



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

Minneapolis Moline

Service Manual

Universal J

Service Manual

purchase full manual at

JENSALES.COM
or Call 800-443-0625



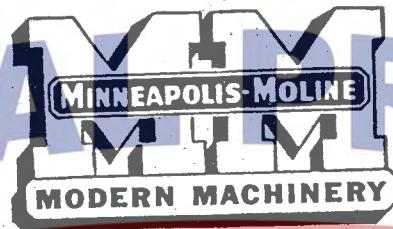
CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
MINNEAPOLIS MOLINE OR IT'S SUCCESSORS. MINNEAPOLIS MOLINE AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

MM-S-J

MINNEAPOLIS-MOLINE



SHOP SERVICE MANUAL

M-M UNIVERSAL "J"



JENSALES.COM

or Call 800-443-0625

MINNEAPOLIS-MOLINE POWER IMPL. CO.,

MINNEAPOLIS, MINN.

INDEX

Air Cleaners	A-B-9-10-11
Axles, Front, including Wheels.....	38
Axles, Rear, including Bull Gears.....	36
Bearings	17-18
Belt Pulley Assembly.....	40-41
Breather	A-9
Brakes	25-26-27-28
Carburetor	21-22-23
Clutch	28
Clutch, Adjustment	28
Clutch, Relining	30
Clutch Shaft and Gears.....	31
Cooling System	20-21
Countershaft and Gears, Upper.....	33
Countershaft and Gears, Lower.....	33
Differential	33-34-35-36
Fan	9
Fuels, Low Grade.....	42
Governor	17
Lubrication, Engine	11-12
Lubrication, Transmission	31
Magneto, Care	23
Magneto, Timing	23-24
Manifolds	19-20
Oil Filter	B-13
Oil Filter, Cleaning	B-C-D-13
Oil Pump	12
Oil Pressure Gauge.....	13
Oil Pressure Regulator	13
Operating the Tractor.....	6-7-8
Pistons, Pins and Bushings.....	18-19
Spark Plugs	9
Speeds, High	41
Starting and Operating the Tractor.....	6
Steering Gear	40
Transmission	31
Valves, Care	14
Valves, Grinding	14-15-16
Valves, Adjusting	16
Valves, Timing	17
Water Pump	17

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES.COM

purchase full manual at

or call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

19. Engage the clutch gently by pushing the lever "C" Fig. 3 ahead slowly, at the same time increasing the speed of the engine by slowly advancing the throttle "A" Fig. 3 so that you attain full speed after the tractor has started to move and at about the same time that the clutch is fully engaged. This will prevent unnecessary wear of the clutch linings.

20. When the engine is thoroughly warmed up, switch your fuel to kerosene or distillate by turning the lever on the 3-way valve until it points straight down.

TO STOP THE TRACTOR

Disengage the clutch by pulling the lever "C" Fig. 3 back and throw the gear shift lever "D" Fig. 3 to a neutral position (straight up).

TO STOP THE ENGINE

Turn the 3-way valve to gasoline (the lever pointing straight ahead) and allow the engine to run for a few minutes so that the carburetor will be filled with gasoline for starting the next time.

Ground the magneto by throwing in the switch "B" Fig. 3 on the steering shaft support.

