

# GRAVELY

A DIVISION OF CLARKE-GRAVELY CORPORATION

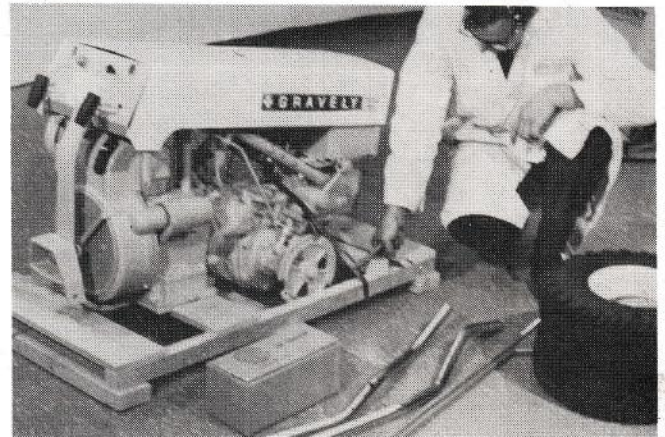
To continue its program of quality and design improvement, the manufacturer reserves the right to change specifications, design or prices without notice and without incurring obligation.

Commercial 10A and Commercial 12  
Set-Up Instructions  
Form No: 19943P1  
Effective Date: 12-1-72

Ignition Key is in "ON" position, when shipped, to prevent Key from vibrating out during shipment. Key should be turned to "OFF" position at the first opportunity.



1. Remove Handles, Control Rods, Tires, "Loose Parts Pack," and all packing material.



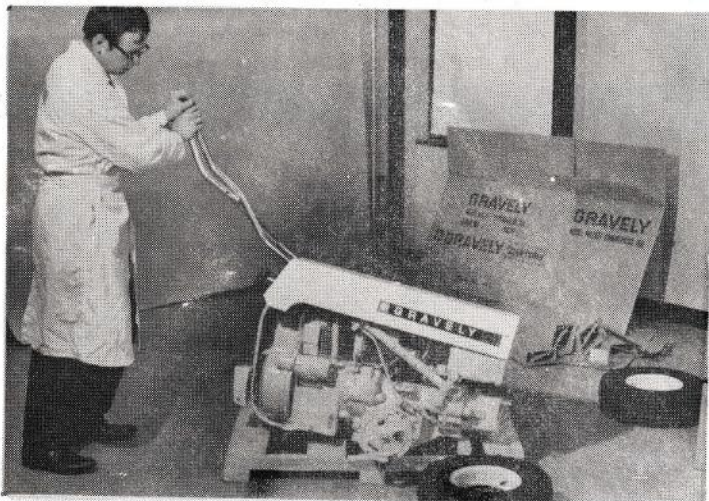
3. Remove Electrolyte Pack from pallet and set aside. Cut Tie Strap.



2. Remove staples securing box to pallet. Remove box from pallet by tilting box up over Tractor from rear of Tractor.

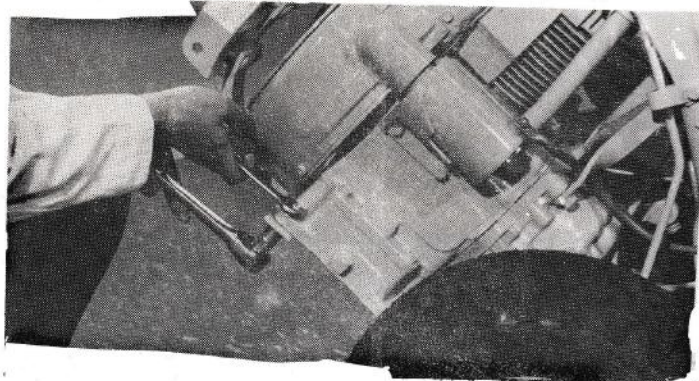


4. Open loose parts and hardware pack.



5. Insert Handles into Support Tubes (Do Not Fasten) and maneuver Tractor to the right until Right Hand Wheel Hub clears pallet and Left Hand Hub is in the pallet opening; with Tractor tilted so the Right Hand Hub is elevated sufficiently to install Right Hand Wheel.

