY OPERATED, A TRACTOR CAN ROLL OVER OR UPSET! FOR LOW CLEARANCE USE ONLY, THE ROLL BAR CAN BE LOWERED. NO PROTECTION IS PROVIDED WHEN THE TRACTOR IS OPERATED WITH THE ROLL BAR IN THE LOWERED POSITION. ALWAYS RAISE THE ROLL BAR IMMEDIATELY AFTER LOW CLEARANCE USE. WHEN THE TRACTOR IS BEING DRIVEN TO AND FROM A LOW CLEARANCE JOB, THE ROLL BAR SHOULD BE IN THE RAISED POSITION. WHEN THE ROLL BAR IS LOWERED, USE OF THE SEAT BELT IS NOT RECOMMENDED. ALWAYS USE THE SEAT BELT WHEN THE ROLL BAR IS RAISED. SEAT BELTS SAVE LIVES WHEN THEY ARE USED. DO NOT USE THE SEAT BELT WHEN THE ROLL BAR IS NOT INSTALLED ON THE TRACTOR.**



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# SERVICING THE TRACTOR

1. THE COOLING SYSTEM OPERATES UNDER PRESSURE WHICH IS CONTROLLED BY THE RADIATOR CAP. IT IS DANGEROUS TO REMOVE THE CAP WHILE THE SYSTEM IS HOT. WHEN THE SYSTEM IS COLD, USE A TOWEL AND TURN THE CAP SLOWLY TO THE FIRST STOP AND ALLOW THE PRESSURE TO ESCAPE BEFORE REMOVING THE CAP ENTIRELY.
2. DO NOT SMOKE WHILE REFUELING THE TRACTOR. KEEP ANY TYPE OF OPEN FLAME AWAY. WAIT FOR THE ENGINE TO COOL BEFORE REFUELING.
3. KEEP THE TRACTOR AND EQUIPMENT, PARTICULARLY BRAKES AND STEERING, MAINTAINED IN A RELIABLE AND SATISFACTORY CONDITION TO ENSURE YOUR SAFETY AND COMPLY WITH LEGAL REQUIREMENTS.
4. TO PREVENT FIRES OR EXPLOSIONS KEEP OPEN FLAMES AWAY FROM BATTERY OR COLD WEATHER STARTING AIDS. TO PREVENT SPARKS WHICH COULD CAUSE EXPLOSION, USE JUMPER CABLES ACCORDING TO INSTRUCTIONS.
5. STOP THE ENGINE BEFORE PERFORMING ANY SERVICE ON THE TRACTOR.
6. THE FUEL OIL IN THE INJECTION SYSTEM IS UNDER HIGH PRESSURE AND CAN PENETRATE THE SKIN. UNQUALIFIED PERSONS SHOULD NOT REMOVE OR ATTEMPT TO ADJUST A PUMP, INJECTOR, NOZZLE OR ANY OTHER PART OF THE FUEL INJECTION SYSTEM. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY.
7. DO NOT MODIFY OR ALTER OR PERMIT ANYONE ELSE TO MODIFY OR ALTER THIS TRACTOR OR ANY OF ITS COMPONENTS OR ANY TRACTOR FUNCTION WITHOUT FIRST CONSULTING A FORD NEW HOLLAND DEALER.
8. ESCAPING HYDRAULIC/DIESEL FLUID UNDER PRESSURE CAN PENETRATE THE SKIN CAUSING SERIOUS INJURY. DO NOT USE YOUR HAND TO CHECK FOR LEAKS. USE A PIECE OF CARDBOARD OR PAPER TO SEARCH FOR LEAKS. STOP THE ENGINE AND RELIEVE PRESSURE BEFORE CONNECTING OR DISCONNECTING LINES. TIGHTEN ALL CONNECTIONS BEFORE STARTING THE ENGINE OR PRESSURIZING LINES. IF FLUID IS INJECTED INTO THE SKIN OBTAIN MEDICAL ATTENTION IMMEDIATELY OR GANGRENE MAY RESULT.
9. CONTINUOUS LONG TERM CONTACT WITH USED ENGINE OIL MAY CAUSE SKIN CANCER. AVOID PROLONGED CONTACT WITH USED ENGINE OIL. WASH SKIN PROMPTLY WITH SOAP AND WATER.
10. SOME COMPONENTS ON YOUR TRACTOR, SUCH AS ENGINE GASKETS, MAY CONTAIN ASBESTOS. REPLACEMENT PARTS PACKAGING CONTAINING THESE ITEMS ARE LABELED WITH THIS WARNING SYMBOL:



