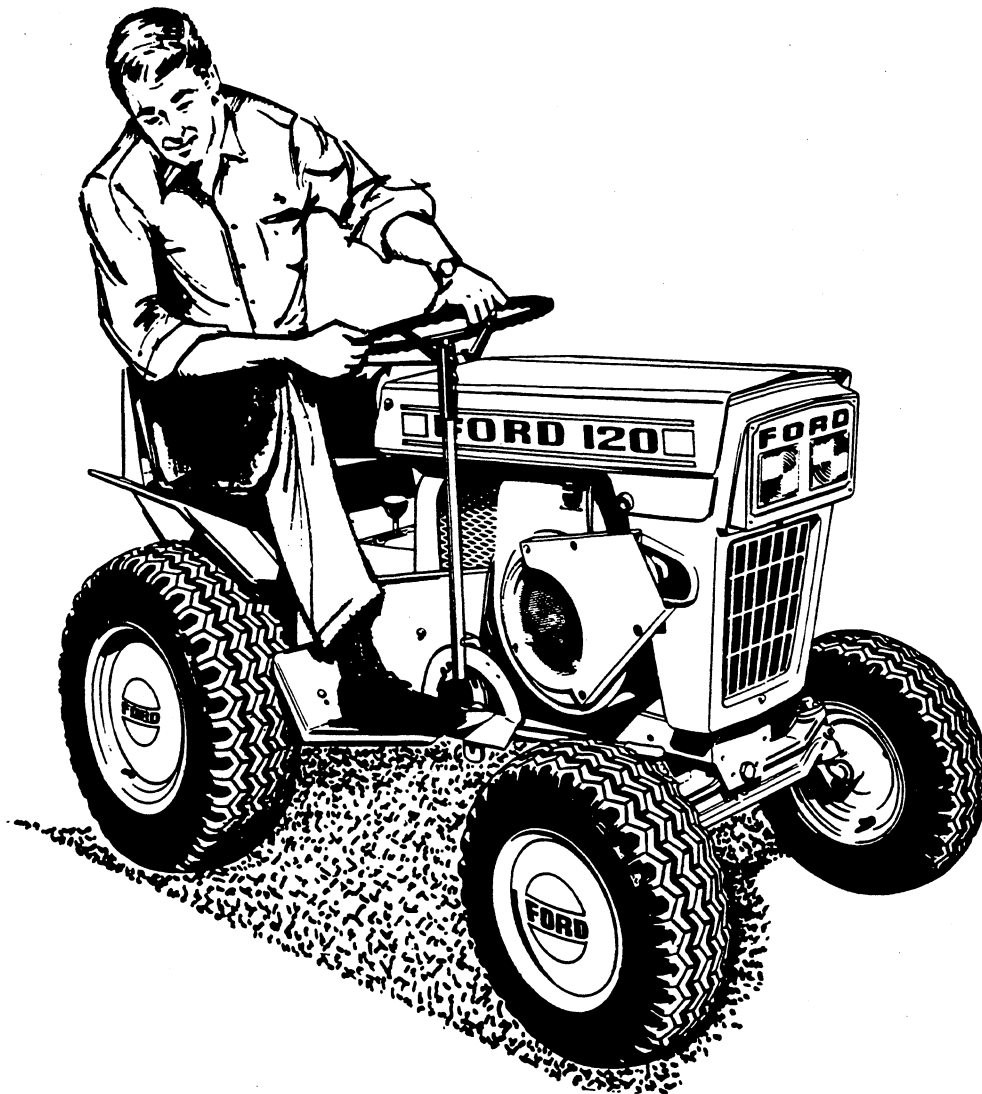


FORD

Operator's Manual



Lawn and Garden Tractors
100 and 120



42010020
Reprinted

FOREWORD

THIS MANUAL PROVIDES SUGGESTED OPERATING TECHNIQUES TO HELP YOU OBTAIN EFFICIENT AND DEPENDABLE USE FROM YOUR NEW FORD 100 OR 120 LAWN AND GARDEN TRACTOR. WHERE DIFFERENCES EXIST, SPECIFIC INFORMATION IS PRESENTED FOR EACH MODEL. THIS MANUAL ALSO CONTAINS GENERAL INFORMATION, SPECIFICATIONS, SAFETY SUGGESTIONS, MAINTENANCE, AND SET-UP INFORMATION.