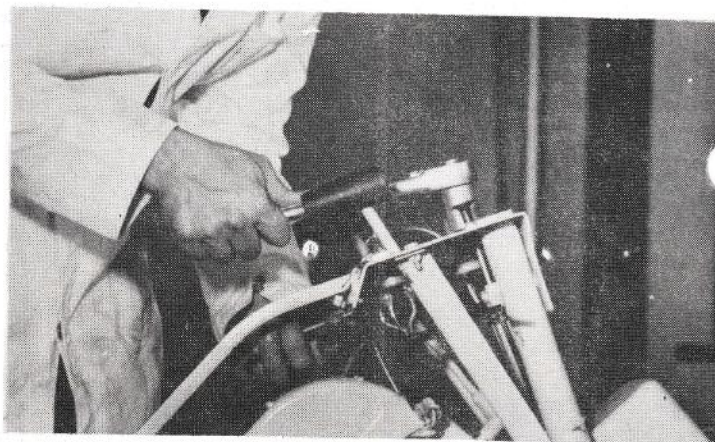
(using Handle Bars) until the Tractor Stand clears pallet. Tip Tractor backwards until it rests on Stand, Right Hand Tire, and Rear Hitch. Remove pallet and install Wheel Assembly on Left Hand Wheel Hub. Raise Tractor until it is resting on both Wheels and Tractor Stand.



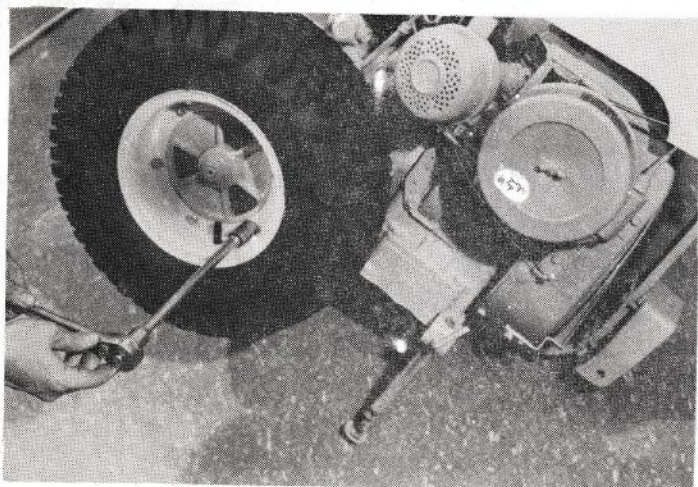
8. Loosen Bolts securing Rear Hitch to Engine Base until Bolts are held by approximately two threads in Nuts.



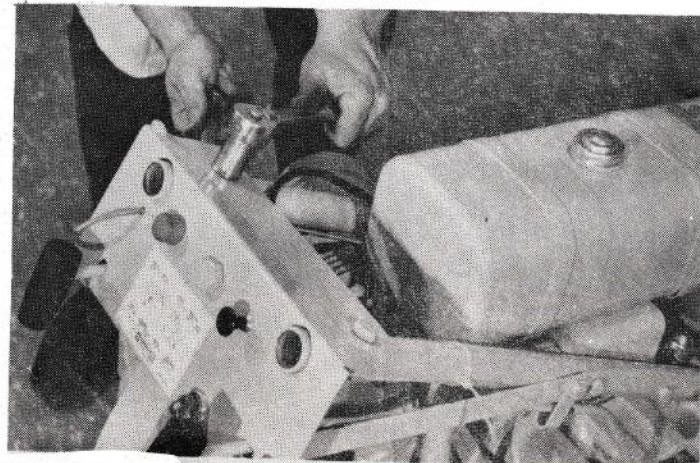
6. Install Wheel Assembly on Right Hand Wheel Hub. Valve Stem to outside.



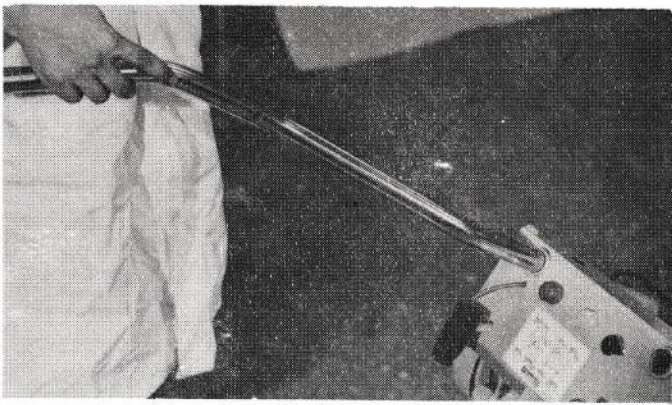
9. Loosen Bolt securing Rear Hitch to Instrument Panel, approximately 4 turns, but **DO NOT REMOVE**.



