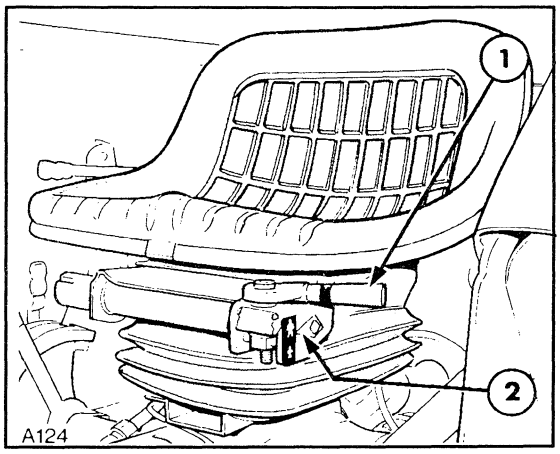
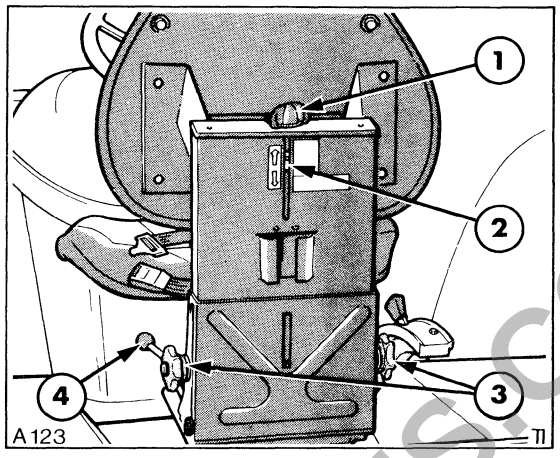



**1. Seat**

1. Suspension adjuster
2. Weight indicator




**2. Seat**

1. Suspension adjuster
2. Weight indicator
3. Height adjustment knobs
4. Seat travel adjuster

## OPERATOR'S SEAT

Two types of seat are available, each having a comprehensive range of adjustments. Before operating the tractor, it is important to adjust the seat to the most comfortable position. Refer to Figures 1 or 2 to identify the seat fitted to your tractor.

**NOTE:** *Do not use solvents to clean the seat. Use warm water with a little detergent added.*

**Seat – Figure 1**
While sitting in the seat, adjust the suspension by cranking the ratchet handle from side to side.

The ratchet is reversible. With the plus (+) sign on the handle uppermost, as shown, cranking the handle will increase suspension stiffness to give a firmer ride. Pull the handle out and rotate half a turn until the minus (–) sign is uppermost. The ratchet action is now reversed and the seat suspension will become softer as the handle is cranked.

The optimum setting will be achieved when, with the operator seated; the weight indicator on the left–hand side of the seat indicates the approximate size of the operator. This is denoted by two symbols indicating a large and a small man with, of course, an infinite number of positions in between

Fore and aft seat travel is effected after loosening the bolts securing the seat base to the tractor.

**Seat – Figure 2**
To achieve the optimum suspension setting, turn the knob on the back of the seat until the weight indicator registers your approximate weight.

To adjust the seat height, loosen the two knobs located low down on either side of the seat frame and lift the seat to the required height. Tighten the bolts.

Lift the travel adjustment lever and slide the seat backwards or forwards, as required. The seat will lock in position when the lever is released. On units not equipped with deluxe remote control valves, further travel adjustment is possible after loosening the two bolts that secure the seat base to the tractor.



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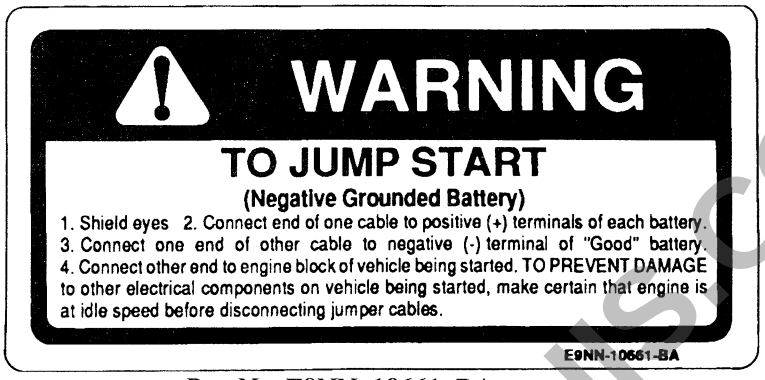

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# SAFETY DECALS

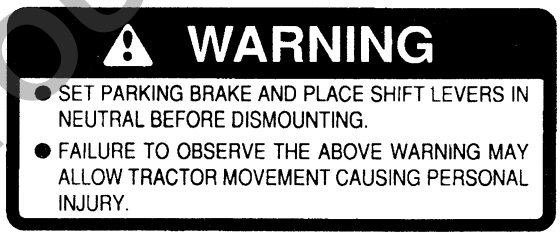
Replace all missing, damaged or illegible decals.



