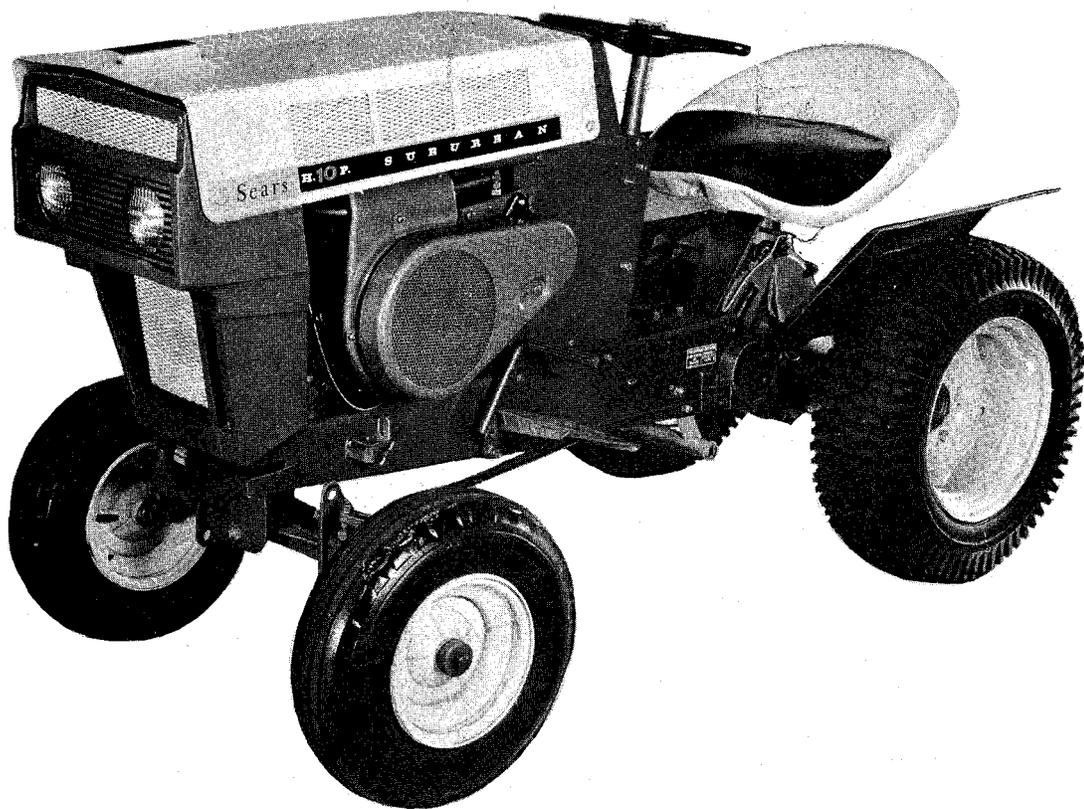


ASSEMBLY, OPERATING INSTRUCTIONS
AND PARTS LIST FOR
SEARS

SUBURBAN H8P TRACTOR
SUBURBAN H10P TRACTOR

MODEL NO. 917.60644 ELECTRIC STARTER H8P
MODEL NO. 917.60645 RECOIL STARTER H8P
MODEL NO. 917.60646 ELECTRIC STARTER H10P



SEARS, ROEBUCK AND CO.—U.S.A.
SIMPSONS-SEARS LIMITED—CANADA

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INTRODUCTION

Your tractor is ruggedly built for plenty of stamina and long life. You will be delighted with its ease in maneuvering. The design of your tractor will give you the superior performance you have a right to demand of any tractor of this size. Properly adjusted, maintained and operated, it will respond to every reasonable demand you make upon it, and will give you reliable service for years.

GENERAL INFORMATION

Keep this book handy at all times, familiarize yourself with the operating instructions before beginning to operate your tractor.

Each tractor is given a thorough inspection before shipment, however, it is important that it be again thoroughly checked at the time of receipt, to ascertain if any damage has occurred in transit.

Your tractor is shipped complete.