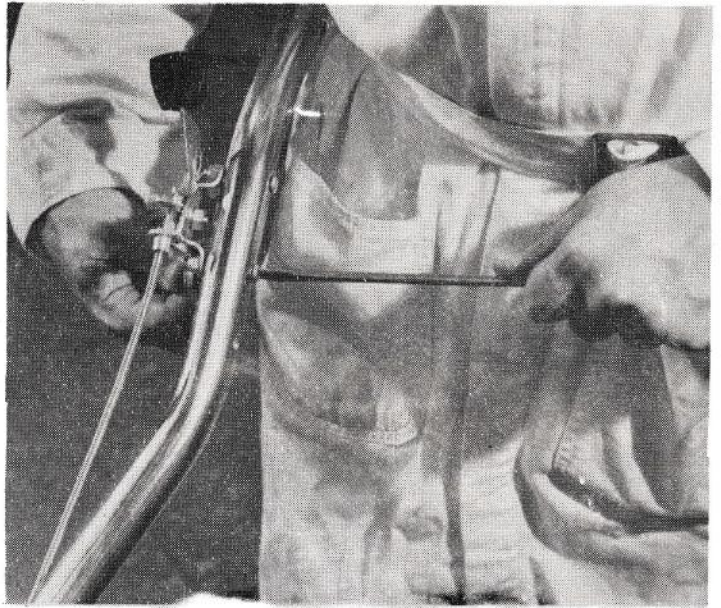
7. Loosen Tractor Stand Handle. Using Handle Bars, tilt Tractor forward until Tractor Stand is extended as shown and lock with left hand. Swing Tractor to right



10. Remove Bolt and Nut securing Instrument Panel to the Left Hand Support Tube. Do not loosen Right Hand Bolt and Nut at this time.



11. Insert Left Hand Handle Bar in Left Hand Support Tube (Handle with three holes drilled as shown).



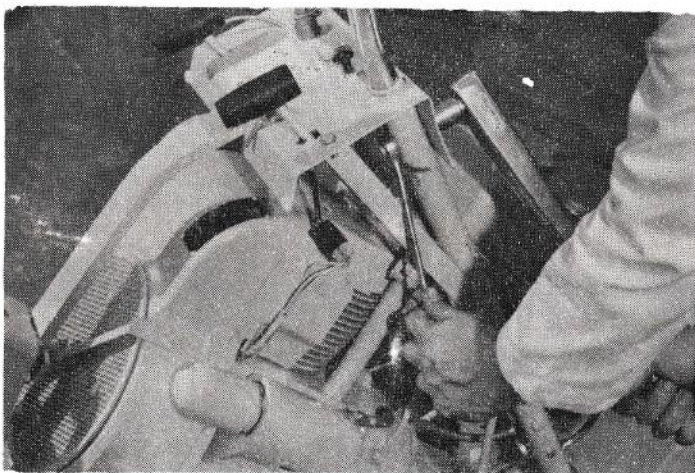
14. Attach Throttle Control to Left Hand Handle Bar.



12. Insert Bolt through Instrument Panel, Support Tube and Handle Bar. Secure in place with Nut. Torque to 100-125 foot pounds before proceeding.



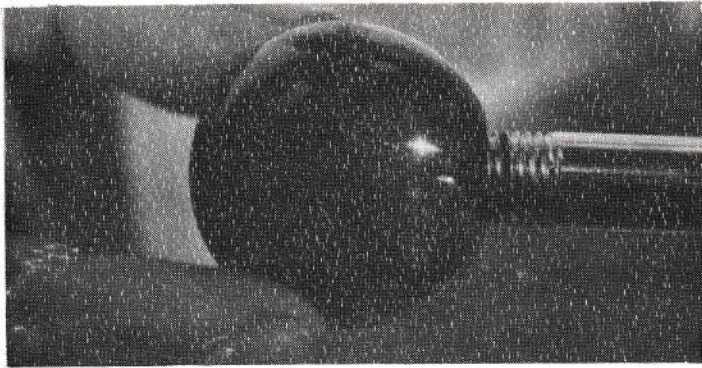
15. Wet inside of Handle Grips with clean water only (DO NOT use oil or soap). Start Handle Grips on Handle Bars. Drive the Grips on with a soft mallet.