A WIDE VARIETY OF ACCESSORIES ARE AVAILABLE FOR USE WITH YOUR NEW TRACTOR. THESE ACCESSORIES WILL ADD PLEASURE TO YOUR OPERATING TIME. YOUR FORD TRACTOR-EQUIPMENT DEALER WILL HELP YOU DETERMINE WHICH ACCESSORIES WILL BE MOST USEFUL IN YOUR PARTICULAR SITUATION.

READ THIS MANUAL CAREFULLY BEFORE OPERATING YOUR TRACTOR. KEEP IT HANDY FOR FUTURE REFERENCE. IF, AT ANY TIME, YOU HAVE ANY QUESTIONS ABOUT YOUR TRACTOR, REMEMBER YOUR FORD TRACTOR-EQUIPMENT DEALER IS BEST QUALIFIED TO HELP YOU. HE HAS FACTORY-TRAINED SERVICE TECHNICIANS, GENUINE FORD PARTS, AND THE CORRECT TOOLS AND EQUIPMENT TO DO THE JOB RIGHT IN THE SHORTEST POSSIBLE TIME.

SERVICE DEPARTMENT
FORD TRACTOR OPERATIONS
FORD MOTOR COMPANY

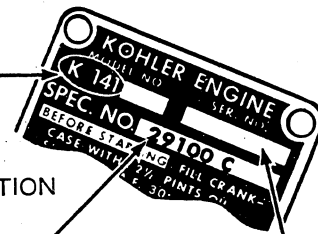
PARTS ORDERING INSTRUCTIONS

When ordering replacement parts from your Dealer, always state Model, Serial and Specification numbers as found on the nameplate of your engine. If a letter follows the specification number, make sure this is also stated. This information will enable the Dealer to quickly locate the correct part for your particular engine.

① MODEL NUMBER

② SPECIFICATION NUMBER

③ SERIAL NUMBER



WARRANTY

FORD MOTOR COMPANY warrants to the owner each part of this Ford Tractor and/or Ford Equipment to be free, under normal use and service, from defects in material and workmanship for a period of six months from the date of sale to the original retail purchaser. This warranty shall be fulfilled by the Dealer (or, if the owner of the tractor is traveling or has become a resident of a different locality, by any authorized Ford Tractor-Equipment Dealer) by replacing or repairing at his place of business, free of charge including related labor, any such defective part.

This warranty shall not apply to (1.) vendor-warranted items such as tires and tubes, (2.) to normal maintenance services (such as engine tune-up, fuel system cleaning and wheel, brake and clutch adjustment), or (3.) to normal replacement of service items (such as filters, brake or clutch linings), or (4.) to deterioration of belts and exterior finish due to normal use or exposure, or (5.) to parts of any tractor or equipment that has been subject to negligence, alteration or accident, or which has been used with parts or equipment not made or supplied by FORD MOTOR COMPANY if, in the reasonable judgment of the Company and/or its authorized Dealers, such use affects its performance or reliability, or (6.) to parts of any tractor or equipment that have been altered or repaired outside of the Dealer's place of business in a manner so as, in the reasonable judgment of the Company, to affect its performance or reliability.

EXCEPT FOR PERSONAL INJURIES PROVED TO HAVE BEEN CAUSED BY A DEFECT, THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS AND OF ANY OTHER OBLIGATION ON THE PART OF THE COMPANY AND/OR ITS AUTHORIZED DEALERS.

BATTERY ADJUSTMENT POLICY - Any original Ford equipment or Ford accessory battery found to be defective after expiration of the regular six month warranty coverage to the original purchaser, will be replaced by any authorized Ford Tractor-Equipment Dealer on a pro rata basis for a period from 7 to 24 months, but not exceeding 24 months from date of sale to original purchaser.

FORD MOTOR COMPANY reserves the right to make changes in its products at any time and without prior notice. When such changes are made, neither FORD MOTOR COMPANY or its Dealers assume any obligation to make these changes in products previously manufactured.

This warranty covers those Ford Tractors and units of Ford Equipment which are distributed by Tractor and Implement Operations (U.S.) and subsequently sold by authorized Ford Tractor-Equipment Dealers for use within the continental boundaries of the United States only.