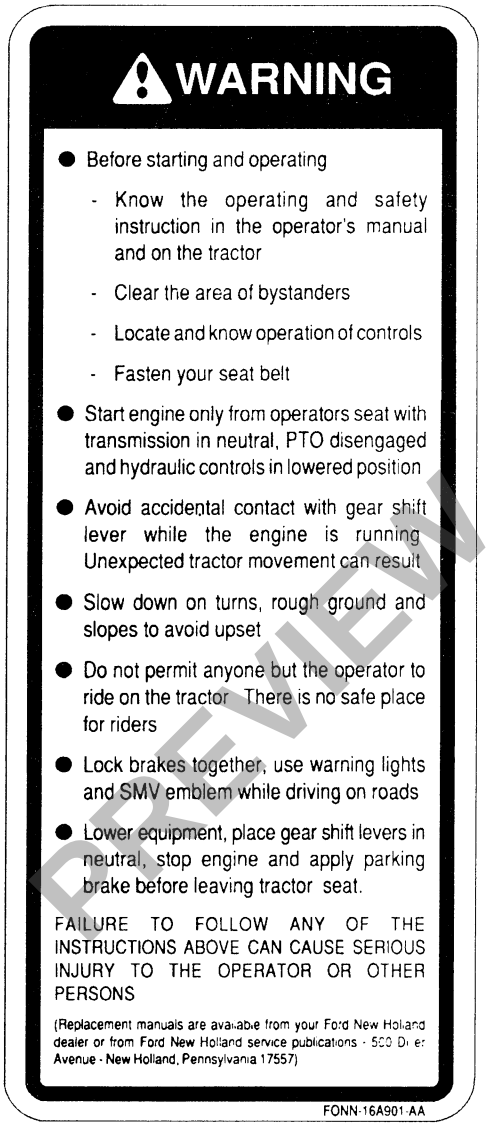

Part No. E9NN–10661–BA
Location: Top of battery



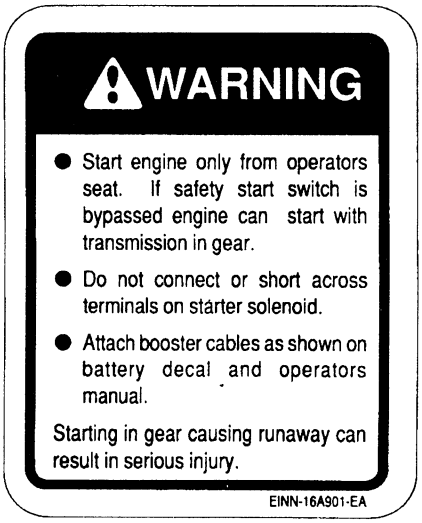

Part No. D2NN–2K106–A
Location: Handbrake lever (where fitted)




Part No. E4NN–7Z273–DA
Location: Right–hand fender




Part No. F0NN–16A901–AA
Location: Right–hand fender




Part No. E1NN–16A901–EA
Location: Starting motor



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# ABOUT THIS MANUAL

This Manual has been prepared to assist you in the correct procedure for break–in, operation and maintenance of your new Ford tractor.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the tractor was carefully inspected, both at the factory and by your Ford New Holland dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble–free operation, it is important that the routine services, as specified in this Manual, are carried out at the recommended intervals.

The upper portion of pages xv and xvii are pre–delivery inspection sheets. The first sheet (page xv) is the dealers' copy and should be removed by the dealer after the inspection has been carried out. The second sheet (page xvii) is your copy of the service performed. **Ensure that you and the dealer sign both copies.** After you have operated the tractor for 50 hours, take your tractor, together with this Manual, to your dealer. He will then perform the factory recommended 50 hour service as listed on the lower portion of pages xv and xvii. **Ensure that you and the dealer sign both copies.**

Read this Manual carefully and keep it in a convenient place for future reference. If at any time you require advice concerning your tractor, do not hesitate to contact your authorized Ford New Holland dealer. He has factory trained personnel, genuine Ford parts and the necessary equipment to carry out all your service requirements.