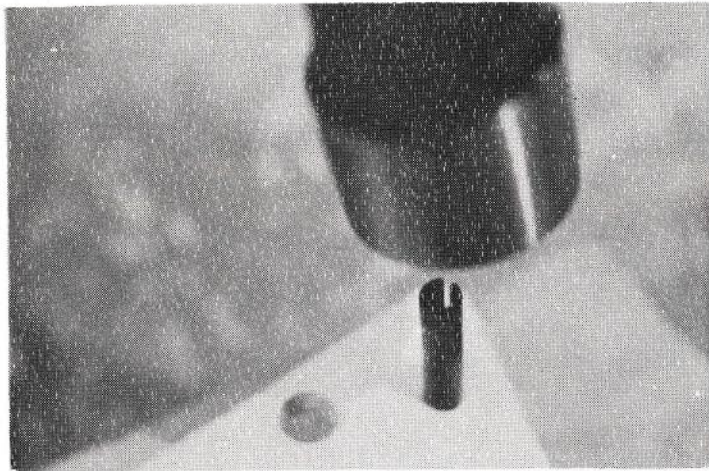
13. Remove Bolt and Nut securing Instrument Panel to the Right Hand Support Tube. Insert Right Hand Handle Bar in Support Tube. Insert Bolt through Instrument Panel, Support Tube, and Handle Bar. Secure in place with Nut. Torque to 100-125 foot pounds. NOTE: Retighten Bolts securing Rear Hitch to engine base (See No. 8) and Bolt securing Rear Hitch to Instrument Panel (See No. 9).



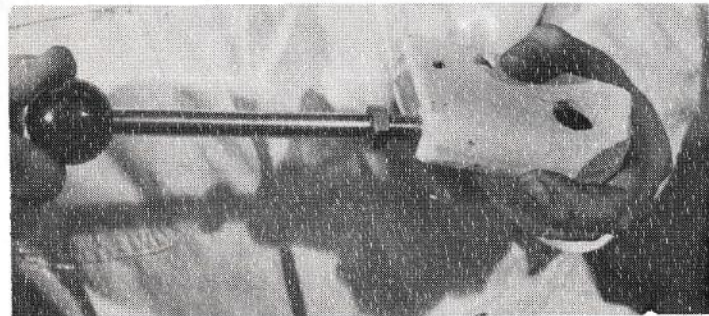
16. Thread Jam Nut on long threaded end of Shifter Rods.



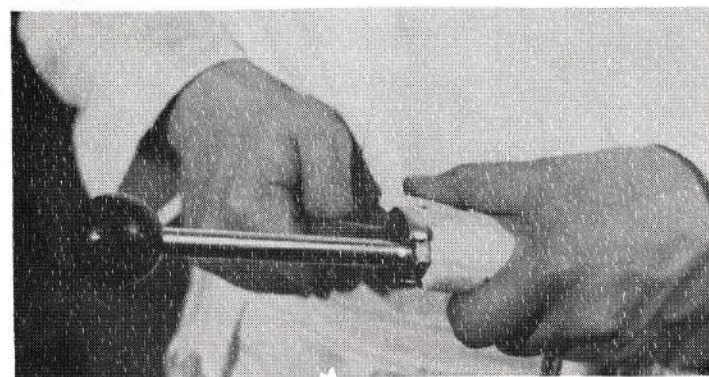
17. Thread Control Knob on other end of Shifter Rods.



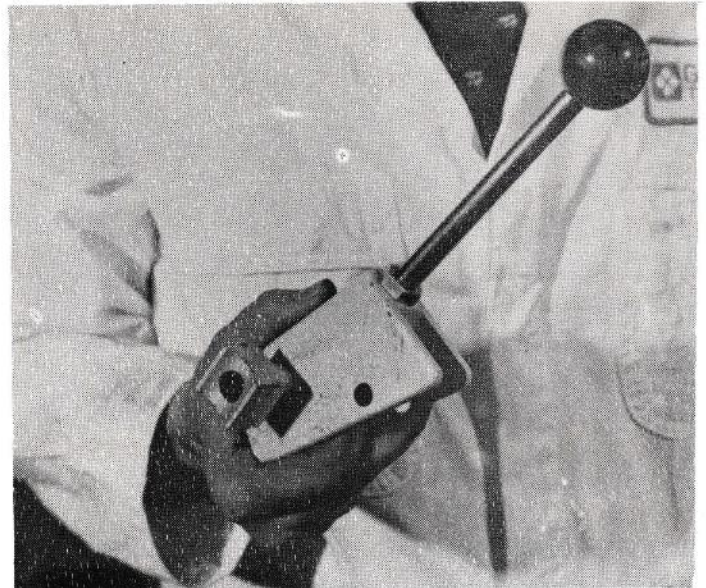
18. Drive Spring Pin into Forward-Reverse Shifter Rod Support.



