

317 Hydrostatic Tractor



TECHNICAL MANUAL

317 Hydrostatic Tractor

TM1208 (01OCT81) English

John Deere
Lawn & Grounds Care Division
TM1208 (01OCT81)

LITHO IN U.S.A.
ENGLISH



INTRODUCTION

This technical manual contains service and maintenance information for the John Deere 317 Hydrostatic Tractor.

The manual is divided into sections. Each section pertains to a certain component or operational system of the tractor. The information is divided into groups within each section.

All sections of this technical manual should be carefully studied by the service technician. Much basic information such as the principles of 4-cycle engine operation, carburetion and ignition have been omitted. Such information can be found in any good library and is recommended reading for the new service technician before consulting this manual for service procedures.

Emphasis is placed on diagnosing malfunctions, analysis and testing. Diagnosing malfunctions lists possible troubles, their causes and how to correct them. Under specific components these troubles are analyzed to help the service technician understand what is causing the problem so it can be corrected rather than just replace parts and have the same problem keep recurring.

Specifications are found at the end of each Section for easy reference.



This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

Metric equivalents have been included, where applicable, throughout this technical manual.

Vertical lines appear in the margins of many of the pages. These lines identify new material and revised information that affects specifications, procedures, and other important instructions.

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

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JOHN DEERE 317 HYDROSTATIC TRACTOR

Technical Manual
TM-1208 (Oct-81)

TABLE OF CONTENTS

SECTION 10 - GENERAL

- Group 5 - Tractor Identification
- Group 7 - Tractor and Engine Change Identification
- Group 10 - Specifications
- Group 15 - Fuel and Lubricants
- Group 20 - Tune-up and Adjustments

SECTION 20 - ENGINE - SER. NO.

(11,025,872)

- Group 5 - General Information
- Group 10 - Cylinder Heads, Valves and Breather
- Group 15 - Engine Removal and Installation
- Group 20 - Internal Components
- Group 25 - Specifications

SECTION 22 - ENGINE - SER. NO.

(11,025,873-)

- Group 5 - General Information
- Group 10 - Cylinder Heads, Valves and Breather
- Group 15 - Engine Removal and Installation
- Group 20 - Internal Components
- Group 25 - Specifications

SECTION 30 - FUEL SYSTEM

- Group 5 - General Information
- Group 10 - Carburetor - Engine Serial No. (11,053,429)
- Group 12 - Carburetor - Engine Serial No. (11,053,430-)
- Group 15 - Governor
- Group 20 - Fuel Tank
- Group 25 - Fuel Pump
- Group 30 - Air Cleaner - Engine Serial No. (11,025,872)
- Group 32 - Air Cleaner - Engine Serial No. (11,025,873-11,053,429)
- Group 34 - Air Cleaner - Engine Serial No. (11,053,430-)
- Group 35 - Specifications

SECTION 40 - ELECTRICAL SYSTEM

- Group 5 - General Information
- Group 10 - Cranking System
- Group 15 - Ignition System
- Group 20 - Charging System
- Group 25 - Lights
- Group 30 - PTO Clutch

SECTION 50 - POWER TRAIN

- Group 5 - General Information
- Group 10 - Brakes
- Group 15 - Hydrostatic Transmission
- Group 20 - Hydrostatic Control Linkage
- Group 25 - Differential and Axle

SECTION 60 - HYDRAULIC SYSTEM

- Group 5 - General Information
- Group 10 - Hydraulic Circuit
- Group 15 - Hydraulic Control Valve
- Group 17 - Flow Diverter Valve
- Group 20 - Hydraulic Cylinder

SECTION 70 - MISCELLANEOUS

- Group 5 - Steering Linkage
- Group 10 - Front Wheels and Axles

SECTION 80 - SPECIAL SERVICE TOOLS

- Group 5 - Engine Essential Service Tools
- Group 10 - Engine Convenience Service Tools
- Group 15 - Tractor Convenience Service Tools

SECTION 90 - TRACTOR ATTACHMENTS

- Group 5 - 49 Snow Thrower
- Group 10 - 41 and 48 Rotary Mowers
- Group 15 - 33 Rotary Tiller
- Group 20 - 542 PTO Attachment

(All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice).