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*Ford New Holland policy is one of continuous improvement, and the right to change prices, specification or equipment at any time without notice is reserved.*

*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 Ford New Holland dealer.*



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# UNIVERSAL SYMBOLS

As a guide to the operation of your tractor, various universal symbols have been utilised on the instruments and controls. The symbols are shown below with an indication of their meaning.


Engine speed (rev/min x 100)


Hours recorded


Engine coolant temperature


Fuel level


Engine stop control


Lights


Horn


Engine oil pressure


Air filter


Alternator charge


Heater temperature control


Pressurised – open slowly


Continuously variable


Air conditioner temperature control


Warning


Hazard warning


Neutral


Fan


Wipe/wash control


Power take–off engaged


Power take–off disengaged


Four wheel drive engaged


Four wheel drive disengaged


Lift arm/raise


Lift arm/lower


Corrosive substance


Remote cylinder (extend)


Remote cylinder (retract)


Remote cylinder (float)


'Tortoise', slow or minimum setting


'Hare', fast or maximum setting


Transmission oil pressure


Turn Signal


Transmission oil temperature


Parking brake


Work lamps


Differential lock


See Operator's Manual

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# LUBRICATION AND MAINTENANCE

This section gives full details of the service procedures necessary to maintain your tractor at peak efficiency while the lubrication and maintenance chart on page 2 provides a ready reference to these requirements.

**In addition to the regular service operations listed, the following items should be checked every 10 hours or daily during the first 50 hours of operation:**

- Transmission oil level
- Rear axle oil level
- Rear wheel nuts for tightness
- Front axle hub oil levels (four wheel drive)

**At the first 50 hour service, ensure that the following additional service operations are carried out:**

- Change hydraulic inlet filter(s)
- Check and adjust engine valve clearance
- Check and adjust fan belt tension
- Clean, inspect and grease front wheel bearings (two wheel drive only)
- Change front differential oil (four wheel drive only)
- Change front axle hub oil (four wheel drive only)
- Check and adjust brakes
- Check torque of front end weight clamp bolts (where fitted)

**NOTE:** *Ensure that the tractor is on level ground and that all rams are extended, where applicable, before checking oil levels. See Section C – SPECIFICATIONS for additional amount that may be added to the rear axle and for oil capacities and grades.*

*To prevent contamination when changing oils, filters, etc., always clean the area around the filler, level and drain plugs, dipsticks and filters. Before connecting remote cylinders, ensure that oil contained within them is clean, has not degenerated due to long storage and is of the correct grade.*



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# SAFETY PRECAUTIONS

6. Escaping diesel/hydraulic 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.

7. 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.

8. 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.

9. Tractor wheels are very heavy. Handle with care and ensure, when stored, that they cannot topple and cause injury.

**DIESEL FUEL**

1. Under no circumstances should gasoline, alcohol or blended fuels be added to diesel fuel. These combinations can create an increased fire or explosive hazard. In a closed container such as a fuel tank these blends are more explosive than pure gasoline. **Do not use these blends.**

2. Never remove the fuel cap or refuel with the engine running or hot.

3. Do not smoke while refuelling or when standing near fuel.

4. Maintain control of the fuel filler pipe nozzle when filling the tank.

5. Do not fill the fuel tank to capacity. Allow room for expansion.

6. Wipe up spilled fuel immediately.

7. Always tighten the fuel tank cap securely.

8. If the original fuel tank cap is lost, replace it with a Ford New Holland approved cap. A non–approved cap may not be safe.

9. Keep equipment clean and properly maintained.

10. Do not drive equipment near open fires.

11. Never use fuel for cleaning purposes.

12. Arrange fuel purchases so that summer grade fuels are not held over and used in the winter.

**ROLL OVER PROTECTIVE STRUCTURE (ROPS)**

Your Ford tractor is equipped with a Roll Over Protective Structure (ROPS). It must be maintained in a serviceable condition. Be careful when driving through doorways or working in confined spaces with low headroom.

**Under no circumstances:**

1. – – – modify, drill or alter the ROPS in any way.

2. – – – attempt to straighten or weld any part of the ROPS or retaining brackets which have suffered damage. By doing so you may weaken the structure and endanger your safety.

3. – – – secure any parts on the ROPS or attach your ROPS with other than the special high tensile bolts and nuts specified.

4. – – – attach chains or ropes to the ROPS for pulling purposes.

5. – – – take unnecessary risks even though your ROPS and seat belt afford you the maximum protection possible.

Whenever you see this symbol ⚠ it means:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!



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- Return the throttle to the idle position and check that all warning lights extinguish and gauge readings are normal.

**Starting in cold weather – below 4° C (40° F) with a cold engine**

- Open the hand throttle fully, depress the clutch and turn the key–start switch clockwise to position (4) to operate the Thermostart heater. Hold in this position for 15 seconds then turn the key fully clockwise to position (5). Crank the engine until it starts but do not operate the starting motor for more than 60 seconds.

- If the engine fails to start, repeat the foregoing procedure operating the Thermostart for 15 seconds and the starting motor for up to 60 seconds. If the engine still fails to start, allow the battery to recover for 4 – 5 minutes then repeat the procedure.

- When the engine starts, return the throttle to the idle position and check that all warning lights extinguish and gauge readings are normal.

## COOLANT IMMERSION HEATER (where fitted)

This dealer installed accessory consists of a heating element fitted into one of the core plug apertures on the right–hand side of the block. This accessory provides easier starting down to –29° C (–20° F).

To operate the heater, connect the heater plug to a suitable 115 volt outlet and leave for two hours before carrying out the cold weather starting procedure.

**NOTE:** *The heater may be left switched on for more than two hours without harm. However, no noticeable increase in the heater's effectiveness will be achieved after this period.*

## STARTING THE TRACTOR WITH JUMP LEADS

If it is necessary to use jump leads (booster cables) to start the tractor, proceed as follows:

**WARNING:** *Start the tractor **only** from the driver's seat. If the key–start switch is by–passed, the engine may start inadvertently with a gear selected and cause sudden and unexpected movement of the tractor or a tractor runaway. Wear eye protection when starting the tractor with jump leads or when charging the battery.*

- Connect one end of the red jump lead to the tractor battery positive (+) terminal and the other end to the auxiliary battery positive (+) terminal.

- Connect one end of the black jump lead to the auxiliary battery negative (–) terminal and the other end to a suitable projection on the tractor engine block. Follow the starting procedure previously described.

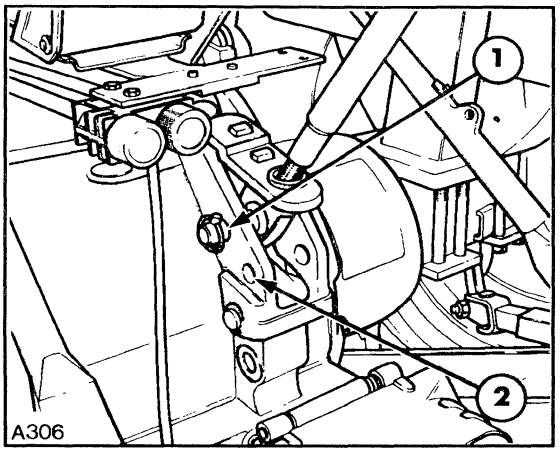
- When the engine starts allow it to run at idle speed, turn on all electrical equipment (lights, etc.) then disconnect the jump leads in the reverse order to the connecting procedure. This will help protect the alternator from possible damage due to extreme load changes.

**NOTE:** *When using an auxiliary battery to start the engine, ensure that the polarity of the jump leads is correct – **positive to positive, negative to negative**, otherwise the alternator may be damaged.*



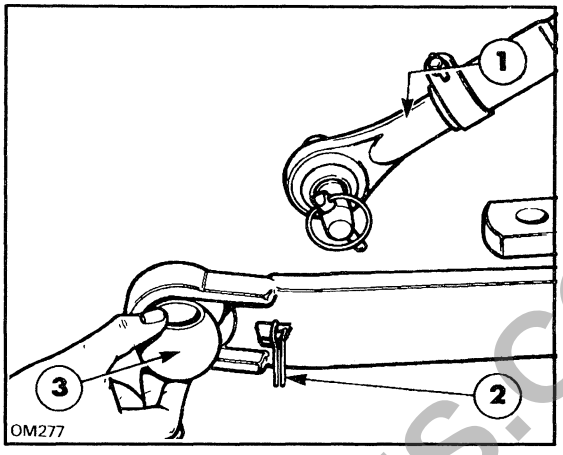
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**23. Hydraulic Lift Rocker**

1. Light draft position
2. Heavy draft position




**24. Changing the Linkage Category**

1. Top link end
2. Spring retainer
3. Ball

### Hydraulic Lift Rocker

When operating in Draft Control, draft signals are transmitted via the top link and hydraulic lift rocker to the control valve within the hydraulic system. The draft signal transmitted may be varied by adjustment of the lift rocker connections.

The lift rocker has two holes for attachment of the top link.

With the top link in the upper hole of the rocker, as shown in Figure 23, the hydraulic system is more sensitive to changes in draft loading and is the recommended setting for light draft loads and equipment.

With the top link in the lower hole in the rocker the system is less sensitive to draft loadings and should be used when operating with heavier equipment or for heavy draft loads.

### Linkage Categories

An alternative pair of lower link balls and an outer section of the top link are available as an accessory.

To change the linkage category pull back the latch and unscrew the implement end of the top link Figure 24. Install the alternative outer section of the top link.

Pull back the spring retainer on each lower link, turn the ball until the pin hole is vertical and remove the ball. Reverse the procedure to install the alternative ball.

### Telescopic Stabilizers (where fitted)

The telescopic stabilizers, Figure 25, will control the sway of the lower links and attached equipment when in work or being transported. This is especially important when operating on slopes or near fences, walls or ditches and with certain implements. Check your Implement Operator's Manual.

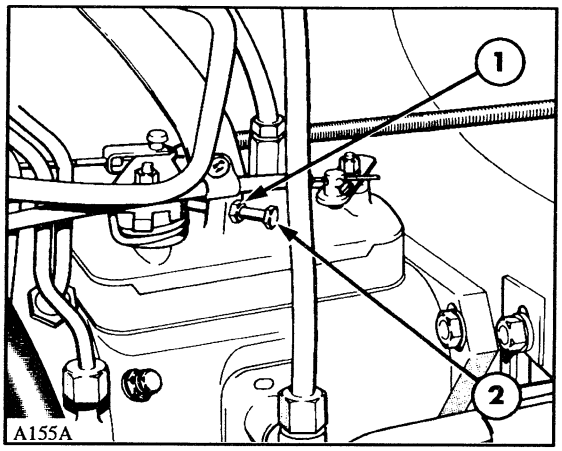
Each stabilizer consists of a fabricated, square section tube attached to a mounting bracket bolted to the outer ends of the rear axle housing. A square–section rod, attached to the lower links, is a loose, sliding fit within the tube and the overall length of the assembly is determined by the position of a pin that may be passed through drillings in the tube and rod.



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## GENERAL MAINTENANCE (continued)




**81. Engine Idle Speed Adjustment (3–cylinder illustrated – Ford 5030 is similar))**

1. Locknut
2. Stop screw

### 81. Engine Idle Speed

Loosen the locknut, Figure 81 and turn the stop screw to adjust the engine idle speed. The maximum no–load speed is set in the factory and must only be adjusted, if required, by an authorized Ford New Holland dealer.

### 82. Tractor Storage

Before storing the tractor for an extended period, the following precautions should be taken:

- Clean the tractor.
- Drain the engine, transmission and rear axle and refill with clean oil.
- Drain the fuel tank and pour approximately two gallons of special calibrating fuel into the tank. Run the engine for at least 10 minutes to ensure complete distribution of the calibrating fuel throughout the injection system. See the next item before running the engine.
- Check the radiator coolant level. If the coolant is within 200 hours of the next change, renew the coolant and inhibitor. See Operations 69 and 70. Run the engine for one hour to disperse the inhibitor throughout the cooling system.
- Lubricate all grease fittings.
- Raise the lift linkage hydraulically and support the lift arms in the fully raised position.
- Lightly coat all exposed hydraulic piston rods with petroleum jelly, e.g., power steering cylinder rams, lift assist rams, spool valves, etc.
- Remove the battery and store in a warm, dry atmosphere. Recharge periodically.
- Raise the tractor and place supports under the axles to take the weight off the tires.
- Block the clutch pedal in the fully depressed position.
- Cover the exhaust pipe opening.

### 83. Preparing the Tractor for Use after Storage

- Inflate the tires to the correct pressure.
- Refill the fuel tank.
- Check the radiator coolant level.
- Check all oil levels.
- Install a fully charged battery.
- Remove the exhaust pipe covering.
- Start the engine and check that all instruments and controls are functioning correctly.
- Drive the tractor without a load to ensure that it is operating satisfactorily.

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