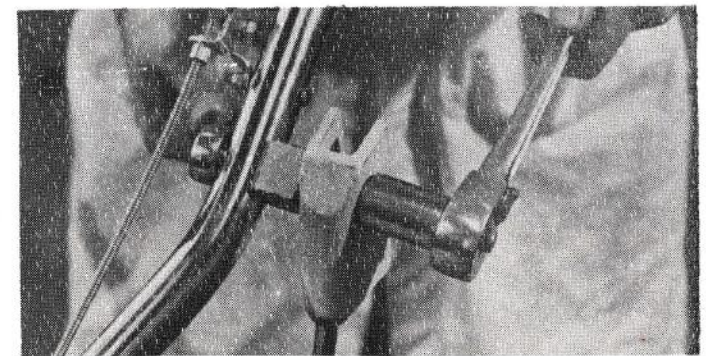
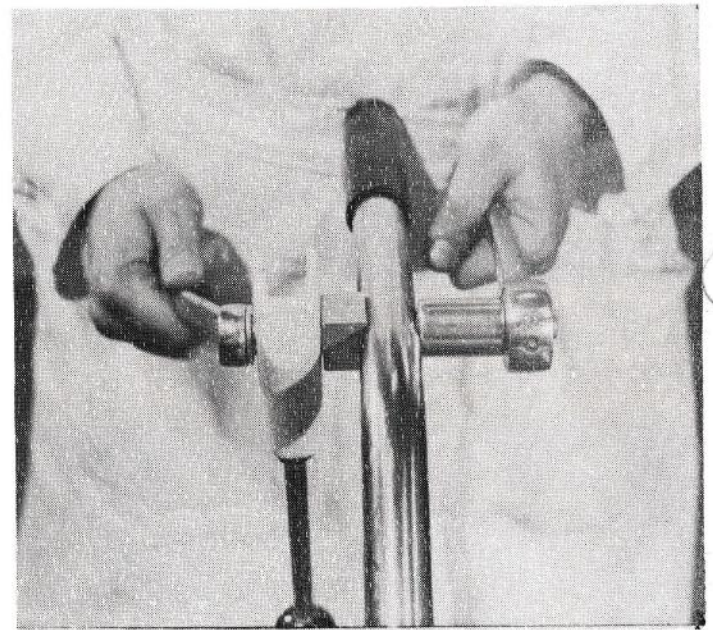
19. Thread Shifter Rod Assemblies into Shifter Rod Supports.



20. Tighten Jam Nut Against Shifter Rod Supports



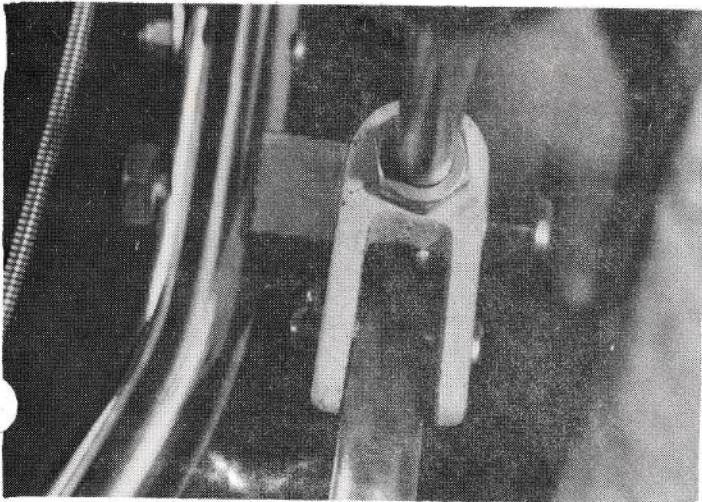
21. Insert Handle Lever Pivots into Shifter Rod Supports.