OPERATOR'S MANUAL

TABLE OF CONTENTS

GENERAL INFORMATION	Page
POWER PLANT	3
DRIVE TRAIN	3
4-Speed Transmission Tractors	3
Hydrostatic Transmission Tractors	3
CLUTCH-BRAKE PEDAL	3
IGNITION KEYS AND LOCK	3
SEAT AND TOOL COMPARTMENT	3
RAISING THE HOOD	4
SINGLE POINT IMPLEMENT HITCH	4
IMPLEMENT LIFT HANDLE	4
PARKING BRAKE	4
CHOKE LEVER	5
THROTTLE LEVER	5
AMMETER	5
LIGHT SWITCH	5
4-SPEED TRANSMISSION GEAR SHIFT LEVER	5
HYDROSTATIC TRANSMISSION CONTROL LEVER	5
HYDROSTATIC TRANSMISSION CONTROL KNOB	6
ELECTRIC CLUTCH CONTROL	6
TIRES	7
OPERATING INSTRUCTIONS	
OPERATING SAFETY INSTRUCTIONS	7
PREPARING TRACTOR FOR OPERATION	7
WEIGHT FOR ADDED TRACTION	8
STARTING AND STOPPING ENGINE	8
To Start Engine	8
Warm Weather Starting	8
Cold Weather Starting	8
To Stop The Engine	9
OPERATING 4-SPEED TRANSMISSION TRACTORS	9
Stopping the Tractor	9
OPERATING HYDROSTATIC TRANSMISSION TRACTORS	9
Stopping and Shuttling The Tractor	10
Parking the Tractor	10
Installing a Drive Belt	10
MAINTENANCE AND LUBRICATION	
DAILY INSPECTION	11
WEEKLY INSPECTION	11
HYDROSTATIC TRANSMISSION	12
ENGINE CRANKCASE OIL	12
LUBRICATING TRACTOR	12
LUBRICATING THROTTLE AND CHOKE CONTROL CABLES	14
SERVICING THE BATTERY	14
SPARK PLUG	14
TIRE MAINTENANCE	14
Wide Base Front Tire Inflation Pressures	15
Wide Base Rear Tire Inflation Pressures	15

ADJUSTMENTS	Page
FOOT REST ADJUSTMENT	15
ADJUSTING THE TRACTION DRIVE BELT AND CLUTCH-BRAKE ASSEMBLY	15
ADJUSTMENT OR REPLACEMENT OF STARTER-GENERATOR DRIVE BELT	16
STEERING WHEEL FREE-PLAY ADJUSTMENT	17
HYDROSTATIC TRANSMISSION CONTROL LEVER LINKAGE ADJUSTMENT	17
4-SPEED TRANSMISSION TRACTION DRIVE BELT REPLACEMENT	18
HYDROSTATIC TRANSMISSION TRACTION DRIVE BELT REPLACEMENT	18
CARBURETOR ADJUSTMENTS	19
GOVERNOR ADJUSTMENT	20
IGNITION TIMING	20
TROUBLE SHOOTING	21
 TRACTOR STORAGE	
STARTING THE ENGINE AFTER STORAGE	22
SAFETY TIPS	23
SPECIFICATIONS	26
 ASSEMBLY INSTRUCTIONS	
4-SPEED TRANSMISSION TRACTORS	27
HYDROSTATIC TRANSMISSION TRACTORS	27
REAR WHEELS	27
INSTALLING THE STEERING WHEEL	28
INSTALLING THE BATTERY	28
PRE-OPERATING INSPECTION	29
 SAFETY GUIDELINES FOR BATTERIES	29

GENERAL INFORMATION

POWER PLANT

Your tractor is powered by a single cylinder, 4-cycle engine that uses "regular" gasoline. **DO NOT MIX OIL WITH GASOLINE FOR THIS ENGINE!** Engine speed is controlled by means of a throttle lever conveniently mounted on the dash.

Study this manual carefully until you are familiar with the care, maintenance, operation, adjustment and repair of your tractor engine. Proper attention will assure maximum service life of the engine and highest operating efficiency.

DRIVE TRAIN

• 4-Speed Transmission Tractors

Engine power is transmitted to the rear wheels through a drive belt and "TRANSAXLE" located on the rear axle. This is a single, oil-tight assembly which combines the functions of an automotive-type transmission and differential. It provides four speeds forward and one speed in reverse.

• Hydrostatic Transmission Tractors

Power from the engine is transmitted to the rear wheels through a drive belt, hydrostatic transmission and differential. The hydrostatic transmission has no gears, and it provides an infinite selection of speeds with constant power to the rear wheels.

The transmission is coupled to an automotive-type differential that allows the tractor to be maneuvered without unnecessary wear to the rear tires.

CLUTCH-BRAKE PEDAL

The clutch and brake are operated by one foot pedal, conveniently located above the left foot rest, as shown in Figure 1.