- 1 Carton 606 x 63 - 8 H.P. Tractor with 12 Volt Starter
- 1 Carton 606 x 64 - 8 H.P. Tractor with Recoil Starter
- 1 Carton 606 x 65 - 10 H.P. Tractor with 12 Volt Starter

OPTIONAL EQUIPMENT

| | |
|---------------------|--|
| Catalog Number 9959 | Three Point Hitch |
| Catalog Number 9960 | Pair of Rear Wheel Weights |
| Catalog Number 9841 | Front End Weight |
| Catalog Number 9887 | Pair of Front Wheel Tire Chains |
| Catalog Number 9926 | Lighting Kit for 8 H.P. Electric Starter Tractor |

Sears, Roebuck and Co. or Simpsons-Sears limited in Canada reserves the right to make any changes in design and changes or improvements on its implements without imposing any obligation to install the same upon its implements heretofore manufactured.

SETTING UP INSTRUCTIONS

A number at the beginning of a paragraph in the following instructions refers to an arrow in the adjoining figure except when otherwise stated. When R.H. (Right Hand) and L.H. (Left Hand) are used, it should be understood to mean from a position behind and facing the tractor (or direction of travel). Reference to "front" indicates the engine and hood end of tractor, and the "rear" the transmission.

1. Remove carton from around tractor.
2. Cut banding holding tractor to crate bottom.
3. Check tire pressure, front tires 15 pounds, rear 8 pounds.
4. This tractor is completely assembled, therefore, lubricating the tractor and adding fuel is all that is necessary before starting tractor.

NOTE: Use a good grade of regular, clean, fresh gasoline. Do not mix oil with gasoline. See Lubrication Chart.

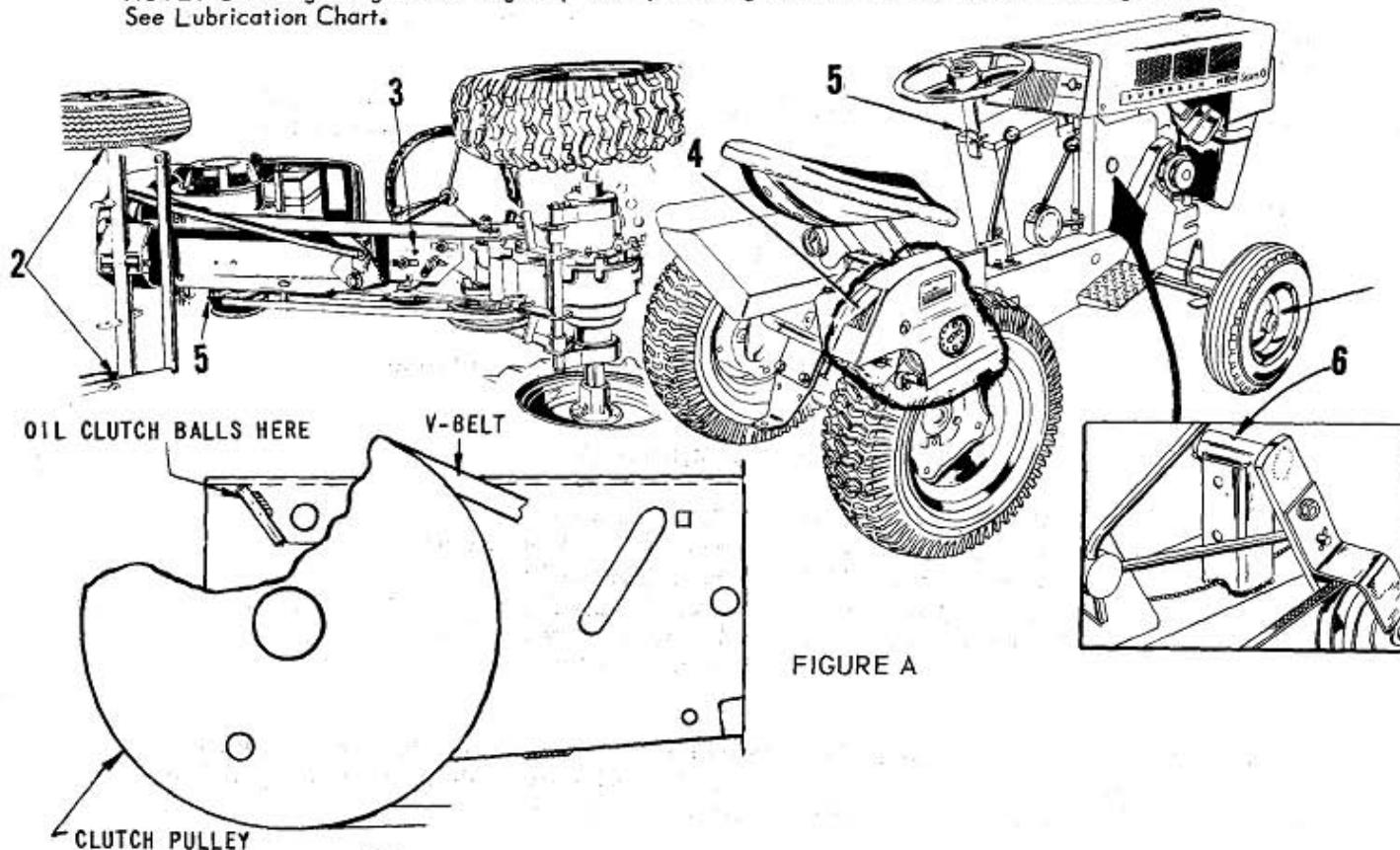
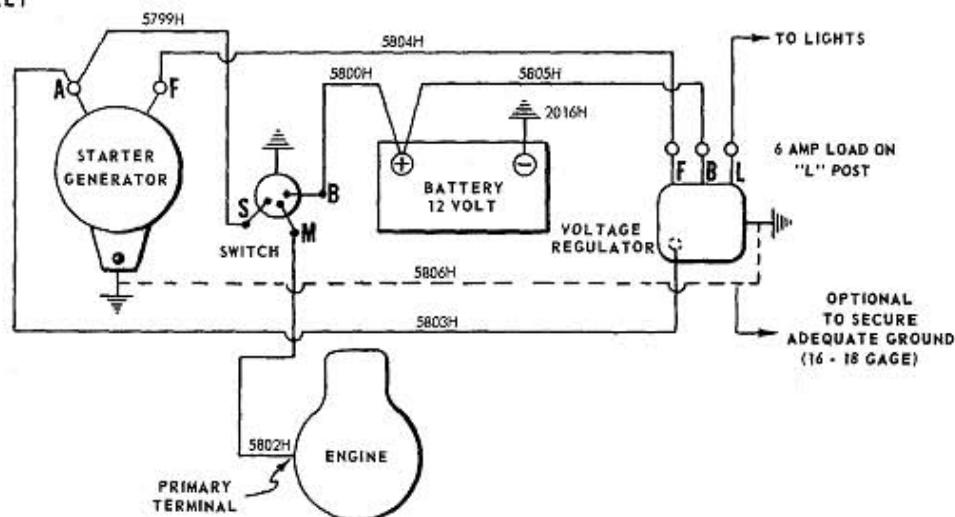