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1208/317INA/080781

Section 10 GENERAL

TABLE OF CONTENTS

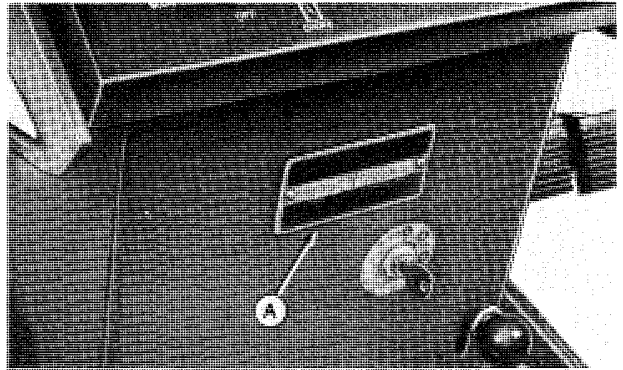
	Page		Page
GROUP 05 - TRACTOR IDENTIFICATION		GROUP 15 - FUELS AND LUBRICANTS	
Tractor Serial Number	5-01	Fuel	15-01
Engine Serial Number	5-01	Choose Proper Engine Oil	15-02
Transmission Serial Number	5-01	Choose Proper Hydraulic Oil	15-02
		Choose Proper Grease	15-03
GROUP 07 - TRACTOR AND ENGINE		Capacities	15-03
CHANGE IDENTIFICATION		Service Intervals	15-04
General	7-01	Check Transmission Fluid Level	15-04
Tractor Serial No. (. -156,000)	7-01	Change Transmission Fluid and Filter	15-05
Tractor Serial No. (156,001-160,062)	7-04	Check Engine Oil Level	15-05
Tractor Serial No. (160,063-)	7-05	Change Engine Oil	15-06
		Lubricate Linkage	15-07
GROUP 10 - SPECIFICATIONS		GROUP 20 - TUNE-UP AND ADJUSTMENTS	
Tractor Specifications	10-01	General	20-01
Bolt Torque Chart	10-02	Engine Tune-up	20-01
Set Screw Seating Torque Chart	10-02	Tractor Adjustment	20-02

Table of Contents

Group 05 TRACTOR IDENTIFICATION

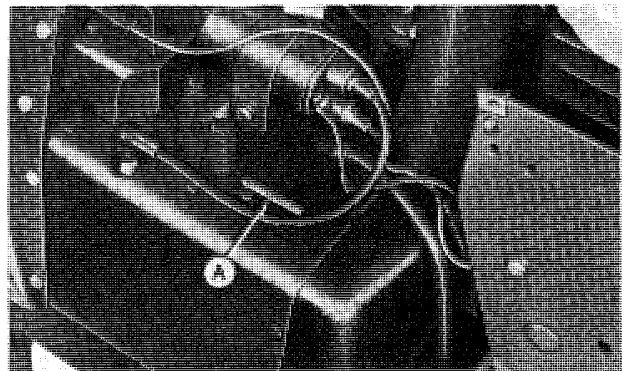
TRACTOR SERIAL NUMBER

The tractor serial number plate (A) is located on the pedestal just above the key switch.



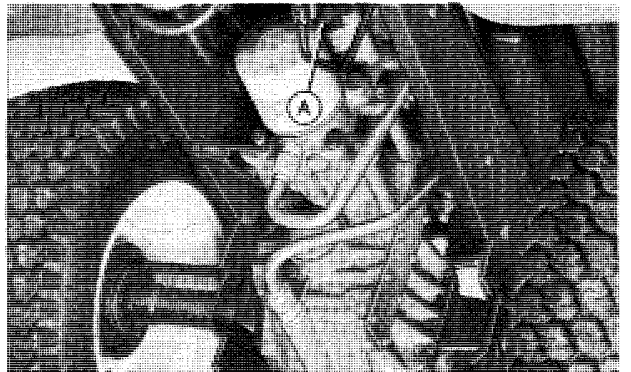
ENGINE SERIAL NUMBER

The engine serial number plate (A) is located on top of the blower housing.