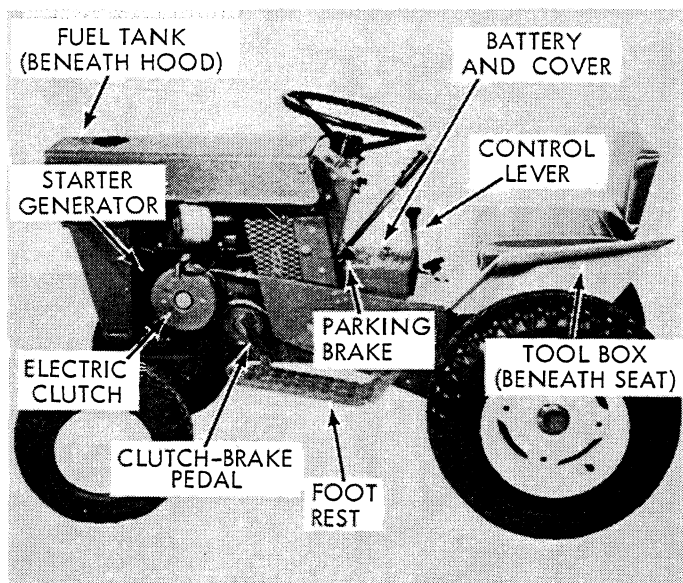


Figure 1.

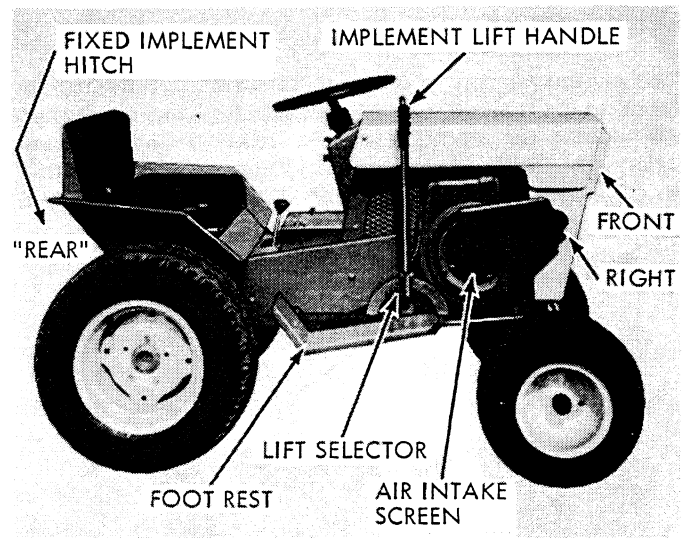


Figure 2.

When the clutch-brake pedal is pushed down, the clutch is disengaged and the brakes are applied to stop tractor motion.

IGNITION KEYS AND LOCK (See Fig. 8)

Two ignition keys are supplied with each tractor, taped to the ignition switch at time of delivery. To turn ignition "ON" insert key in switch and turn clockwise. This automotive type switch is a combination ignition and starter switch. Ignition keys should be removed when the tractor is not in use to prevent unauthorized operation.

SEAT AND TOOL COMPARTMENT

The seat hinges forward as shown in Figure 3, to provide access to the tool compartment.

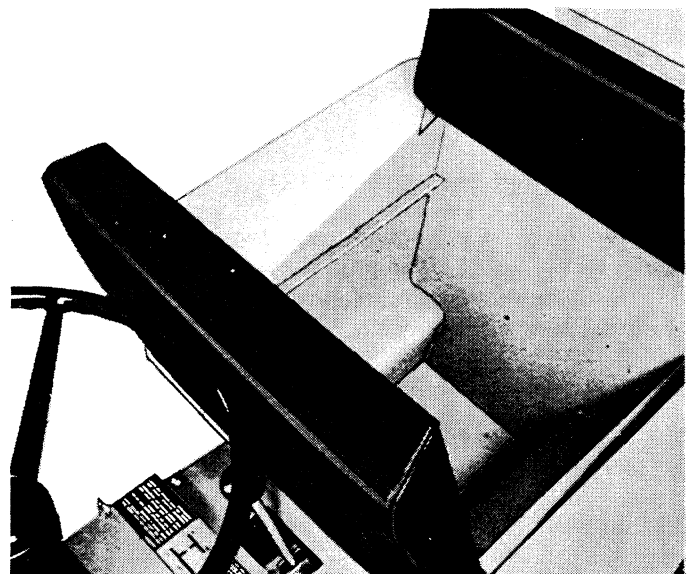


Figure 3.

