

NEW HOLLAND



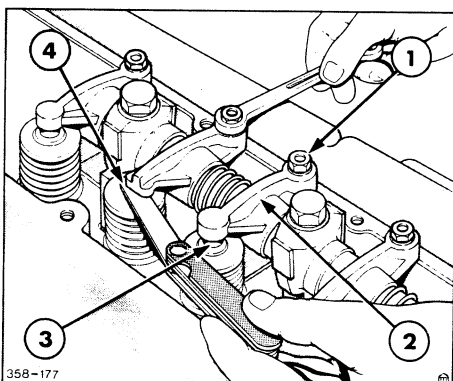
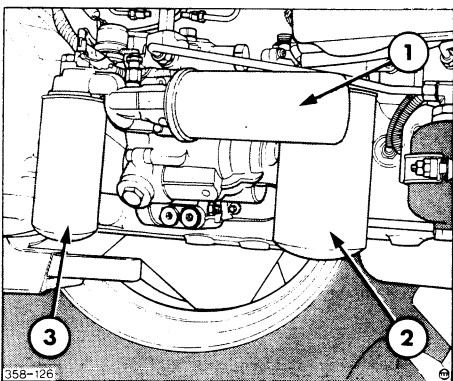
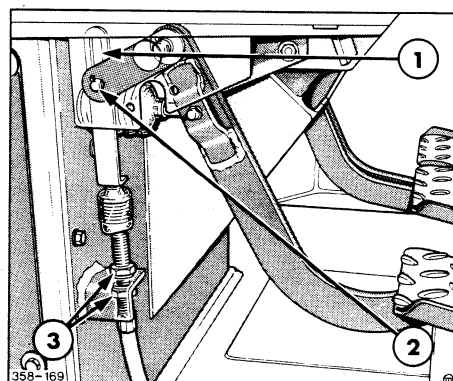
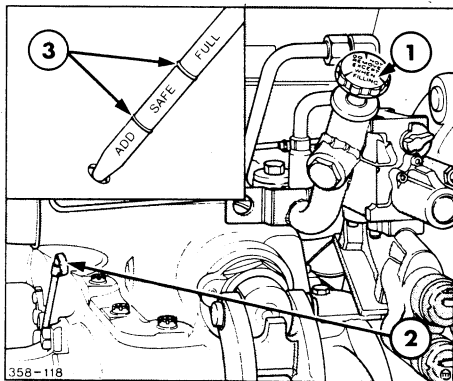
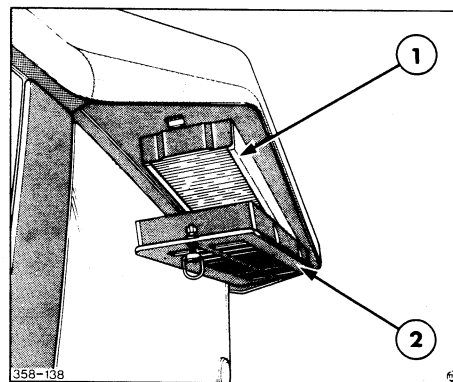
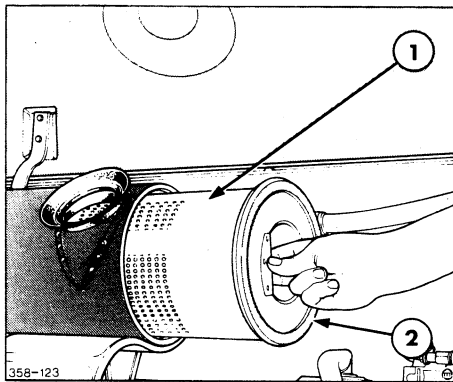
Owner's Maintenance Manual – tractors with or less cab

NEW HOLLAND

Tractors

5640, 6640, 7740 and 7840 SL Range

5640, 6640, 7740, 7840, 8240 and 8340 SLE Range



INTRODUCTION

This Manual has been prepared to assist you in maintaining your new Ford tractor to keep it in peak condition. The Manual covers tractors with and without cab. Any features shown in this Manual that are not installed on your tractor should be ignored.

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 Maintenance Manual, are carried out at the recommended intervals.

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.

Read this Manual carefully and keep it in a convenient place for future reference. If at any time you require service or 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.

Pages iii and iv inclusive list the service related precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered before performing a service on the tractor.

Pages v and vii are the 50-hour service sheets. The first sheet (page v) is the dealer's copy and should be removed by the dealer after the service has been carried out. The second sheet (page vii) is your copy of the service performed. **Ensure that you and the dealer sign both copies.**

Following these introductory pages, the Manual is split into three sections, each section detailing a specific service. Section A details the routine lubrication and maintenance procedures and includes a comprehensive service chart. Section B describes general maintenance requirements, that is, service procedures and adjustments that need be carried out only when required. The specification of the tractor is given in section C. An index is provided at the back of the Manual.

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.

UNIVERSAL SYMBOLS

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

| | | | | | | | |
|---|--|---|------------------------------|---|---------------------------------------|---|------------------------------------|
|  | Thermostart starting aid |  | Horn |  | 1000 rev/min P.T.O. |  | Warning! |
|  | Alternator charge |  | Radio |  | 540 rev/min P.T.O. |  | Position Control |
|  | Fuel level |  | Keep alive memory |  | Transmission in neutral |  | Draft Control |
|  | Automatic fuel shut-off |  | Turn signals |  | Low transmission range |  | Accessory socket |
|  | Engine speed (rev/min x 100) |  | Turn signals -one trailer |  | Medium transmission range |  | Implement socket |
|  | Hours recorded |  | Turn signals -two trailers |  | High transmission range |  | Hitch disabled |
|  | Engine oil pressure |  | Front wind-screen wash/wipe |  | Creeper gears |  | %age slip |
|  | Engine coolant temperature |  | Rear wind-screen wash/wipe |  | Slow or low setting |  | Pressurised! Open carefully |
|  | Engine coolant temperature (alternative) |  | Heater temperature control |  | Fast or high setting |  | Hitch raise |
|  | Tractor lights |  | Heater fan |  | Ground speed |  | Hitch lower |
|  | Right-hand side lights |  | Air conditioner |  | Differential lock |  | Hitch height limit |
|  | Left-hand side lights |  | Air filter |  | Rear axle oil temperature |  | Steering filter |
|  | Headlamp main beam |  | Parking brake |  | Steering outlet/transmission pressure |  | Charge intake and pressure filters |
|  | Headlamp dipped beam |  | Roof beacon |  | FWD engaged |  | Remote valve extend |
|  | Stop lamps |  | Warning! Corrosive substance |  | FWD dis-engaged |  | Remote valve retract |
|  | Front work lamps |  | Variable control |  | Hazard warning lights |  | Malfunction! See Operator's Manual |
|  | Rear work lamps | | | | | | |

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** servicing the tractor. Equipment should be operated only by those who are responsible and instructed to do so.


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. Always turn the cap slowly to the first stop and allow the pressure to escape before removing the cap entirely.
2. Do not smoke while refuelling the tractor. Keep any type of open flame away. Wait for the engine to cool before refuelling.
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 fire or explosion, 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. Do not attempt to service the air conditioning system (where fitted). It is possible to be severely frost bitten or injured by escaping refrigerant. Special equipment and instruments are required to service the air conditioning system. See your Ford New Holland dealer for service.
6. Stop the engine before performing any service on the tractor.
7. 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.
8. Do not modify or alter or permit anyone else to modify or alter the tractor or any of its components or any tractor function without first consulting a Ford New Holland dealer.
9. 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.
10. 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.
11. Tractor wheels are very heavy. Handle with care and ensure, when stored, that they cannot topple and cause injury.
12. 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 authorised Ford New Holland dealer. If, however, service operations are to be undertaken on parts that contain asbestos, the following essential precautions 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.

SAFETY PRECAUTIONS


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.

Whenever you see this symbol  it means:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

A vehicle identification plate is located under the tractor hood. In addition, if your tractor is equipped with optional four wheel drive, a similar plate is affixed to the rear surface of the front axle housing. For convenience, the numbers shown on the plates should be recorded in the panels below and quoted to your Ford New Holland dealer in the event the tractor requires service.

| | |
|---|----------------|
|  | |
| Ford New Holland Limited MADE IN ENGLAND | |
| TRACTOR NUMBER | |
| [REDACTED] | |
| MODEL | UNIT |
| [REDACTED] | [REDACTED] |
| ENGINE | |
| [REDACTED] | |
| TRANSMISSION | REAR AXLE |
| [REDACTED] | [REDACTED] |
| HYDRAULIC PUMP | HYDRAULIC LIFT |
| [REDACTED] | [REDACTED] |

358-176

Vehicle Identification Plate

| | | | |
|------------|--------------|---------------|------------|
| ○ | AXLE TYPE | SERIAL NUMBER | ○ |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | REF. NUMBER | TOTAL RATIO | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | INPUT ROT. | DIFF. TYPE | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | OIL SPECIFIC | LIT. | LOCATION |
| [REDACTED] | [REDACTED] | [REDACTED] | DIFF. |
| [REDACTED] | [REDACTED] | [REDACTED] | EPIC. |
| ○ | [REDACTED] | | ○ |

Front Axle Identification Plate

FIRST 50-HOUR SERVICE

CHECK AND ADJUST, AS REQUIRED

INOPERATIVE SERVICE CHECKS:

1. Tire pressures and condition
2. Dry air cleaner element and hose connections
3. Change fuel filter, drain water separator and bleed system
4. Radiator coolant level and antifreeze protection (S.G. 1.071-1.083 at 60° F)
5. Poly V belt condition
6. Drain engine oil and refill
7. Change engine oil filter
8. Change hydraulic filter(s)
9. Rear axle center housing oil level
10. Change front axle differential oil (4wd)
11. Change front hub oil (4wd)
12. Grease front wheel bearings (2wd)
13. Lubricate all grease fittings and pivots
14. Wheel disc-to-hub nuts for tightness
15. Wheel-to-rim clamp bolts or lock nuts for tightness
16. Front end weight clamp bolts for tightness ...
17. Adjust engine valve clearance
18. Brake adjustment and pedal equalization
19. Check and adjust parking brake
20. Clutch pedal free play

OPERATIVE SERVICE CHECKS

1. Lights and instruments for proper operation
2. Fluid and oil leaks
3. Maximum no-load speed and idle speed adjustments and fuel shut-off
4. P.T.O. operation
5. Hydraulic System:
 - Draft Control operation
 - Position control operation
 - Flow control operation
 - Auxiliary Services Control or remote control valves (if installed)

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 ...

SAFETY ITEMS CHECKS:

1. Cab or ROPS bolt torque (where fitted) ..
2. P.T.O. and transmission neutral start switches operative

SERVICE PERFORMED

TRACTOR MODEL NO. TRACTOR SERIAL NO.
OWNER'S SIGNATURE DATE DEALER'S SIGNATURE DATE

FIRST 50-HOUR SERVICE

CHECK AND ADJUST, AS REQUIRED

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SERVICE PERFORMED

TRACTOR MODEL NO. TRACTOR SERIAL NO.
OWNER'S SIGNATURE DATE DEALER'S SIGNATURE DATE

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