FIGURE A



FOR ELECTRIC STARTER MODEL ONLY:

1. Fill battery with electrolyte as outlined in instructions in battery container.
2. Install battery in battery box so that (+) terminal is to rear of tractor. Tighten bolts in battery box to hold battery securely.
3. Connect starter switch cable to positive (+) terminal.
4. Connect ground strap to negative (-) terminal.

LUBRICATION CHART

NOTE: Study this Instruction Book and Maintenance Schedule very closely. Before lubricating the tractor, clean all dirt from fittings and filler plugs. Always use recommended grades of good, clean oil. Always have tractor on level ground for checking oil level.

| TIME | OPERATION | LOCATION |
|-------------------------|---|---|
| STARTING EACH DAY | <p>ENGINE CRANKCASE - Capacity 2½ pints. Starting each day, check oil level in crankcase and fill to top of filler neck or to full mark when dip stick is provided. Be sure dip stick is screwed in and that engine is level. Use Allstate multigrade all weather oil SAE. 10W30 or equivalent for service MS.</p> <p>Clean element every few hours under extremely dusty conditions.</p> <p>AIR CLEANER - Remove the wing nut and lift air cleaner cover and element from carburetor. Top element to remove dust and dirt from element. Replace element cover and wing nut. NOTE: After several cleanings it may be necessary to replace element if engine does not run satisfactory after cleaning.</p> <p>FLYWHEEL HOUSING SCREEN AND CYLINDER FINS - Remove any dirt or grass that may have accumulated on the flywheel housing screen or cylinder fins, as this may interfere with the cooling of the engine.</p> | Oil Filler Plug is Located on the R. H. Side and To the Rear of Engine |
| EVERY TWO HOURS | <p>SPEED CHANGER - Grease fitting on spindle for speed changer sheaves. Grease sparingly, one shot with grease gun. Be sure that grease does not get on belts, as grease is very detrimental to rubber.</p> | |
| EVERY FIVE HOURS | <p>ENGINE CRANKCASE - After each 5 hours of operation, check the oil in the crankcase and fill to overflowing.</p> <p>CLUTCH - Place four or five drops twice daily on clutch shifter blocks. Use No. 20 Allstate or any other high grade oil.</p> <p>CLUTCH BALLS - With clutch disengaged and engine stopped, place 4 or 5 drops of oil twice daily in top of oil tube. See diagram at left.</p> <p>SEE DRAWINGS FOR LOCATIONS - Figure A, Page 4.</p> <ol style="list-style-type: none"> 1. Front wheels, grease fitting in each hub, 2 shots of grease. 2. Front spindles, grease fitting on front axle at spindle, 2 shots of grease. 3. Clutch throwout plate and pin grease fitting located under tractor on clutch throwout plate, 2 shots of grease. 4. Idler arm and shaft and flanged bearing and arm located on rear of arms at right hand side of transmission. 2 shots of grease. 5. Steering post - several drops of oil in hole in steering post cap and in hole in side of steering post. 6. Speed changer pivot - several drops of oil in speed changer bracket. | The Oil Tube is located at R.H. rear of main frame above transmission input shaft. |
| EVERY 25 HOURS | <p>ENGINE CRANKCASE - Remove the oil DRAIN PLUG and completely drain the crankcase. DO NOT flush with kerosene or do not remove the Engine from the Mounting Frame. Replace the drain plug and refill with proper grade of oil as recommended in this chart under OPERATION, STARTING EACH DAY.</p> <p>TRANSMISSION - Remove the Oil Filler Plug and check oil. Refill as needed so that the oil level comes up to the filler plug.</p> | The Drain Plug is Located on the R.H. Side of Engine The Filler Plug is Located on the L.H. Side of Transmission Above and Ahead of Rear Axle. |
| EVERY THIRTY DAYS | <p>At least once each month, tighten all bolts, cap screws, and set screws. Inspect and replace all wearing parts showing excessive wear.</p> <p>STARTER GENERATOR - If generator does not have oil cups lubricate bearings when changing brushes.</p> | |
| EVERY 500 HOURS | <p>TRANSMISSION - Capacity 2 quarts (4 lbs). Every 500 hours remove the Drain Plug from the Transmission and drain all oil. Replace Drain Plug and fill to the level of the Oil Filler Plug. Use Allstate or other high grade E.P. Gear Lubricant S.A.E. No. 90.</p> | The Drain Plug is located on the L. H. lower side of the Transmission Case, directly below the axle. |

OPERATING INSTRUCTIONS

COLD WEATHER ELECTRIC STARTING INSTRUCTIONS:

1. Mix 1/2 pint kerosene to 2-1/2 pints 10W oil for crankcase in temperatures of 15 degrees Fahrenheit and lower.
2. Keep battery in a warm room since a warm battery delivers more current.
3. Use premium grade gasoline for easier starting in cold weather. However, we recommend regular grade gasoline in warm weather.
4. Do not run the starter motor continuously for more than thirty seconds at a time. If the engine does not start after two or three attempts, open the choke wide, wait several minutes, then repeat. If starter motor stops turning engine over, wait several minutes before attempting to restart engine. This prevents starter motor from overheating.
5. NOTE: Do not spill or drain solution from battery.

CAUTION: Do not use fast charge on battery. We recommend a slow charge only.

