



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.

SET-UP INSTRUCTIONS  
810, 812, 816S, 817

Form: 20873L2  
Effective Date: 1-1-77

Battery, Engine and Transmission are shipped without oil or electrolyte. Service before attempting to operate.

1. Remove carton sides and cut all strapping. Caution: Straps are tensioned; cut with care. Remove all loose parts and packing material.
  2. Service battery according to battery service instructions shipped with the tractor. While battery is charging, continue set-up.
  3. Reduce air pressure in tires to 10 psi (both front and rear).
  4. Raise and support rear of the tractor. Unscrew bolts from wheel hubs.
- 817: Mount wheels, air valve towards transmission
- 810, 812, 816S: Mount wheels, Air valve away from transmission. Note: Wheels may be mounted air valves inside for wider tread width.
5. Raise and support front of chassis allowing axle to hang free. Remove nuts from king pins. Pack wheel bearings with wheel bearing grease.
  6. On each king pin slide on spacer, wheel (air valve in) bearing, spacer and washer. Tighten nut until bearings drag; back off until wheel turns free but without free-play.
  7. Lubricate the following through the grease fittings. Use general purpose grease.

- King pins - 2
- Axle pivot point - 1
- Direction control - 1
- Steering assembly - 3

Add a small amount of grease to the Rack and Pinion mechanism.

Lower chassis and wipe off excess grease.

8. Put steering wheel on shaft. Fasten with bolt and nut.
9. Fill transmission with oil. NEVER USE OIL ADDITIVES  
Capacity: 6 U.S. Quarts (all models)  
Grade: API classification SE  
Viscosity: SAE 10W-30 for all seasons
10. Fill engine with oil. Check with dipstick after filling.

NEVER USE OIL ADDITIVES

Capacity

810, 812, 816S.....2 U. S. Quarts

817.....3.5 U. S. Quarts

Grade.....API Service SC

Viscosity.....Above 0 F SAE 10W-30

Below 0 F SAE 5W-20

11. Use fresh, automotive regular grade gasoline. 86 octane or higher. Do not use ethyl, white or high-test. Open valve under tank.
12. Test the tractor.
  - A. Check tightness of battery cables.
  - B. Check clutches (air gap); see Owner's Manual.
  - C. Check PTO control free travel; see Owner's Manual.
  - D. Adjust carburator if needed.
  - E. Check full throttle engine speed (3600 rpm).
  - F. Check engine idle speed (1000 rpm).
  - G. Check hydraulic system if so equipped.
  - H. Test drive the tractor.



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1 GRAVELY LANE

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