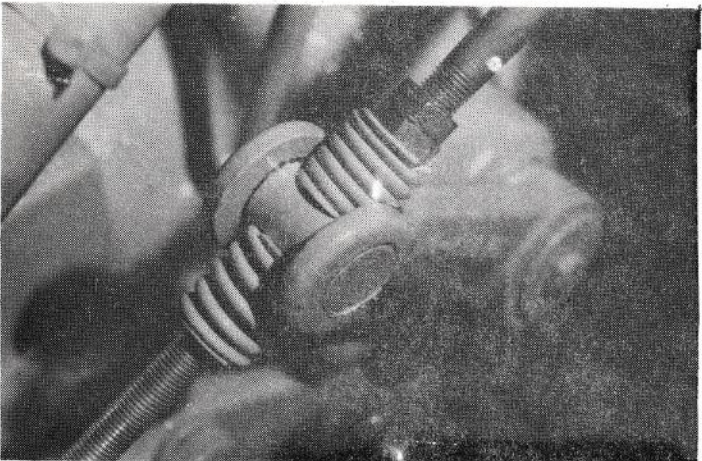
22. Attach Forward-Reverse Shifter Rod Support Assembly to the Right Hand Handle with Washer under Bolt head and the Washer next to Shifter Assembly as shown. Similarly install High-Low Shifter Rod Support Assembly on Left Hand Handle.



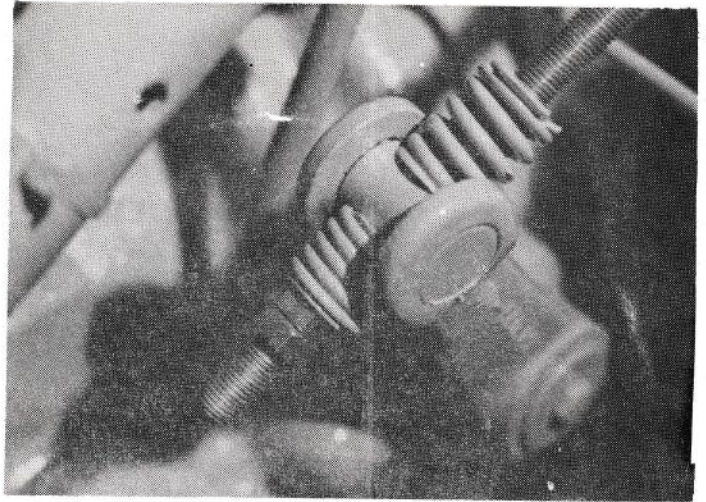
23. Thread TWO Jam Nuts on each Clutch Rod, approximately 6 inches from end.



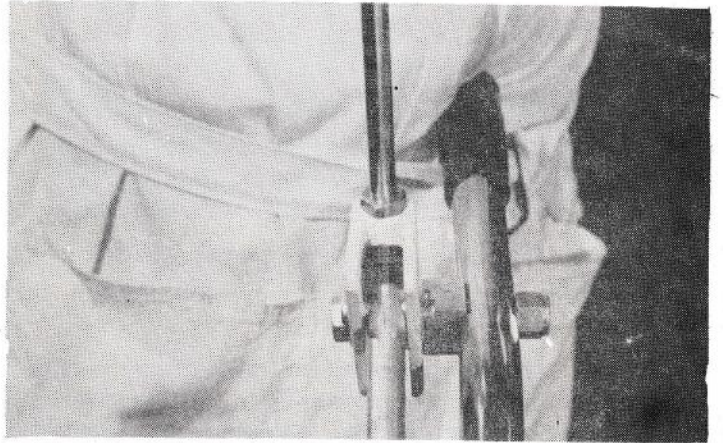
24. Insert short Clutch Rod (one with curved end) through Hi-Lo Actuating Shaft Lever Assembly (as shown in Fig. 26). Attach, with curved end down, to Shifter Rod Support with Clevis Pin and Cotter Pin. Start two Jam Nuts on end of Clutch Rod.



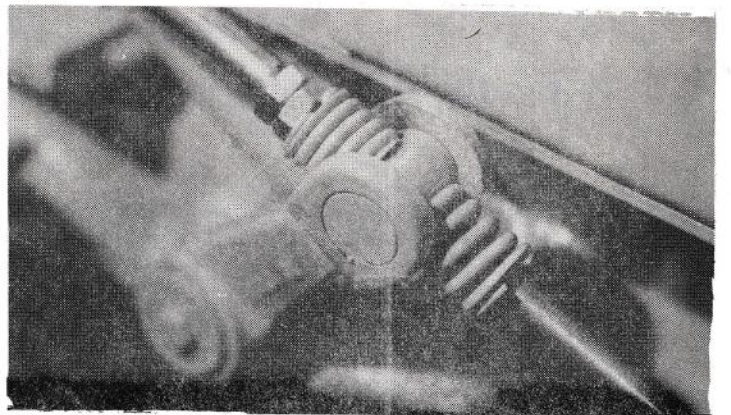
25. Proper adjustment in high range is when Jam Nuts are in a position so that the Spring on the Actuating Shaft Lever is almost completely compressed when the Shifter Rod goes over center. Adjust Nuts in proper direction to achieve this. Lock Nuts together.