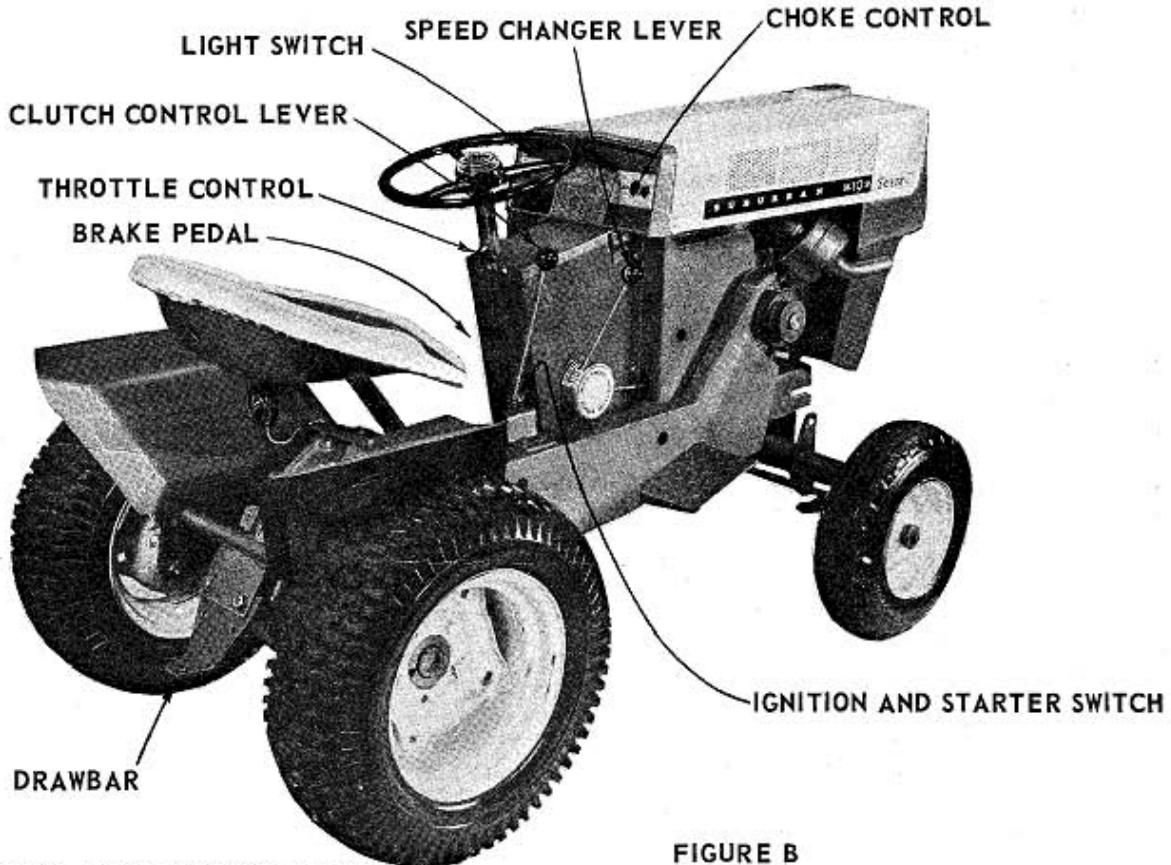


FIGURE B

STARTING AND STOPPING ENGINE

After engine and tractor have been serviced (lubricated and fueled) it can now be started.

Place clutch in neutral position-

Pull out choke control and advance (push forward) throttle about halfway.

For electric starter model, turn ignition key clockwise to run starter. (See step four above). Key is located on lower rear of battery housing.

FOR RECOIL MODEL

Pull rope slowly until starter clutch engages, then pull until resistance of compression is felt, continue slowly about 2 or 3 more inches until compression ceases. Allow starter rope to recoil, and again pull out slowly until starter clutch engages. Then pull with a quick, full arm stroke. Hold starter grip, while allowing rope to recoil. Repeat if necessary; after a couple of pulls, if engine does not start, open choke.

To stop engine, turn the ignition switch which is located on lower rear of battery housing to off position.

NOTE: Before stopping engine, move speed changer lever back to low range. This will make it easier to start engine because of less belt drag.

OPERATING -- CONTINUED

PUSHING TRACTOR

This tractor is difficult to push, because the entire transmission must turn when moving tractor. Therefore we recommend, to move tractor, it be started and driven rather than pushed.

DRIVING THE TRACTOR:

This tractor has only one lever for forward, neutral and reverse. It is called the clutch lever.

To go forward, advance throttle enough for the load, and push clutch lever forward until it is engaged.

This is an over center clutch, and it is necessary to force the lever forward until a slight snap is felt.