TRANSMISSION SERIAL NUMBER

The transmission serial number (A) is located above the oil filter on the front of the transmission.



Tractor Identification

Group 07 CHANGE IDENTIFICATION

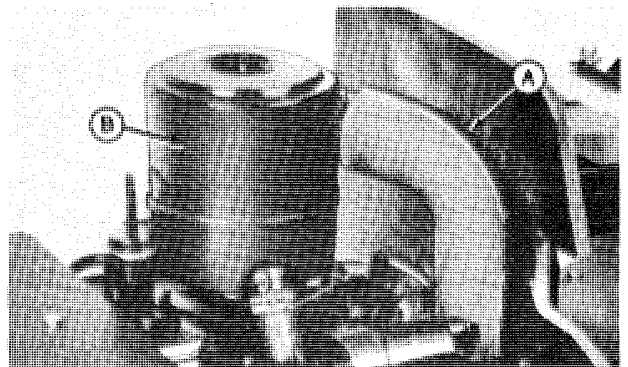
GENERAL

The material in this group will aid in identifying the machine by serial number. This information will assist in using the proper Section or Group when performing service on the machine. Tractor Serial Numbers (-156,000) are identified by Engine Serial Number.

1208/1007A/080781

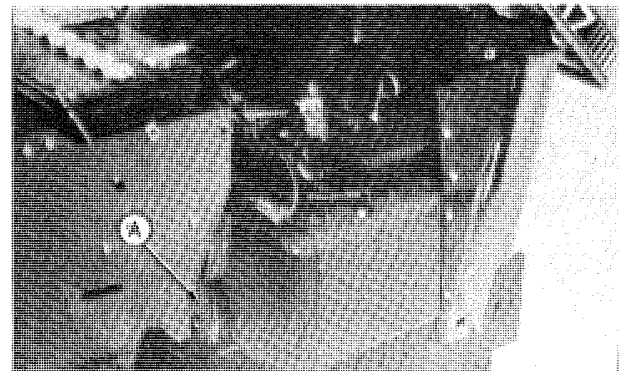
TRACTOR SERIAL NO. (-156,000)
ENGINE SERIAL NO. (-10,135,763)

1. Engines in this Serial No. range can be identified by use of an air intake hose (A) on air canister (B).



M29028/1208/1007B/080781

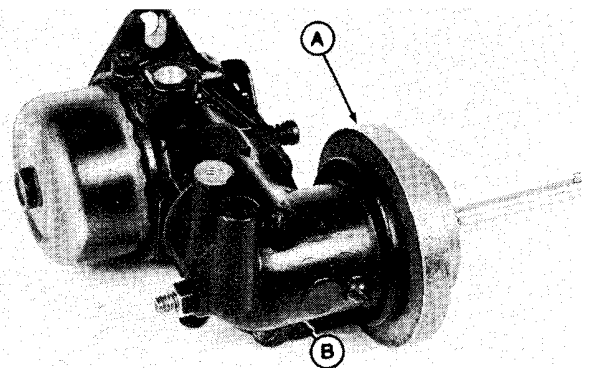
2. Engines in this serial no. range used a flywheel screen (A).



M29029/1208/1007C/080781

3. Some engines in this Serial No. range may have been modified to include a carburetor adapter (A) mounted on elbow (B).

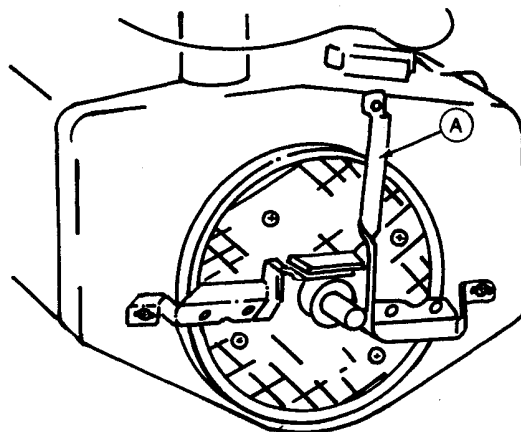
NOTE: Some adapters are a permanent part of elbow (B) while other adapters are loose with a gasket between adapter (A) and elbow (B).



