SEAT, SEAT BELT AND ROPS

TRACTOR SEAT

Your Ford 1220 Tractor is equipped with a molded cushion seat as shown in Figure 1. The seat is adjustable to obtain the most comfortable position. To move the seat fore and aft, move the release lever to the side and slide the seat fore and aft as required, Figure 2.

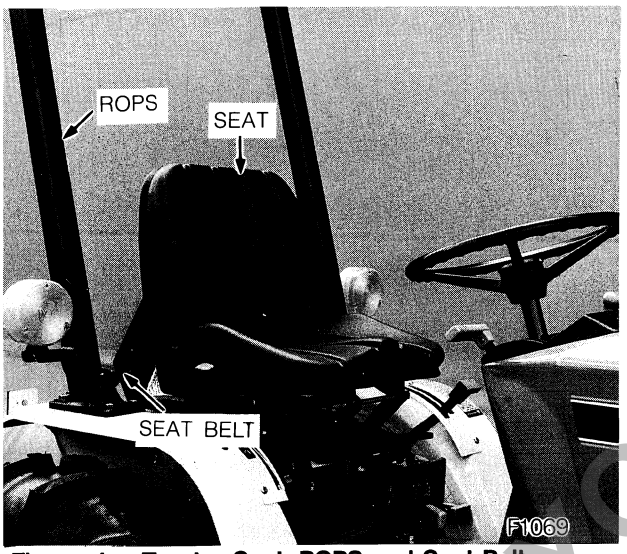


Figure 1 – Tractor Seat, ROPS and Seat Belt



Figure 2 – Tractor Seat Adjustment

ROLLOVER PROTECTIVE STRUCTURE (ROPS)

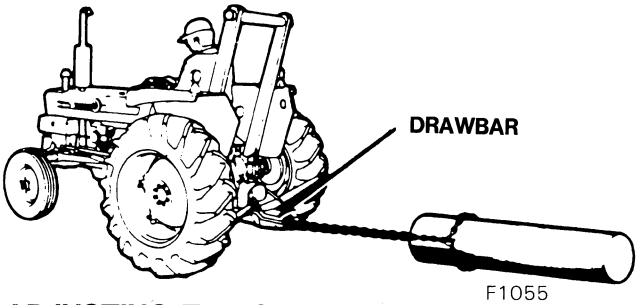
A Roll Over Protective Structure (ROPS) and seat belts were standard equipment for this tractor at time of factory assembly. If the ROPS was deleted by the original purchaser or has been removed, it is recommended that you equip your tractor with a Roll Over Protective Structure (ROPS) and seat belts. ROPS are effective in reducing injuries during tractor overturn accidents. Overturning tractor without a ROPS can result in serious injury or death.

Roll Over Protective Structure (ROPS), and seat belts are available from your Ford New Holland Dealer.

The safety offered by the roll bar and seat belt is minimized if your seat belt is not buckled. Always use your seat belt – they save lives.

WARNING: Always wear the seat belt when the tractor is equipped with a ROPS. DO NOT use the seat belt if the ROPS is removed from the tractor.

WARNING: DO NOT attach chains or ropes to the roll bar for pulling purposes since the tractor can tip backward. Always pull from the tractor drawbar. Be careful when driving through door openings or under low overhead objects. Make sure there is sufficient overhead clearance for the roll bar.



ADJUSTING THE SEAT BELT

To lengthen the belt, tip the buckle end down and pull on the buckle until the ends can be joined.

To shorten the belt, buckle it, then pull on the loose end until the belt is snug.

If the seat belt is to be cleaned, use soap and water. Do not use carbon tetrachloride, naphtha, etc., as these will weaken the webbing. For the same reason, do not bleach or redye the webbing. Replace seat belt if worn or damaged.

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BREAK-IN PROCEDURES

Your Ford Tractor will provide long and dependable service if given proper care during the 50-hour break-in period. During the first 50 hours of operation :

1. Avoid "lugging" the engine. Operating in too high a gear under heavy load may cause engine "lugging", which is indicated when the engine will not respond to a throttle increase.
2. Use the lower gear ratios when pulling heavy loads and avoid continuous operation at constant engine speeds. You will save fuel and minimize engine wear by selecting the correct gear ratio for a particular operation. Operating the tractor in low gear with a light load and high engine speed will waste fuel.
3. Avoid prolonged operation at either high or low engine speeds without a load on the engine.
4. Check the instruments frequently and keep the radiator and oil reservoirs filled to their recommended levels. Daily checks include :
   - Engine oil level
   - Radiator coolant
   - Air cleaner

STARTING THE ENGINE

Safety switches on the tractor allows the starting motor to be used only when the clutch pedal is fully depressed and when the rear P. T. O. lever and mid P. T. O. lever (if equipped) are in "OFF" positions. For safe operation the transmission gear shift levers should be in neutral position prior to starting the engine.