BREATHING ASBESTOS DUST IS DANGEROUS TO YOUR HEALTH. YOU ARE THEREFORE ADVISED TO HAVE ANY MAINTENANCE OR REPAIR OPERATIONS ON SUCH COMPONENTS CARRIED OUT BY AN AUTHORIZED FORD NEW HOLLAND DEALER. IF, HOWEVER, SERVICE OPERATION ARE TO BE UNDERTAKEN ON PARTS THAT CONTAIN ASBESTOS, ESSENTIAL PRECAUTIONS LISTED BELOW MUST BE OBSERVED:

- WORK OUT OF DOORS OR IN A WELL VENTILATED AREA.
- DUST FOUND ON THE TRACTOR OR PRODUCED DURING WORK ON THE TRACTOR SHOULD BE REMOVED BY EXTRACTION NOT BY BLOWING. DUST WASTE SHOULD BE DAMPENED, PLACED IN A SEALED CONTAINER AND MARKED TO ENSURE SAFE DISPOSAL.
- IF ANY CUTTING, DRILLING, ETC., IS ATTEMPTED ON MATERIALS CONTAINING ASBESTOS, THE ITEM SHOULD BE DAMPENED AND ONLY HAND TOOLS OR LOW SPEED POWER TOOLS USED.
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# OPERATING THE TRACTOR

1. **APPLY THE PARKING BRAKE, PLACE THE P.T.O. SELECTOR LEVER IN THE "NEUTRAL" POSITION, THE LIFT CONTROL LEVER IN THE DOWN POSITION, THE REMOTE CONTROL VALVE LEVERS IN THE NEUTRAL POSITION, AND THE TRANSMISSION IN NEUTRAL BEFORE STARTING THE TRACTOR.**
2. **DO NOT START THE ENGINE OR OPERATE CONTROLS WHILE STANDING BESIDE THE TRACTOR. ALWAYS SIT IN THE TRACTOR SEAT WHEN STARTING THE ENGINE OR OPERATING THE CONTROLS.**
3. **DO NOT BYPASS THE SAFETY START SWITCHES. CONSULT YOUR FORD NEW HOLLAND DEALER IF YOUR SAFETY START CONTROLS MALFUNCTION. USE JUMPER CABLES ONLY IN THE RECOMMENDED MANNER. IMPROPER USE CAN RESULT IN A TRACTOR RUNAWAY.**
4. **AVOID ACCIDENTAL CONTACT WITH THE GEAR SHIFT LEVERS WHILE THE ENGINE IS RUNNING. UNEXPECTED TRACTOR MOVEMENT CAN RESULT FROM SUCH CONTACT.**
5. **DO NOT GET OFF THE TRACTOR WHILE IT IS IN MOTION.**
6. **SHUT OFF THE ENGINE AND APPLY THE PARKING BRAKE BEFORE GETTING OFF THE TRACTOR.**
7. **DO NOT PARK THE TRACTOR ON A STEEP INCLINE.**
8. **DO NOT OPERATE THE TRACTOR ENGINE IN AN ENCLOSED BUILDING WITHOUT ADEQUATE VENTILATION. EXHAUST FUMES CAN CAUSE DEATH.**
9. **IF THE POWER STEERING OR ENGINE CEASES OPERATING, STOP THE TRACTOR IMMEDIATELY.**
10. **PULL ONLY FROM THE SWINGING DRAWBAR. USE ONLY A DRAWBAR PIN THAT LOCKS IN PLACE. PULLING FROM THE TRACTOR REAR AXLE OR ANY POINT ABOVE THE AXLE MAY CAUSE THE TRACTOR TO UPSET.**
11. **IF THE FRONT END OF THE TRACTOR TENDS TO RISE WHEN HEAVY IMPLEMENTS ARE ATTACHED TO THE THREE-POINT HITCH, INSTALL FRONT END WEIGHTS. DO NOT OPERATE THE TRACTOR WITH A LIGHT FRONT END.**
12. **ALWAYS SET THE HYDRAULIC SELECTOR LEVER IN POSITION CONTROL WHEN ATTACHING EQUIPMENT AND WHEN TRANSPORTING EQUIPMENT. BE SURE HYDRAULIC COUPLERS ARE PROPERLY MOUNTED AND WILL DISCONNECT SAFELY IN CASE OF ACCIDENTAL DETACHMENT OF IMPLEMENT.**
13. **DO NOT LEAVE EQUIPMENT IN THE RAISED POSITION.**
14. **OPERATE THE TRACTOR WITH THE ROLL BAR RAISED. ONLY LOWER THE ROLL BAR WHEN ABSOLUTELY NECESSARY.**
15. **DO NOT USE THE SEAT BELT WHEN THE ROLL BAR IS IN THE LOWERED POSITION.**
16. **ALWAYS WEAR A PROTECTIVE MASK WHEN WORKING WITH TOXIC SPRAY CHEMICALS. FOLLOW THE DIRECTIONS ON THE CHEMICAL CONTAINER.**
17. **NOISE (SOUND PRESSURE LEVEL) IN THE WORKPLACE CAN EXCEED 86dB WHEN WORKING BETWEEN BUILDINGS OR IN CONFINED SPACES. THEREFORE, IT IS RECOMMENDED THAT OPERATORS WEAR SUITABLE EAR PROTECTORS DURING VEHICLE OPERATION.**