M28831/1208/1007D/080781

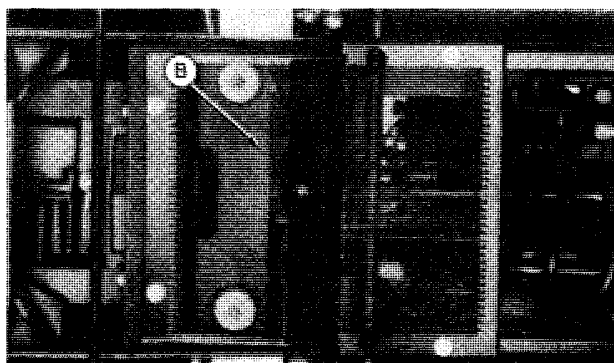
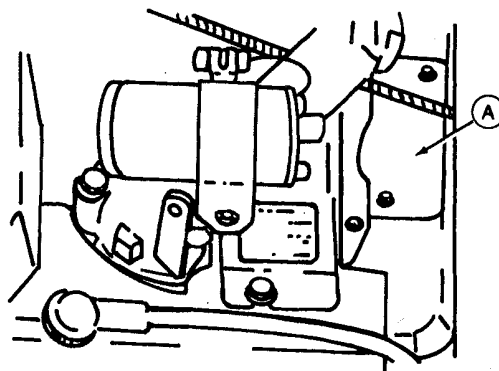
Change Identification

4. Some engines in this Serial No. range may have been modified to include a flywheel scraper (A).



M29030/1208/1007E/080781

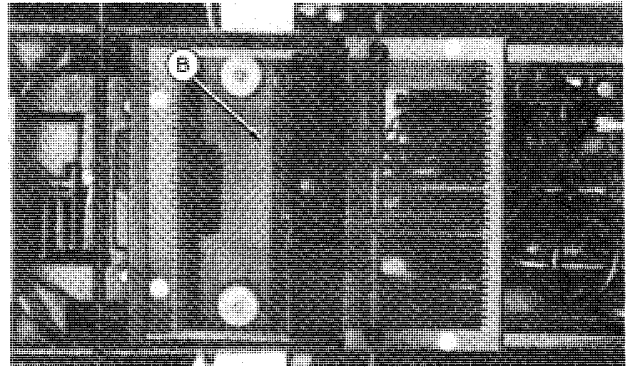
5. Because the flywheel screen and scraper are no longer available, some engines in this Serial No. range may have had the flywheel screen, flywheel scraper and air intake hose removed. In this case the engine can be identified by the use of engine shroud cover (A) where the air intake hose went into the engine shroud. The tractor then uses bottom screen (B) to replace the flywheel screen.



M29031/M29032/1208/1007F/080781

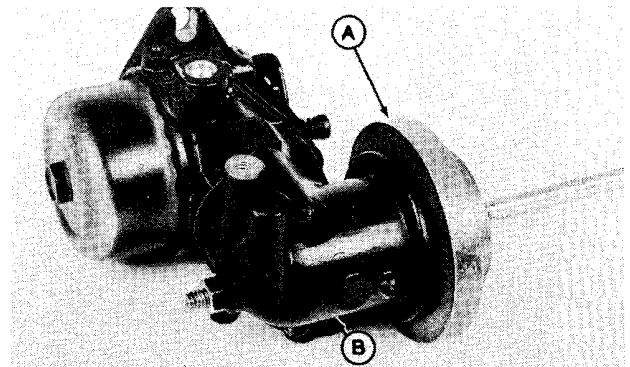
**TRACTOR SERIAL NO. (-156,000)
ENGINE SERIAL NO. (10,135,763-11,052,801)**