WARNING : Never attempt to start the engine while standing beside the tractor — always sit in the seat when starting the engine.

IMPORTANT : Do not engage the starting motor continuously for more than 30 seconds ; doing so may cause starting motor failure.

WARM WEATHER STARTING

To start a cold engine in warm weather or to start an engine that is warm .

1. Depress the clutch pedal fully and move the P. T. O. and transmission shift levers to the off and neutral positions.
2. Move the hand throttle forward to a near full open position.
3. Turn the key switch to the "start" position, Figure **16**. When the engine starts, relese the key. Check to be sure the warning lights go out. If the engine fails to start after cranking for approximately 10 seconds, refer to the following "COLD WEATHER STARTING" information.

COLD WEATHER STARTING

If the engine fails to start using the preceding warm weather starting procedure or when starting the engine in cold weather:

1. Depress the clutch pedal fully and move the P.T.O.and transmission shift levers to the off and neutral positions.
2. Move the hand throttle forward to the full-open position.
3. Turn the key switch to "HEAT" to preheat the precombustion chamber and wait until the cold-start aid indicator warning light on the instrument panel goes out (approximately 4 seconds).
4. Turn the key switch to the "START" position. When the engine starts, release the key. Check to be sure the warning lights go out.

   IMPORTANT : In cold weather below 23°F (−5°C) start the engine after holding the key switch to the "HEAT" position for approximately 10 seconds even if the glow plug indicator warning light has gone out.

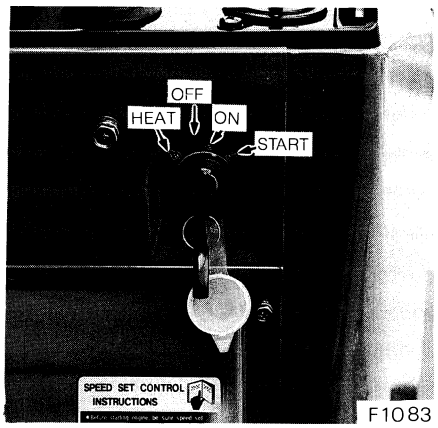


Figure 16 — Key Switch

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SAFETY PRECAUTIONS

The following precautions are suggested to help prevent accidents.

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read and take the following precautions before operating this tractor to help prevent accidents. 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. Use an approved Rollbar and Seat Belt for safe operation. Overturning a tractor without a rollbar can result in death or injury. If your tractor is not equipped with a rollbar and seat belt, see your Ford New Holland Dealer.
3. Always use the seat belt. Do not use the seat belt if the rollbar has been removed from the tractor.
4. If a front end loader is to be installed, always use a FOPS canopy to avoid injury from falling objects.
5. 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.
6. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders.
7. Replace all missing, illegible, or damaged safety decals. See list of decals on page 53.
8. Keep safety decals clean of dirt and grime.

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 system is hot. Always turn 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 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. Keep open flame away from battery or cold weather starting aids to prevent fires or explosions. Use jumper cables according to instructions to prevent sparks which could cause explosion.
5. Stop the engine before performing any service on the tractor.
6. 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 engine and relieve pressure before connecting or disconnecting lines.
   - Tighten all connections before starting engine or pressurizing lines.

   If fluid is injected into the skin, obtain medical attention immediately or gangrene may result.
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. 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.
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 gaskets and friction surfaces (brake linings, clutch linings etc.), may contain asbestos. 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 operations are to be undertaken on parts that contain asbestos, the 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.

OPERATING THE TRACTOR

1. Apply the parking brake, place the P.T.O.lever in the "OFF" 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 controls.
3. Do not bypass the neutral start switches. Consult your Ford New Holland Dealer if your neutral start controls malfunction. Use jumper cables only in the recommended manner. Improper use can result in 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. Disengage PTO, 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 power steering or engine ceases operating, stop the tractor immediately.
10. Pull only from the drawbar or the lower link drawbar in the down position. 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.