RAISING THE HOOD

The engine hood is pivoted at the rear, permitting the front to be raised for filling the fuel tank, checking crankcase oil level, etc. To raise front of hood, grasp the sides as shown in Figure 4 and pull outward sufficiently to release the J-shaped locking brackets illustrated in Figure 5.

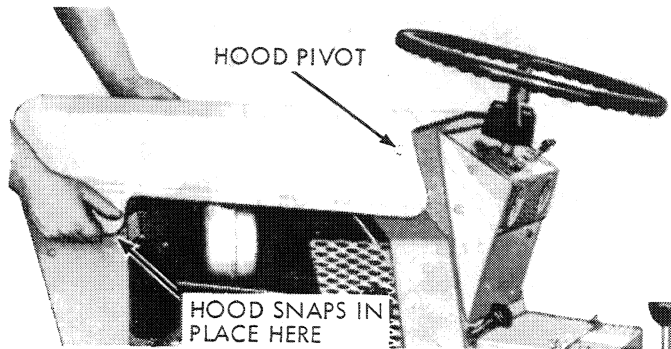


Figure 4.

Lift the front of the hood as shown in Figure 5, and lock it in position by pushing the hood support rod up into the notch in the hood latch bracket. Lower the hood as follows: Raise it slightly and disengage the hood supporting rod. Lower the hood and snap the locking brackets into place.

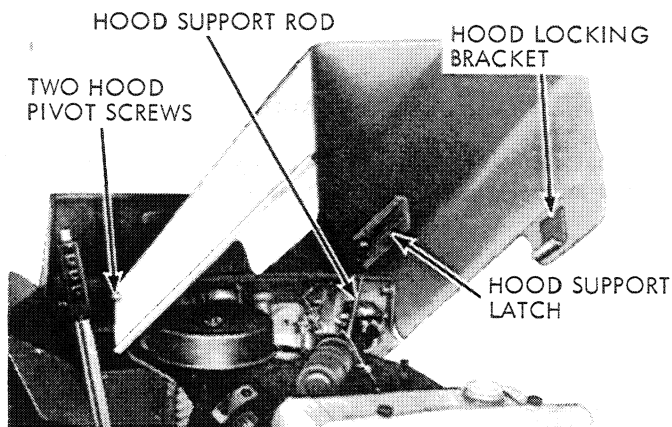


Figure 5.

SINGLE POINT IMPLEMENT HITCH

A fixed hitch, the approximate location of which is shown in Figure 2, is supplied as standard equipment for the towing of implements. An accessory tool lift hitch is available at extra cost.

IMPLEMENT LIFT HANDLE (See Figs. 2 & 6)

The implement lift handle, Figure 2, is used to raise and lower implements used with the tractor.

The implement lift handle can be locked in one of five positions or placed in the float position. The forward movement of the handle is controlled by a two position stop on the quadrant so that it can be easily reached from the operator's position. As a safety feature,

the implement lift handle will lock in the quadrant if the handle moves back past the float range preventing it from "SNAPPING" back towards the operator.

NOTE

When using a rear mounted implement requiring use of the lift lever, i.e. tiller, rear plow, disc harrow, etc., the implement lift handle stop must be removed.

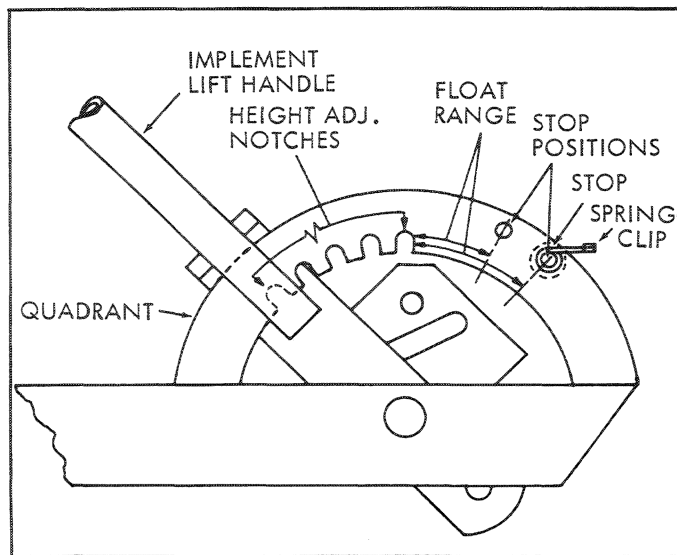


Figure 6.