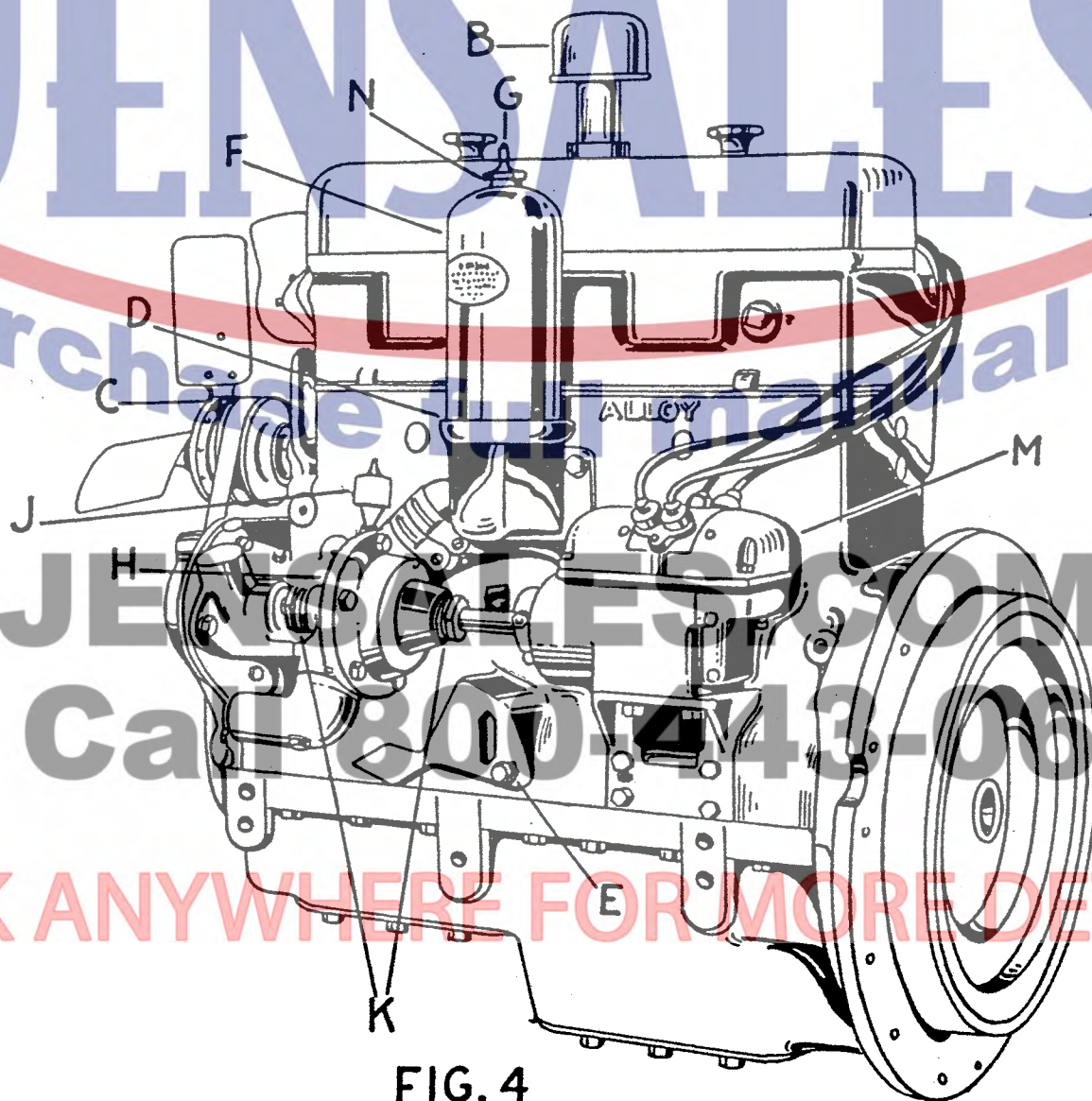


FIG. 4

Dismantle the brake by first removing the several springs, "B," "C" and "D," Fig. 9.

Replace the old brake shoes with new or reconditioned ones and reassemble the brake.

Adjust the brake in the following manner before putting it back on the tractor.

Put the brake inside the brake drum.

Loosen the big nut on the back of the brake about one turn and remove the small clip over the notched adjusting screw.

Turn the notched adjusting screw until the brake shoes "E" and "F" Fig. 9 are against the drum but not tight.

Replace the clip in the slot over the adjusting screw.