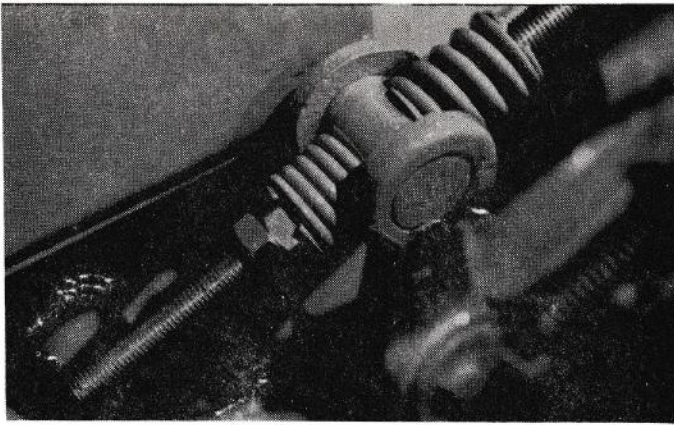
26. Proper adjustment in low range is when Jam Nuts are in a position so that the Spring on the Actuating Shaft Lever is almost completely compressed when the Shifter Rod comes over center. Adjust Nuts in the proper direction to achieve this. Lock Nuts together.



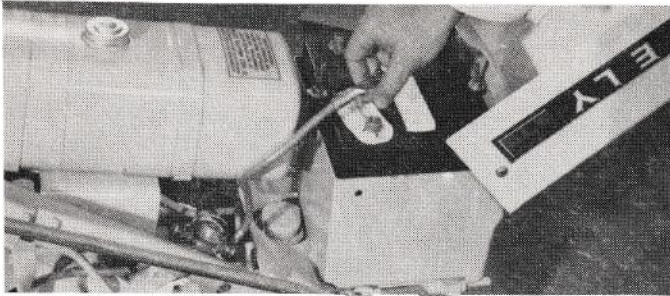
27. Insert long (straight) Clutch Rod through Forward-Reverse Actuating Shaft Lever Assembly. Attach to Shifter Rod Support with Clevis Pin and Cotter Pin. Start two Jam Nuts on end of Rod.



28. Proper adjustment in Forward is when Jam Nuts are in a position so that the Spring on the operating Shaft Lever is almost completely compressed when the Shifter Rod goes over center. Adjust Jam Nuts in the proper direction to achieve this. Lock Nuts together.



29. Proper adjustment in Reverse is when Jam Nuts are in a position so that the Spring on the Operating Shaft Lever is almost completely compressed when the Shifter Rod is approximately in a vertical position. Adjust Jam Nuts in the proper direction to achieve this.

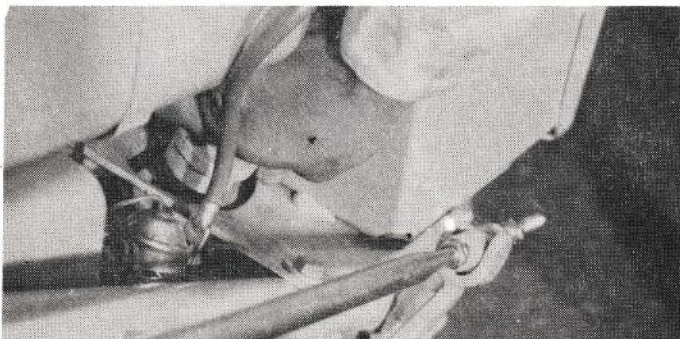


30. Remove the Battery Cable from the positive post of the Battery.

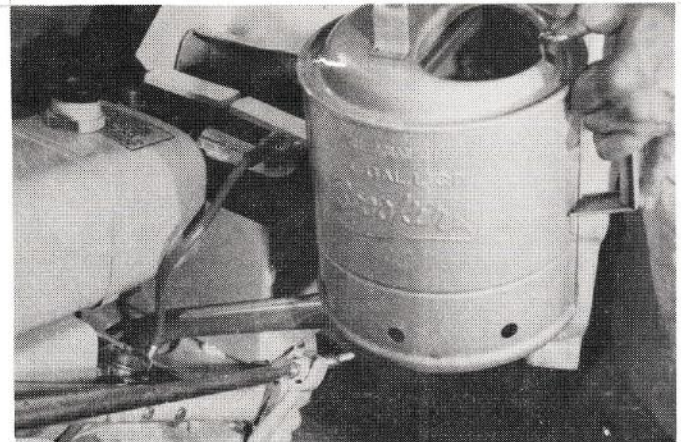
31. Service battery according to instructions packed with the tractor. It is not necessary to remove the battery, however, care should be exercised to avoid getting battery acid on the paint.