PARKING BRAKE

A parking brake (See Fig. 7A) is provided to hold the tractor whether the engine is running or stopped. To set the brake, fully depress the clutch brake pedal and pull upward on the brake handle to engage the saw teeth in the parking brake arm with the brake locking bar as shown in Figure 7B. The parking brake is released by fully depressing the clutch brake pedal.

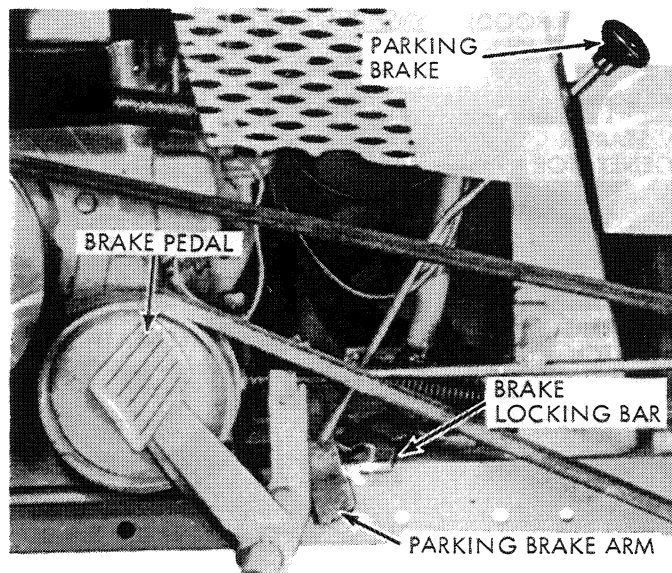


Figure 7A.

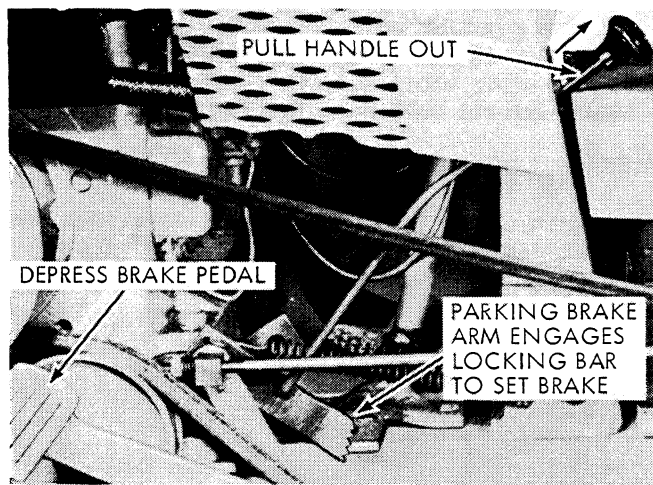


Figure 7B.

CHOKER LEVER

The choke lever is located on the left side of the instrument panel as shown in Figure 8.

When starting a cold engine, push the lever forward to close the choke. After the engine starts, pull the choke lever about halfway back to partially open the choke. Pull the lever all the way back to fully open the choke for normal operation after the engine is properly warmed. A warm engine usually requires less choke to start. Detailed instructions are given on Page 8 under "Starting and Stopping Engine."

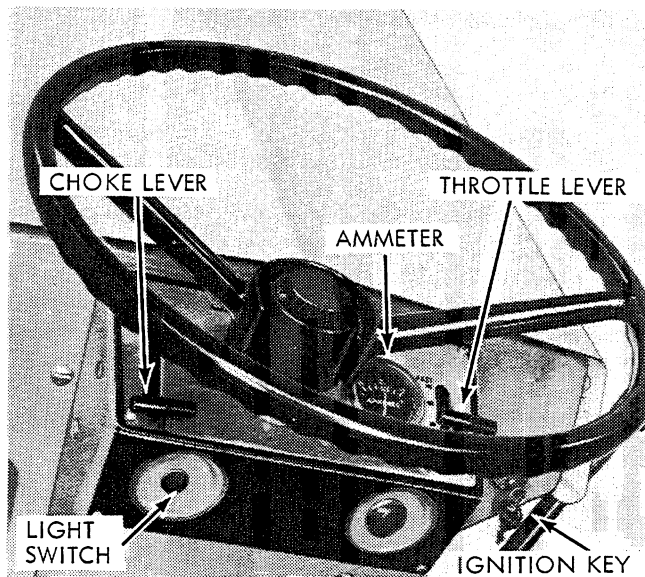


Figure 8.