1. Engines in this Serial No. range are replacement engines. They use bottom screen (B).



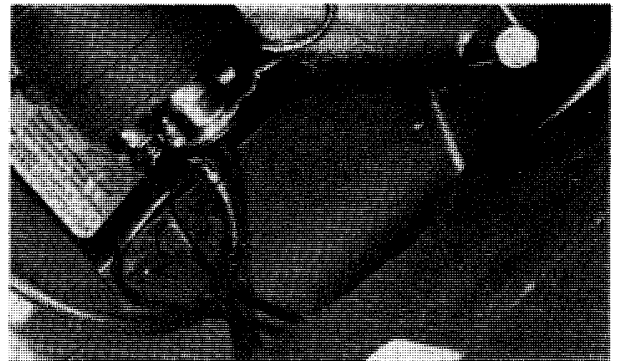
M29032/1208/1007G/080781

2. Engines in this Serial No. range used carburetor adapter (A) permanently fixed to elbow (B).



M28831/1208/1007H/080781

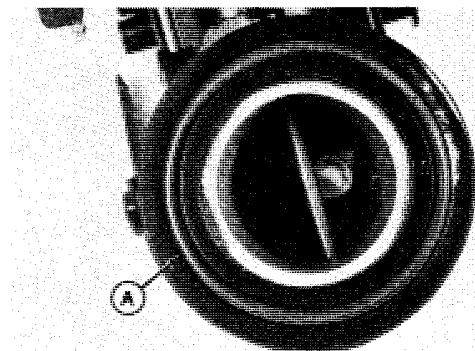
3. Engines in this Serial No. range can be further identified by the lack of a hole in the engine shroud where the air intake hose used to go.



M29033/1208/1007I/080781

**TRACTOR SERIAL NO. (-156,000)
ENGINE SERIAL NO. (11,052,802-)**

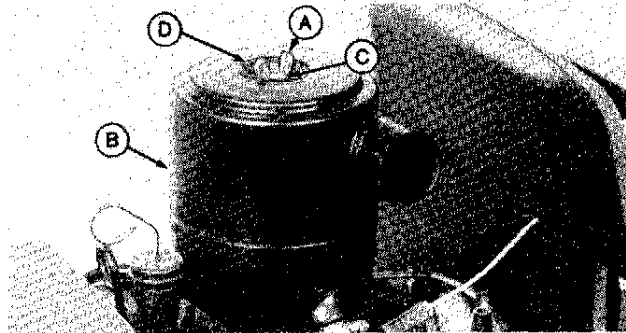
1. These engines can be identified by the use of O-ring (A) in carburetor elbow. This elbow is a one piece adapter and elbow.



M28845/1208/1007J/080781

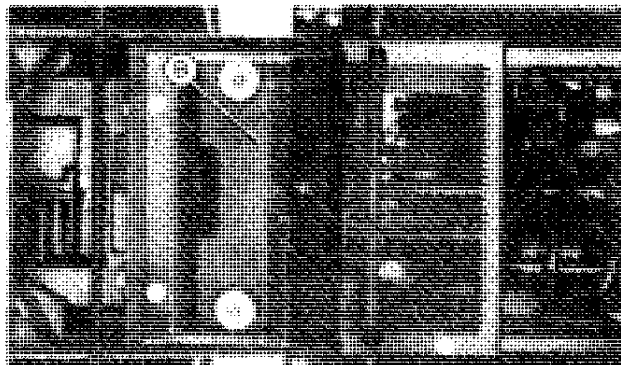
Change Identification

2. The air cleaner assembly (B) uses wing nut (A) washer (C) and sealing washer (D).



M28749/1208/1007K/080781

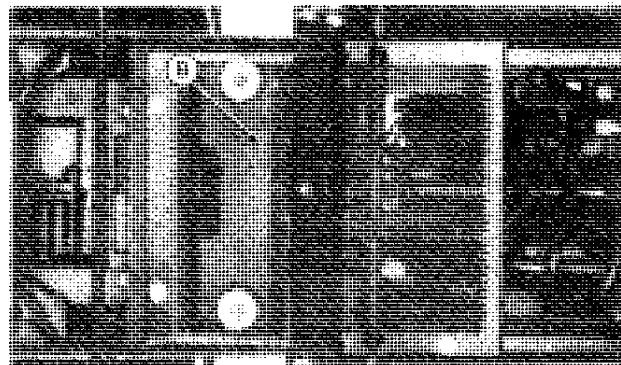
3. The tractor is equipped with bottom screen (B).