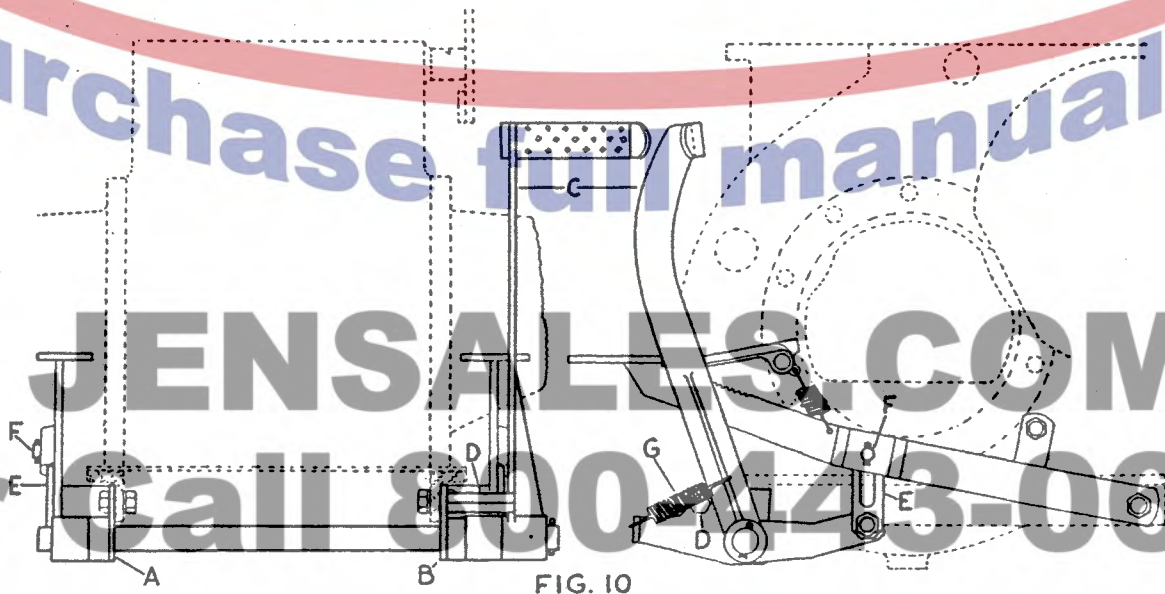
Replace the brake, the brake drum and the large nut on the differential shaft. Be sure that the cotter is put through the nut and shaft.

Complete the brake adjustment in the manner described on page 26.

Replace the cover over the end of the shaft and slip the sheet metal cover over the complete brake.

Attach the anchor pin for the end of the brake cable to the foot pedal. It should be adjusted just so that the foot pedal will not hit the axle when it is raised to its highest position.

THE AUXILIARY (ONE PEDAL) BRAKE (Fig. 10)

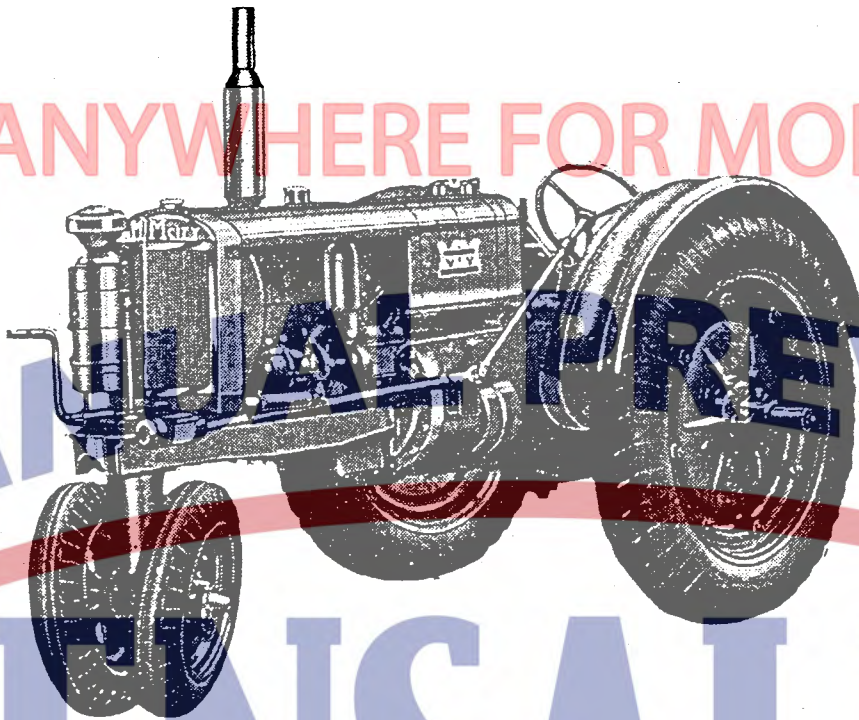


The auxiliary one piece brake attachment is meant to put equal braking on the two sides of the tractor at the same time and must be installed when the high speed is released for use with rubber tires.

The plain bracket "A" and the bent bracket "B" are attached to the left and right hand platform angles respectively at points near the middle, with the foot pedal "C" on the right hand side.

#CU 310 X1

CLICK ANYWHERE FOR MORE DETAILS



M-M UNIVERSAL J

Minneapolis-Moline Power Impl. Co.,
Minneapolis, Minn.

MAIL ORDER REVIEW

JENSALES®

purchase full manual at

JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS