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MANUAL PREVIEW

Galion

Operator's Manual

201 Grader

Gas & Diesel

Operator's Manual

JENSALES.COM

or Call 800-443-0625

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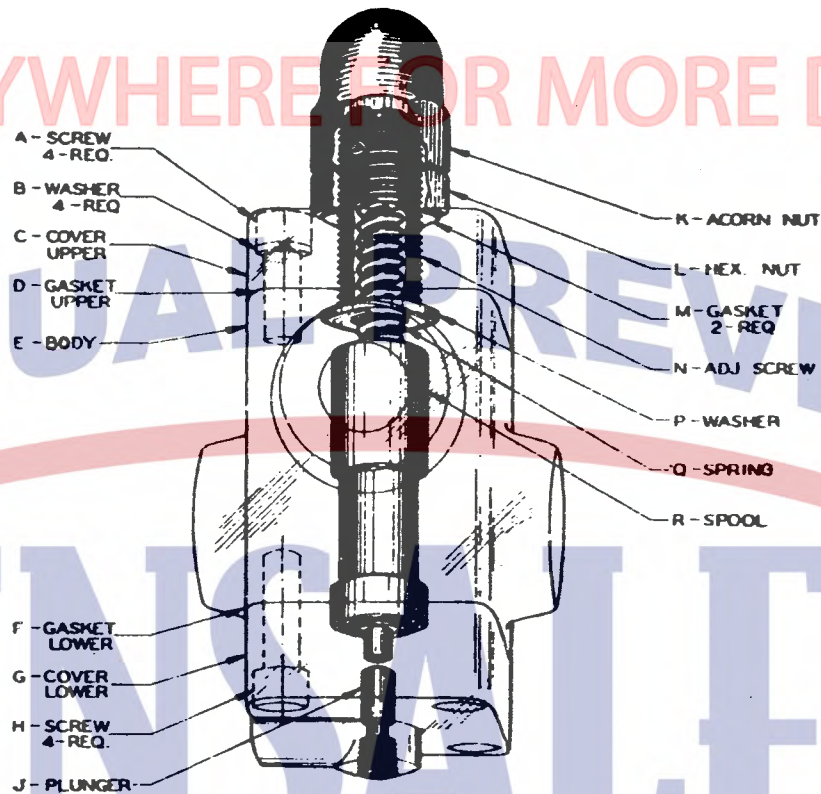
GA-O-201 GRADER

INDEX

INSTRUCTIONS FOR CARE AND OPERATION OF GRADER AND GREASING INSTRUCTIONS

Air Pump.....	7
Bank Cutting Adjustment.....	8
Batteries.....	6
Checking Hydraulic System.....	3
Circle.....	7
Clutch - Diesel Engine.....	6
Clutch - Oliver No. 35 Gas.....	7
Clutch Pilot Bearing - Diesel Engine.....	7
Clutch Pilot Bearing - Oliver No. 35 Gas.....	7
Clutch Release Bearing.....	7
Engine Air Cleaner - Diesel Engine.....	6
Engine Air Cleaner - Oliver No. 35 Gas.....	6
Engine Crankcase.....	5
Engine Oil Filter - Diesel Engine.....	5
Engine Oil Filter - Oliver No. 35 Gas.....	6
Front Tires.....	7
Fuel Injection Pump - Diesel Engine.....	5
Fuel Oil - Diesel Engine.....	5
Gasoline.....	5
Gear Shift Lever.....	5
Generator.....	8
Hydraulic Oil.....	2
Hydraulic Steering.....	4
Hydraulic System.....	2
Oil Pressure.....	4
Operating Levers.....	4
Over Drive Gear Shift Lever.....	5
Parking Brake.....	6
Radiator.....	6
Rear Tires.....	7
Reference Drawing.....	3
Relief Valve.....	2
Removing Air from Lines.....	4
Scarifier.....	8
Service Brake - Hydraulic.....	6
Starting - Diesel Engine.....	4
Starting - Oliver No. 35 Gas.....	5
Tandem Drive.....	7
Throttle - Diesel Engine.....	5
Throttle - Oliver No. 35 Gas.....	5
Transfer Drive.....	6
Transmission.....	6
Zerk Grease Fittings.....	7

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In case this release valve fails to operate, proceed as follows:

Remove the parts K, L, M, N, P and Q, this will allow you to touch the spool "R" with your little finger, and move the spool "R" up or down and turn around some. In most cases this will correct the valve trouble.

In extreme cases when the above will not correct the trouble it will be necessary to remove all of the above parts, also the cover "C" which will allow the spool to be taken out, wipe the parts clean and replace.

Engine must not be running when the above trouble is being corrected.