To stop tractor, merely pull back on clutch lever until clutch snaps out of engagement.

TOWING TRACTOR:

WARNING: THESE TRACTORS POSITIVELY SHOULD NOT BE TOWED.

DUAL WHEELS:

Dual wheels are available for extra traction and flotation when working on wet or sandy ground. These are especially useful with the disc harrow and with the rotary mower over very wet or sandy ground. It prevents tractor from making deep ruts in lawn. All hardware is furnished to bolt to regular wheels.

REVERSE:

To reverse the tractor, disengage clutch, then force clutch lever to the left then back past the rear lug on the clutch lever.

VARIABLE SPEED:

The tractor is equipped with a quick speed change. The forward speed can be varied from 2.1 MPH to 4.6 MPH, and reverse from 1.26 MPH to 2.83 MPH at engine speed of 3600 RPM, while tractor is in motion. If the load on the tractor becomes too great, or is too fast for the attachment, the speed can be reduced from 4.6 MPH to 2.1 MPH or at any point in between without stopping the tractor. This speed changer lever is located just ahead of the clutch lever. With this variable speed changer, the speed can quickly and easily be changed to meet the demand.

IMPORTANT: DO NOT move speed changer lever when the engine is not running, as this will stretch the belts.

TIRES:

Keep front tires inflated to 15 pounds and rear tires to 8 pounds. Underinflation will damage the tire cord body, and may cause the tire to slip on the rim and tear the valve stem. Overinflation results in excessive slippage, causing rapid tire wear. This is especially true on the rear tires. The rear tires should flex so that they are self-cleaning.

WHEEL WEIGHTS:

Rear wheel weights are available where extra draw bar pull is desired. When attaching weight to the wheels the convex side should be out. Insert the bolts from the outside through the holes, which have a deep recess on the concave (inner) side, and holes in wheel disc. Another wheel weight can be added by placing nut in hex recess of first weight and bolt second weight to first.

WHEEL WEIGHTS ARE VERY ESSENTIAL FOR ADDED TRACTION. THIS IS ESPECIALLY TRUE FOR ALL TILLAGE TOOLS SUCH AS PLOW ETC., AND WITH SNOWPLOW - BULLDOZER.

MAINTENANCE AND SERVICE INSTRUCTIONS

CARE OF BATTERY:

This tractor is equipped with a generator, therefore, it is not necessary to charge the battery unless tractor is operated for short periods of time. We suggest a trickle charger if extra charging is necessary.

Failure of storage battery can be attributed to four causes:

1. Corrosion at connections.
2. Loose connections.
3. Low water level in cells.
4. Discharged battery.

Therefore, to prevent the above conditions:

1. Clean terminals with soda and water solution and coat terminals with vasoline. Wash off all acid, which may have spilled on tractor, with soda water.

IMPORTANT: Do not get soda in battery cells.

2. Keep connections tight.
3. Add distilled water just before charging.

NOTE: In winter, if not charged after adding water, the battery will freeze.

4. Check with hydrometer very often when in use and once a month when in storage. The specific gravity of a fully charged battery is between 1250 and 1300.

BATTERY STORAGE: A DISCHARGED BATTERY will freeze.

If tractor is not used in Winter, remove battery and store in a cool place to avoid freezing. It should also be charged one hour once a month with a trickle charger. A battery loses its charge even when not being used. A battery kept charged will last longer than a battery that has become dead and recharged.

WINTER STORAGE OF TRACTOR:

Drain gasoline from tank and carburetor and see engine manual for proper winter storage of engine. Jack up tractor so that tires are not touching floor or ground. Remove battery and store in cool place; but where it cannot freeze. See Battery Storage above.

WARNING: Tractor should be stored in an enclosed building for the winter. If no building is available order Catalog No. 9881 canvas cover. This is a snug fitting cover and will protect tractor from ice, snow, sleet etc. Even in Summer your tractor will need less maintenance if properly housed or covered.

BELT TIGHTENER:

The belt tightener is spring loaded, therefore, no adjustment is necessary. When removing belt, simply roll belt out from under belt tightener pulley.