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## **DRIVING THE TRACTOR**

- 1. WATCH WHERE YOU ARE GOING ESPECIALLY AT ROW ENDS, ON ROADS, AROUND TREES AND LOW HANGING OBSTACLES.**
- 2. TO AVOID UPSETS DRIVE THE TRACTOR WITH CARE AND AT SPEEDS COMPATIBLE WITH SAFETY, ESPECIALLY WHEN OPERATING OVER ROUGH GROUND, WHEN CROSSING DITCHES OR SLOPES, AND WHEN TURNING CORNERS.**
- 3. TO PROVIDE TWO WHEEL BRAKING, LOCK THE TRACTOR BRAKE PEDALS WHEN TRANSPORTING ON ROADS.**
- 4. KEEP THE TRACTOR IN THE SAME GEAR WHEN GOING DOWNHILL AS USED WHEN GOING UPHILL. DO NOT COAST OR FREE WHEEL DOWN HILLS.**
- 5. ANY TOWED VEHICLE WHOSE TOTAL WEIGHT EXCEEDS THAT OF THE TOWING TRACTOR MUST BE EQUIPPED WITH BRAKES FOR SAFE OPERATION.**
- 6. WHEN THE TRACTOR IS STUCK OR TIRES ARE FROZEN TO THE GROUND, REVERSE THE TRACTOR TO PREVENT OVERTURNING.**
- 7. ALWAYS CHECK OVERHEAD CLEARANCE, ESPECIALLY WHEN TRANSPORTING THE TRACTOR.**
- 8. DIM THE TRACTOR LIGHTS WHEN MEETING A VEHICLE AT NIGHT. MAKE SURE THE LIGHTS ARE ADJUSTED TO PREVENT BLINDING AN ONCOMING VEHICLE OPERATOR.**
- 9. USE THE FLASHER/TURN SIGNAL LIGHTS AND SLOW MOVING VEHICLE (SMV) SIGN WHEN TRAVELING ON PUBLIC ROADS, BOTH DAY AND NIGHT, UNLESS PROHIBITED BY LAW.**

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## **OPERATING THE P.T.O.**

- 1. WHEN OPERATING P.T.O. DRIVEN EQUIPMENT, SHUT OFF THE ENGINE AND WAIT UNTIL THE P.T.O. STOPS BEFORE GETTING OFF THE TRACTOR AND DISCONNECTING THE EQUIPMENT.**
- 2. DO NOT WEAR LOOSE CLOTHING WHEN OPERATING THE POWER TAKE-OFF OR WHEN NEAR ROTATING EQUIPMENT.**
- 3. WHEN OPERATING STATIONARY P.T.O. DRIVEN EQUIPMENT, ALWAYS APPLY THE TRACTOR PARKING BRAKE AND BLOCK THE REAR WHEELS FRONT AND BACK.**
- 4. TO AVOID INJURY, DO NOT CLEAN, ADJUST, UNCLOG OR SERVICE P.T.O. DRIVEN EQUIPMENT WHEN THE TRACTOR ENGINE IS RUNNING.**
- 5. MAKE SURE THE TRACTOR MASTER P.T.O. GUARD IS IN POSITION AT ALL TIMES AND ALWAYS REPLACE THE P.T.O. CAP WHEN THE P.T.O. IS NOT IN USE.**
- 6. MAKE SURE THE PTO SELECTOR LEVER IS IN THE NEUTRAL POSITION AND THE PTO CLUTCH CONTROL LEVER IS IN THE ENGAGED POSITION WHEN THE PTO IS NOT CONNECTED OR WHEN THE PTO IS CONNECTED BUT WILL BE DISENGAGED FOR EXTENDED PERIODS (2 MINUTES OR MORE).**



**WARNING: TO AVOID INJURY BE AWARE THAT THE PTO, DRAWBAR AND THE 3-POINT HITCH ON THIS TRACTOR DO NOT CONFORM TO A.S.A.E. STANDARDS. EQUIPMENT DESIGNED SPECIFICALLY FOR LOW CLEARANCE NARROW TRACTORS MUST BE USED. REFER TO THE PTO AND 3-POINT LINKAGE SECTION IN THIS MANUAL FOR ADDITIONAL INFORMATION.**

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