In case the valve is completely disassembled be sure the small hole in body, and the small hole in cover match up when reassembling.

CHECKING TROUBLE IF CONTROLS FAIL TO OPERATE

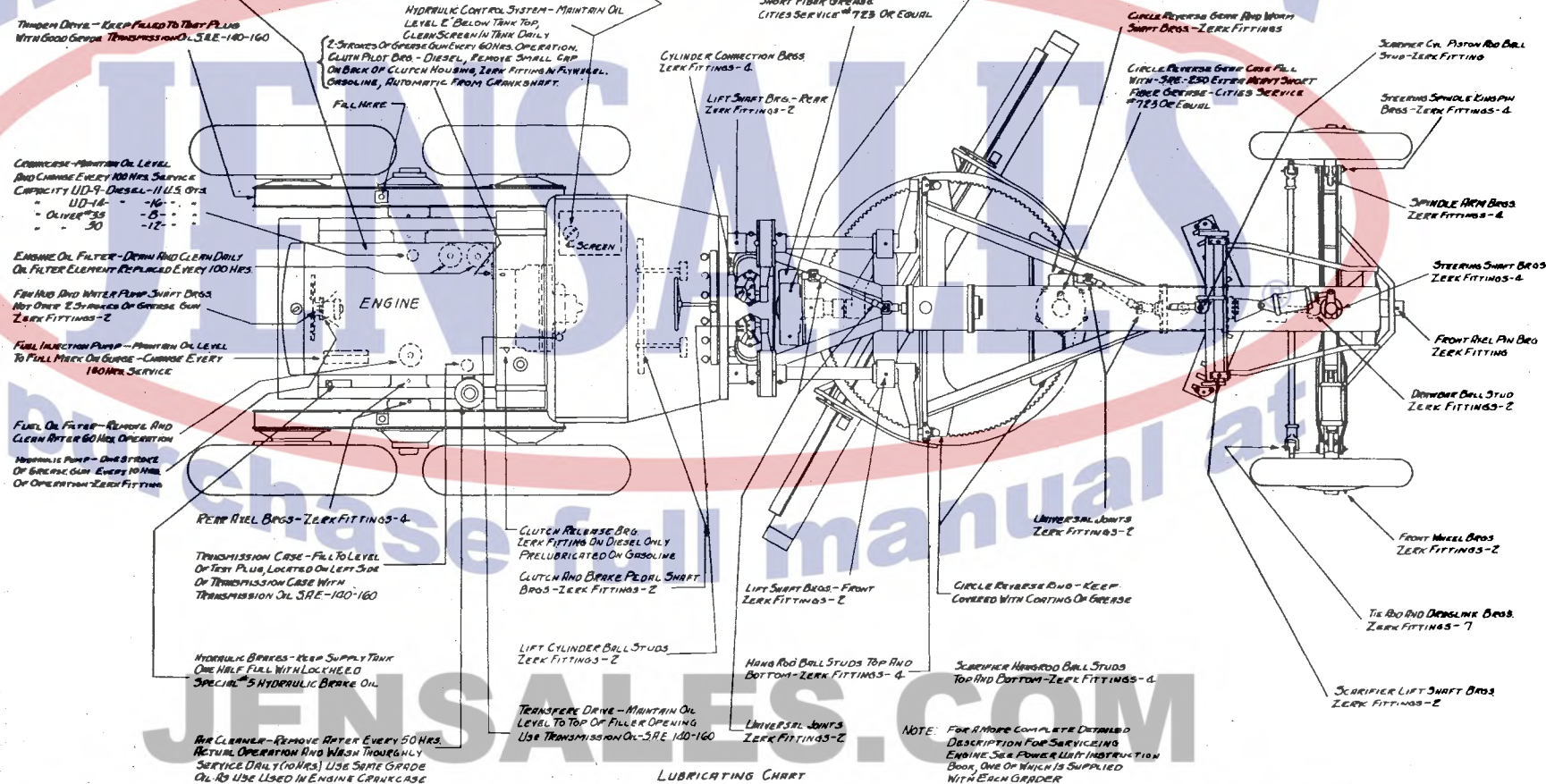
Check hydraulic oil supply tank to see if the oil level is up to within two inches from top of tank. Remove Oil Filter