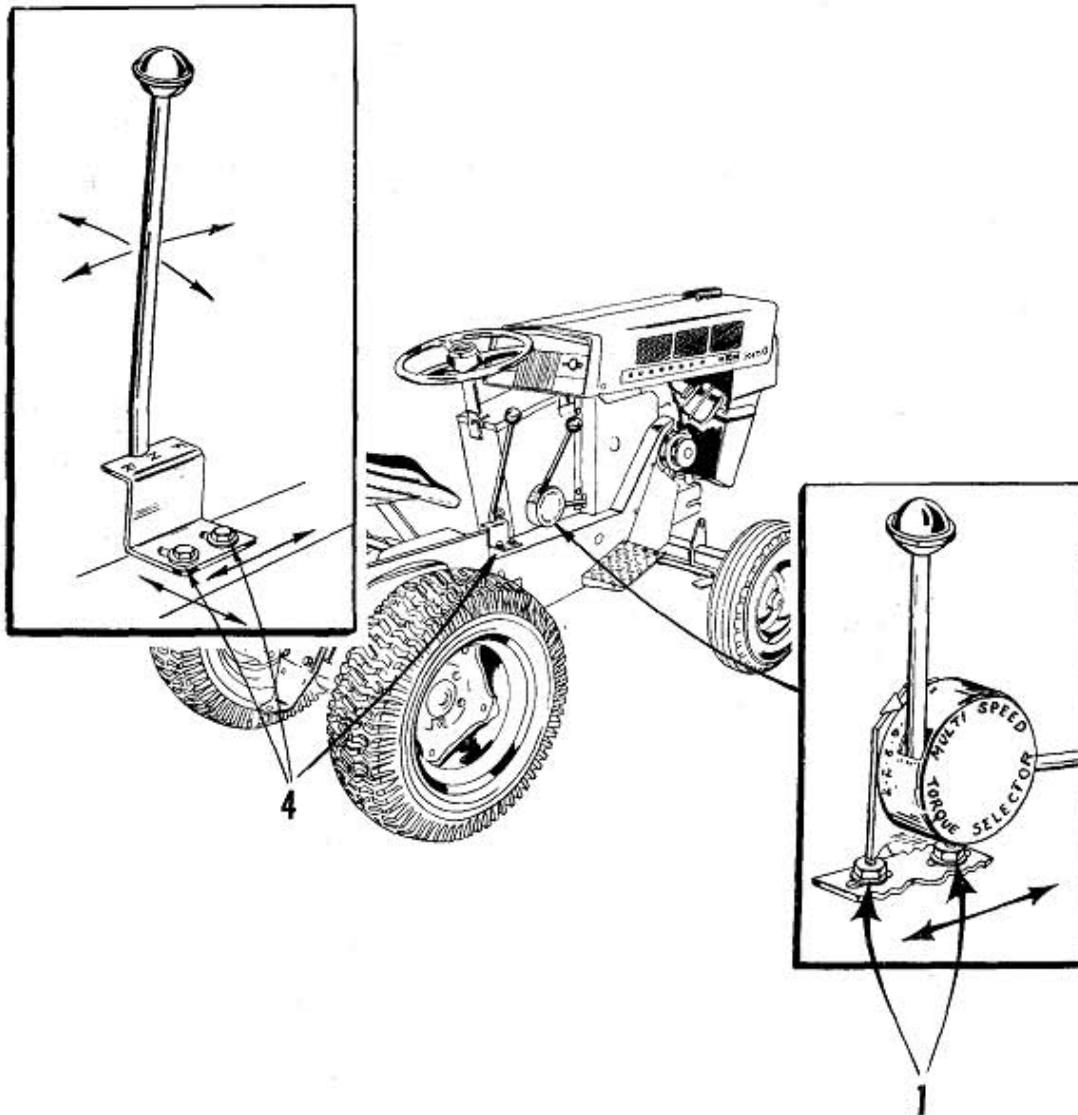


FIGURE C

ADJUST SPEED:

When your tractor is in the high speed range (speed changer lever pushed forward) the outside of the belt (speed changer to transmission) must be flush with the outside of that changer sheave.

Close adjustment can be made by loosening nuts on bolts (1) so that speed changer bracket (606A203) is loose on frame (606A312) and start engine. You will note that the engine to changer belt will travel to the bottom of the changer sheave and that the belt from the changer sheave to transmission will be to the top of that changer sheave. Rotate speed changer lever forward and push speed changer bracket and stop forward as far as possible and tighten nuts (1) securely. Start engine and rotate speed changer lever (606A204) backward and forward to check if the belts are centered in their range. This will prevent stretching of either belt.