THROTTLE LEVER

The throttle lever is located on the right side of the instrument panel as shown in Figure 8. It controls the flow rate of fuel to the engine and thus regulates engine speed. The lever is moved forward to increase engine speed and is pulled back to decrease it.

AMMETER

The ammeter is located immediately to the right of the steering wheel (See Fig. 8). It indicates the rate of battery charge or discharge. When possible, maintain sufficient engine speed so the ammeter indicates a charging rate to prevent unnecessary drain on the battery.

LIGHT SWITCH (See Fig. 8)

If tractor is equipped with headlights and a taillight, a switch will be installed in lower left corner of instrument panel. Pull knob out to turn lights on.

4-SPEED TRANSMISSION GEAR SHIFT LEVER

The gear shift lever is shown in Figure 9. A plate showing a diagram of gear shift positions is attached to the top of the battery cover. The tractor is equipped with a low gear shift lock as shown in Figure 9. Keep shift lock in position "A" for normal operation where low gear is not needed. The shift lock in this position provides easy shifting into second gear and acts as a guide to prevent over running into low speed range. Move the shift lock to position "B" when low gear is needed such as in plowing, tilling, etc. Return the shift lock to position "A" when normal operation is resumed. Detailed instructions of gear selection and method of shifting is given under "Operating Instructions".

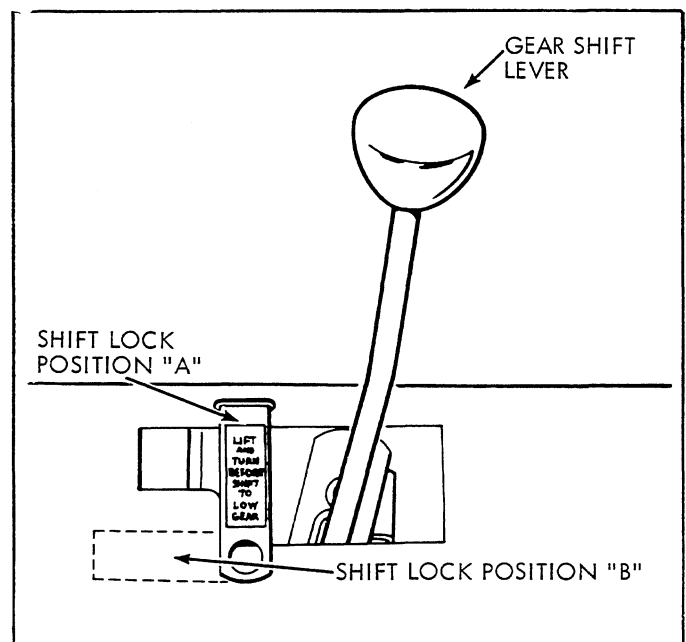


Figure 9.

HYDROSTATIC TRANSMISSION CONTROL LEVER

The direction and speed of the tractor is determined by the position of the control lever as shown in Figure 10. The control lever has three positions: reverse, neutral and forward. Before starting the engine and operating the tractor, familiarize yourself with the operation of the lever.

Neutral - The control lever is locked when it is in the neutral position to prevent it from being accidentally moved. Depressing the knob, attached to the top of the lever unlocks the lever, allowing it to be moved out of neutral. Once the lever is moved out of neutral, the knob will remain depressed until the lever is returned to neutral; then the knob will "snap" up automatically locking the lever in position.

Forward - From the neutral position, depress knob and slowly move the control lever forward to drive the tractor ahead. By continuing to move the lever forward, you increase the speed of the tractor. Moving the lever rearward towards neutral, decreases the speed of the tractor.

Reverse - Starting from the neutral position, depress knob and slowly move the control lever rearward to drive the tractor in reverse.

By continuing to move the lever rearward, you increase the reverse speed of the tractor. Moving the lever forward towards neutral decreases the reverse speed of the tractor.

HYDROSTATIC TRANSMISSION CONTROL KNOB

To move the tractor without the engine operating, the hydro gear control knob, located to the rear of the control lever as shown in Figure 10, must be in the "No Drive" position. The "No Drive" position is when the knob is turned counterclockwise until it stops. After moving the tractor, turn the knob to the "Drive" position, clockwise until it stops.