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S.R.E. NUMBERS OR VISCOSITY OF LUBRICATING OILS RECOMMENDED

SEASON	ENGINE CRANKCASE	RIE CLEANER	FUEL INJECTION PUMP	MAGNETO	IMPULSE COUPLING
SUMMER ABOVE 60°F	S.R.E.-30 OR S.R.E.-30	S.R.E.-30 OR S.R.E.-30	S.R.E.-30 OR S.R.E.-30	S.R.E.-30 OR S.R.E.-30	SAME AS ABOVE
SPRING & FALL 60°F TO 85°F	S.R.E.-30	S.R.E.-30	S.R.E.-30	S.R.E.-30	SAME AS ABOVE
WINTER (A) 35°F TO 60°F	S.R.E.-30	S.R.E.-30	S.R.E.-30	S.R.E.-30	SAME AS ABOVE
WINTER (B) 35°F TO 60°F	S.R.E.-20W OR S.R.E.-20W	S.R.E.-20W OR S.R.E.-20W	S.R.E.-20W OR S.R.E.-20W	S.R.E.-20W OR S.R.E.-20W	SAME AS ABOVE
WINTER (C) 10°F TO 35°F	S.R.E.-10W OR S.R.E.-10W	S.R.E.-10W OR S.R.E.-10W	S.R.E.-10W OR S.R.E.-10W	S.R.E.-10W OR S.R.E.-10W	KEROSENE

USE S.R.E.-20 IN SUMMER AND S.R.E. 10W IN WINTER
PREPARE HYDRAULIC OIL WITH A
VISCOSITY OF 205 AT 100° & 4.8 AT 210°



LUBRICATING CHART
101 & 201 MOTOR GRADERS

or Call 800-443-0625

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ENGINE OIL FILTER - Gasoline

Type H-W No. 1450 oil filter. Drain and clean daily. See engine instruction book for further information.

ENGINE AIR CLEANER - Diesel

It is important to remove the engine air cleaner every 50 hours of actual operation and wash thoroughly. See engine instruction book for detailed information.

ENGINE AIR CLEANER - Gasoline

This is a Donaldson oil washed type air cleaner. It is important to remove air cleaner every 50 hours of operation and wash it thoroughly. See engine instruction book for further information.

RADIATOR

Fill the radiator with clean water (soft if available) to the level one inch above baffle plate inside filler hole. Keep filled to this level. Do not pour cold water into an empty system when engine is hot.

BATTERIES

Batteries are located under seat on the right hand side. Inspect regularly and keep filled to proper level with distilled water. Keep batteries clean.

PARKING BRAKE

Hand brake lever in cab. Brake drum located in transmission case. Adjustments are made at brake band and brake connecting rod.

SERVICE BRAKE

Lockheed hydraulic brakes located on rear wheels. For best results follow instruction book "General Service Instructions and Maintenance Hints" as furnished by Wagner Electric Corporation.

TRANSMISSION

Fill Transmission Case to level of test plug located on left hand side of transmission case. Use a good grade of transmission oil SAE 140/160.

TRANSFER DRIVE

This is the enclosed drive from engine down to transmission. Maintain oil level to top of filler opening. Fill plug located on front right hand side of transfer gear case. Use transmission oil SAE 140/160.

CLUTCH - Diesel

This is a 12" diameter single plate spring loaded International clutch. Adjustment of 3/16" must be maintained between

clutch fingers and clutch throwout bearing. See engine instruction book for further information.

CLUTCH - Gasoline

This is a 12" diameter single plate spring loaded Borg and Beck clutch adjustment is made by loosening (6) clamps at face of flywheel then turning clutch cover clockwise until clutch wear is taken out. See engine instruction book for further information.

CLUTCH RELEASE BEARING

Grease through clutch release shaft Zerk fitting, located on right hand side of clutch housing. Grease daily, preferably when engine is not running on Diesel only. Prelubricated on Gas.

CLUTCH PILOT BEARING - Diesel

Remove small cap on back of Clutch Housing. Grease through Zerk fitting in flywheel. Two strokes of grease gun every 60 hours of operation.

CLUTCH PILOT BEARING - Gasoline

This bearing is automatically lubricated through hole drilled in crankshaft. Oil entering from crankshaft.

TANDEM DRIVE

Tandem Drive consists of a spur gear train and oil tight case. Oil test plug on back of case. Use a good grade of transmission oil SAE 140/160.

REAR TIRES

Air pressure should be maintained at 20 pounds minimum and 25 pounds maximum. Keep rim lugs tight.

FRONT TIRES

Air pressure should be maintained between 70 and 80 pounds. Keep rim lugs tight.

CIRCLE

Keep circle well greased where contact is made between circle and guides. Shims are provided so circle may be kept at the proper adjustment. Use a good grade of grease gun grease.

ZERK GREASE FITTINGS

All fittings to be greased daily with an approved lubricant.

AIR PUMP

The tire pump is driven from the main drive shaft located under center section of seat. It is driven by spur gears. For starting or stopping air pump, shift drive gear in or out of mesh. Air pump should not be run over 450 revolutions per minute.