32. Attach the battery cable from the magnetic switch to the positive (+) terminal of the battery.

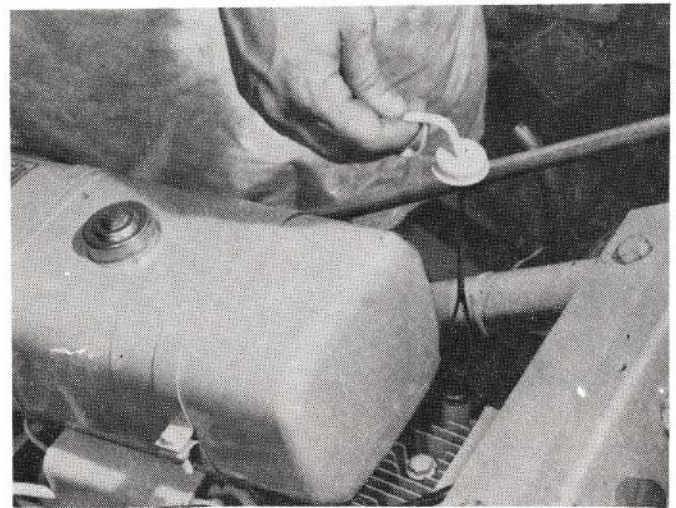
33. Attach the battery ground cable to the negative (-) terminal.



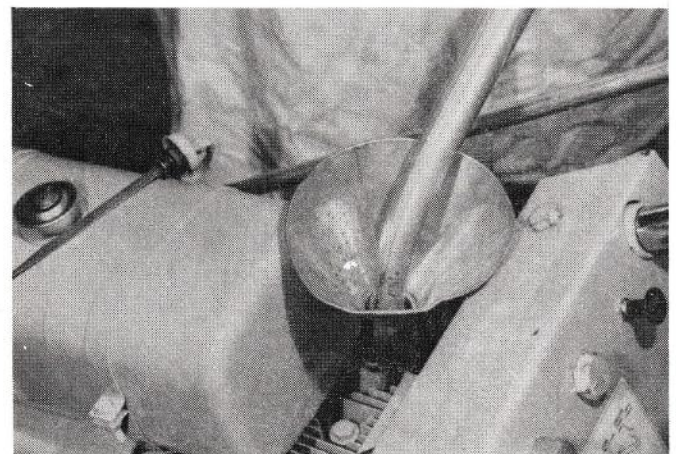
34. Remove Oil Filler Plug from Transmission.



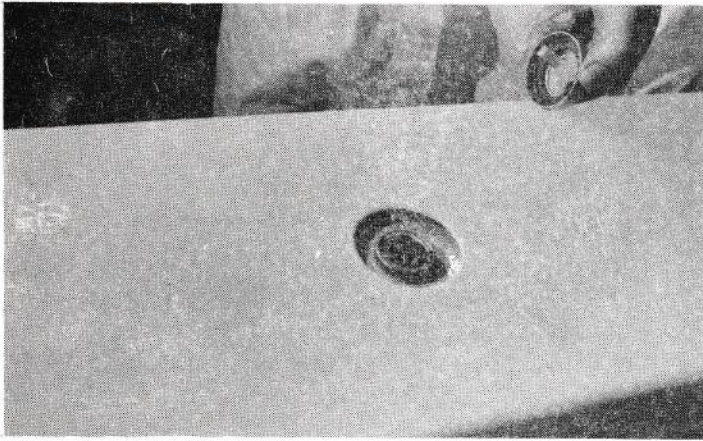
35. Fill Transmission to full mark on Dip Stick with SAE 30 oil (API classification SC or SD). Capacity is 5 U. S. quarts.



36. Remove oil Dip Stick from Oil Filler Tube of engine.



37. Fill engine Crankcase with oil of proper viscosity. See Owner's Manual for recommendations. Capacity is 5 U. S. pints.



38. Put fuel in Fuel Tank using fresh, clean, high quality, regular gasoline. Check to be sure Shut-Off Valve under Tank is open (turn counterclockwise to open).

 **GRAVELY**

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