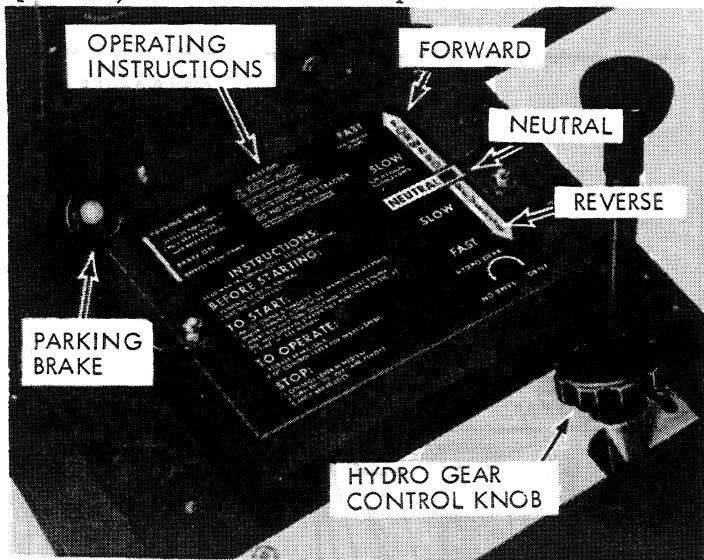


Figure 10.



The hydro gear control knob must be turned fully to the "Drive" position before operating the tractor and kept in, EXCEPT when moving the tractor without the engine operating.

NOTE

The hydrostatic tractor cannot be towed or pushed to start the engine. Towing behind any car, truck, tractor, etc. at any speed or

distance would be detrimental to the transmission. The tractor may be pushed at walking speed over short distances when the hydro-gear control knob is in "NO DRIVE" position.

ELECTRIC CLUTCH CONTROL

The electric clutch is located on the left side of the tractor as shown in Illus. 1. It is a disc type clutch and engages or disengages power to the power drive pulley.

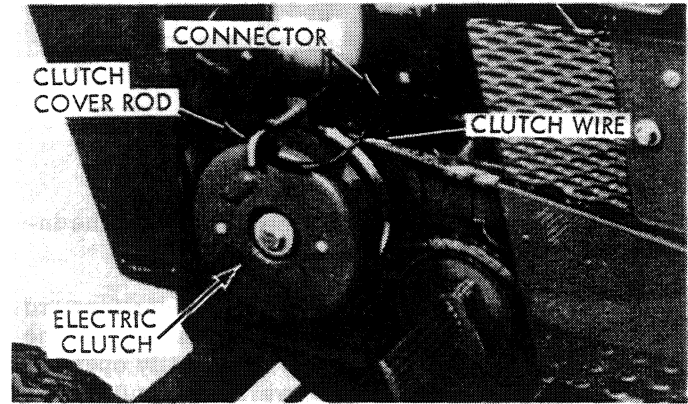


Illustration 1.

The clutch control switch is located on the left side of the rear panel as shown in Illus. 2.

NOTE

The ignition switch has to be turned on in order to operate the electric clutch.

To operate implements (such as a rotary lawn mower) pull the switch knob (See Illus. 2) out to engage the clutch. With knob in the "out" position, the pilot light should be lit. Push the knob in fully to disengage the clutch. The pilot light should not be lit when switch is in this position.

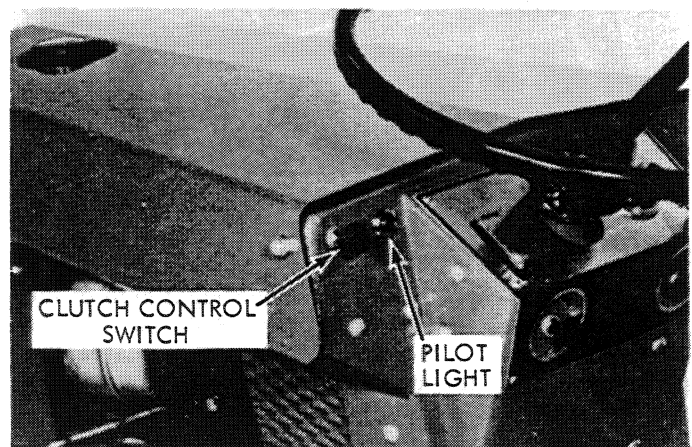


Illustration 2.

When no power-driven implement is mounted to the tractor it is best to keep the switch knob in the "in" position. This will avoid slight but unnecessary wear on clutch components.

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