(cont.)

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PRE-DELIVERY SERVICE

CHECK AND ADJUST AS REQUIRED

INOPERATIVE SERVICE CHECKS

1. Tire pressure ☐
2. Air cleaner element and hose connections ☐
3. Radiator coolant level ☐
4. Fan belt tension ☐
5. Battery cleanliness, vent openings, electrolyte level, and charge ☐
6. Engine oil level ☐
7. Power steering reservoir oil level ☐
8. Transmission and rear axle ☐
9. Front axle and front differential oil level (4WD) ☐
10. Hydraulic Lift control adjustment ☐
11. Upper link, and hitch ☐
12. Brake adjustment and pedal equalization ☐
13. Rear wheel disc and hub bolts for tightness ☐
14. Front wheel hub bolts for tightness (2WD) ☐
15. Front wheel hub bolts for tightness(4WD) ☐
16. Front wheel toe-in ☐
17. Fuel level ☐
18. Sheet metal and paint condition ☐
19. Check lift rod for proper operation ☐
20. Drain diesel fuel filter ☐

SAFETY ITEMS CHECKS

1. ROPS installed ☐
2. Seat belts installed ☐
3. Bolt torque check of ROPS and seat belt ☐
4. PTO master shield installed ☐
5. SMV emblem installed ☐
6. Safety decals installed ☐
7. Neutral start switches operation ☐
8. Parking brake & latch operation ☐
9. Flashing lights/tail lights operation ☐
10. Operator's Manual ☐

OPERATIVE SERVICE CHECKS

All operating checks are to be performed with the tractor at normal operating temperature

1. Lights and instruments for proper operation, and fuel shut down with key switch OFF ☐
2. Fluid and oil leaks ☐
3. Maximum no-load speed and idle speed adjustments ☐
4. P.T.O. engagement and disengagement ☐
   - ● Clutch pedal and P.T.O. lever ☐
5. Hydraulic System:
   - ● Selector lever for position control ☐
   - ● Flow control operation ☐
6. 4-wheel drive lever operation ☐
7. Low speed (creeper) lever ☐
8. Operation of H.S.T ☐

TRACTOR MODEL NO. _____ **INSPECTION PERFORMED** **WARRANTY EXPLAINED** **TRACTOR SERIAL NO.** _____

OWNER'S SIGNATURE **DATE** **DEALER'S SIGNATURE** **DATE**

50-HOUR SERVICE

CHECK AND ADJUST AS REQUIRED

INOPERATIVE SERVICE CHECKS

1. Tire pressure ☐
2. Check air cleaner hose connection ☐
3. Replace diesel fuel filter(s) ☐
4. Tighten in-line pump delivery valve holders ☐
5. Radiator coolant level ☐
6. Fan belt tension ☐
7. Battery cleanliness and vent openings, electrolyte level and charge ☐
8. All electrical cables, terminals and wires ☐
9. Drain and refill engine oil ☐
10. Replace engine oil filter ☐
11. Power steering reservoir oil level ☐
12. Transmission and rear axle oil level ☐
13. Front differential and front axle oil level (4WD) ☐
14. Injection pump timing ☐
15. Cylinder head bolt torque ☐
16. Replace hydraulic system oil filter ☐
17. Replace H.S.T. cartridge oil filter ☐
18. Bolt torque check of ROPS and seat belt ☐

OPERATIVE SERVICE CHECKS

1. Lights and instruments for proper operation, and fuel shut down with key switch OFF ☐
2. Fluid and oil leaks ☐
3. Maximum no-load speed and idle speed adjustments ☐
4. Starting and starter safety switches ☐
5. Valve lash ☐
6. Hydraulic system:
   - ● Selector lever for position control operation ☐
   - ● Flow control operation ☐

   (Note: Flow control only on H.P.L. lowering rate speed can be adjusted)

PERFORMANCE SERVICE CHECKS

1. Engine operation including throttle and governor operation ☐
2. Transmission including clutch ☐
3. Steering control ☐
4. Differential lock engagement and disengagement ☐
5. Brake action ☐
6. All optional equipment and accessories ☐
7. Hydrostatic Transmission ☐

TRACTOR MODEL NO. _____ **INSPECTION PERFORMED** **TRACTOR SERIAL NO.** _____

OWNER'S SIGNATURE **DATE** **DEALER'S SIGNATURE** **DATE**

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