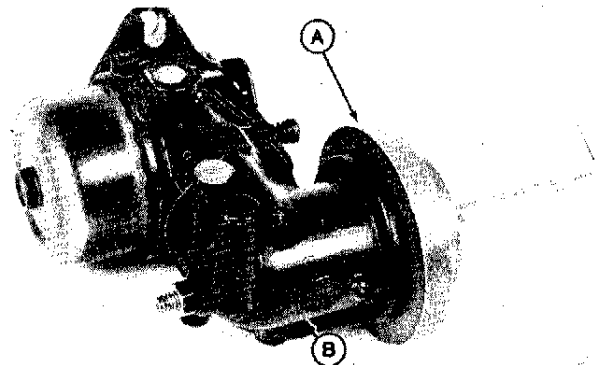
姓名: 王明 性别: 男 年龄: 35 身份证号: 110101198001010001 手机号: 13800138001
 姓名: 李华 性别: 女 年龄: 28 身份证号: 110101198202020002 手机号: 13900139001

TRACTOR SERIAL NO. (156,001-160,062)

1. Tractors in this Serial No. range use bottom screen (B).

[illegible]

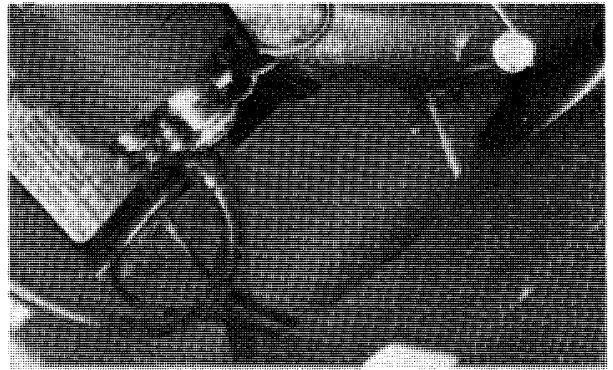
2. The carburetors used adapter (A) permanently fixed to elbow (B).



M28831/1208/1007N/080781

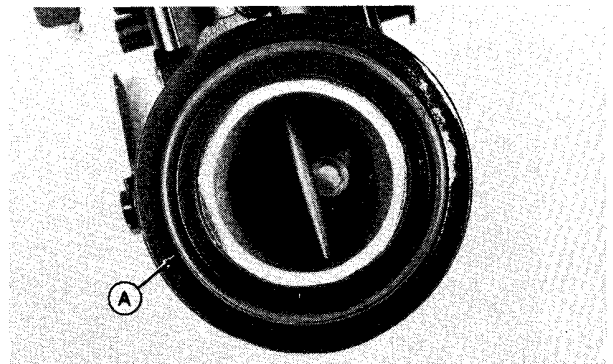
Change Identification

3. The engine shroud does not have a hole in it where the air intake hose used to go.

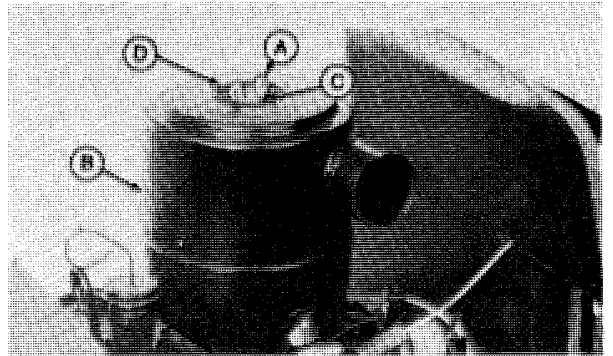


TRACTOR SERIAL NO. (160,063-)

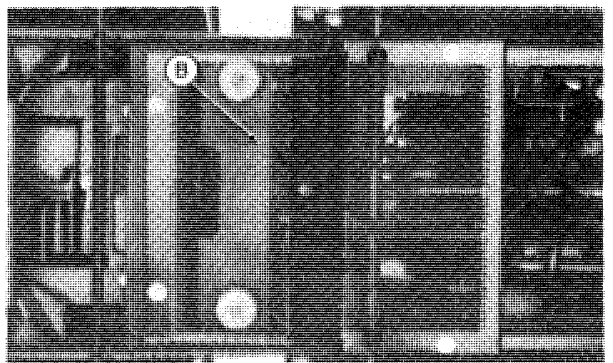
1. Tractors in this Serial No. range use O-ring (A) in carburetor elbow. The elbow is a one piece adapter and elbow.



2. Air cleaner assembly (B) uses wing nut (A), washer (C) and sealing washer (D).



3. The tractor is equipped with bottom screen (B).



Change Identification

SERVICE INTERVALS

Crankcase (Oil Change)

Break-in. After first 5 hours

Regular Every 25 hours

Dusty Conditions Every 8 hours

Transmission

Oil Change 500 hours or 2 years

Oil Filter Change 100 hours

NOTE: Oil filter is positioned under transmission. Fill new filter with oil prior to installing it to prevent an air lock in the system.

Tractor Grease Fittings Every 25 hours

120B/1015F/090781

CHECK TRANSMISSION FLUID LEVEL

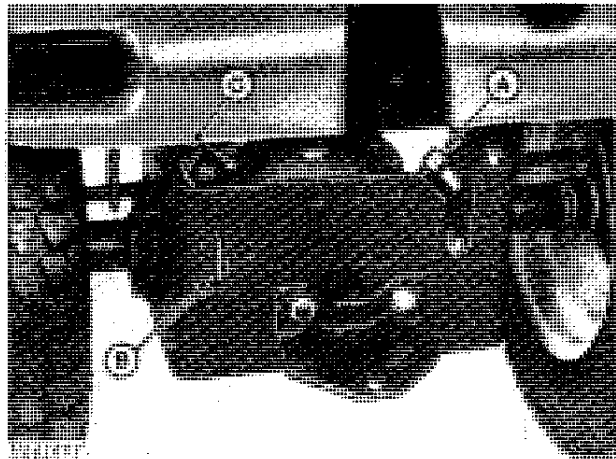
NOTE: DO NOT run tractor engine when checking or adding fluid.

Fluid level in sight tube (B) should be 1/4 to 1-1/4-inches (5 to 30 mm) above bottom of slot in frame when tractor engine is stopped.

IMPORTANT: The 1/16-inch diameter hole in outside wall of accumulator-vent (C) must be positioned at an upward angle to prevent fluid leakage and insure proper venting.

If fluid level is low, remove fill tube cap (A) and add necessary amount of fluid until it is 1/4 to 1-1/4 inches (5 to 30 mm) above bottom of slot in frame.

IMPORTANT: Do not overfill.



M24166/120B/1015C/090781

FUEL



CAUTION: Do not fill gas tank when engine is running or hot. Do not smoke when filling gas tank.

Wipe dust and dirt from around filler cap (A) before removing it. Place cap in a clean area.

IMPORTANT: Do not permit dirt or other foreign matter to enter the fuel system. This may cause hard starting, poor performance and engine damage. Always use clean gasoline storage cans and funnels.

Fill the gas tank with fresh, clean "regular" grade gasoline. We recommend non-leaded gasoline because it reduces cylinder head deposits. Low-lead or leaded "regular" grades are acceptable.

DO NOT use premium, ethyl or white gasoline.

The use of gasohol is not recommended.

Never use special additives such as carburetor cleaners, de-icers, or moisture-removing liquids in your gasoline.

IMPORTANT: Do not mix oil with gasoline.



M29356/1015A/090781