The speed changer lever has a spring washer and hex slotted nut on L.H. side. If speed changer lever does not remain in position set, remove cotter from hex slotted nut and tighten nut one notch. Replace cotter.

NOTE: If nut is too tight lever will be difficult to move.

CLUTCH THROWOUT PLATE:

1. Push clutch lever forward, if clutch does not fully engage, push or pry clutch throwout yoke (606A57 - refer to Page 17, Illustration 13), to the right until clutch is fully engaged.
2. Loosen two nuts, Illustration 2 (under frame of tractor), on clutch throwout plate (606A58A).
3. Position clutch throwout plate so that roller on clutch throwout yoke is approximately 1/4" from front end of slot in clutch throwout plate. Square clutch throwout plate parallel with frame and tighten nuts. Check to see that clutch lever engages and disengages clutch. If clutch does not engage, loosen two nuts and move clutch throwout plate slightly to the right, retighten nuts and recheck engaging and disengaging. If clutch does not disengage, move plate slightly to the left.

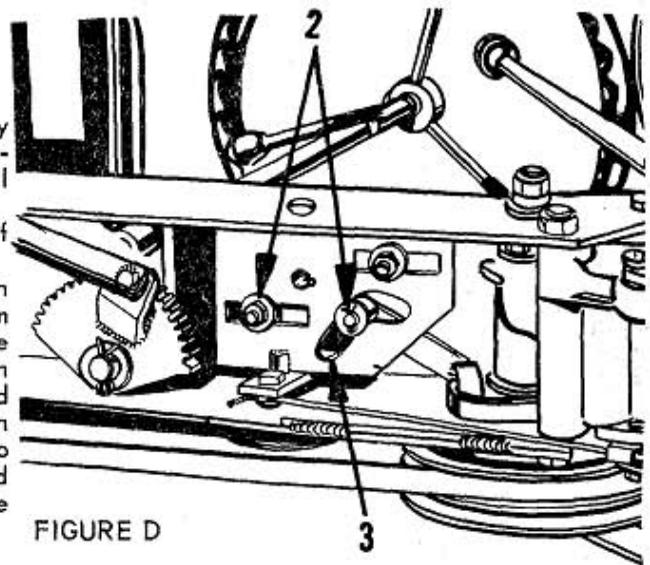


FIGURE D

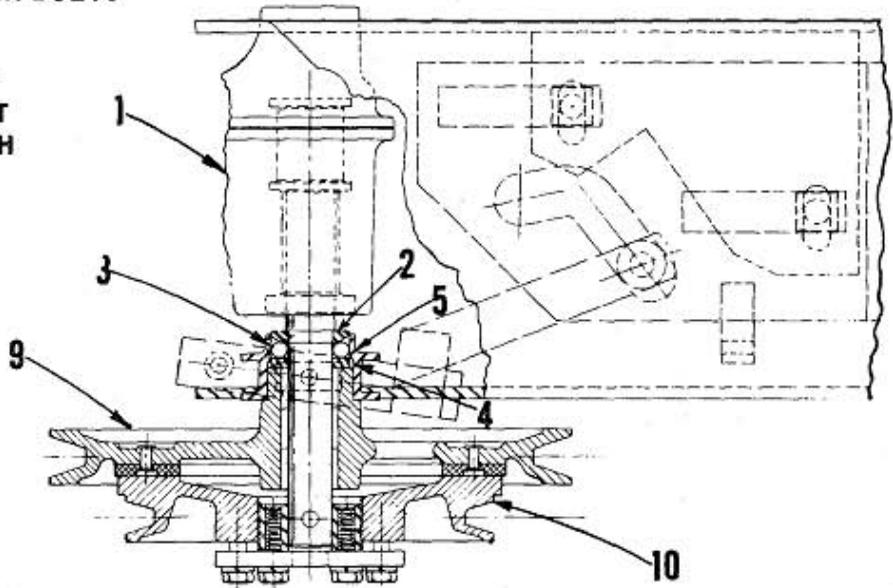
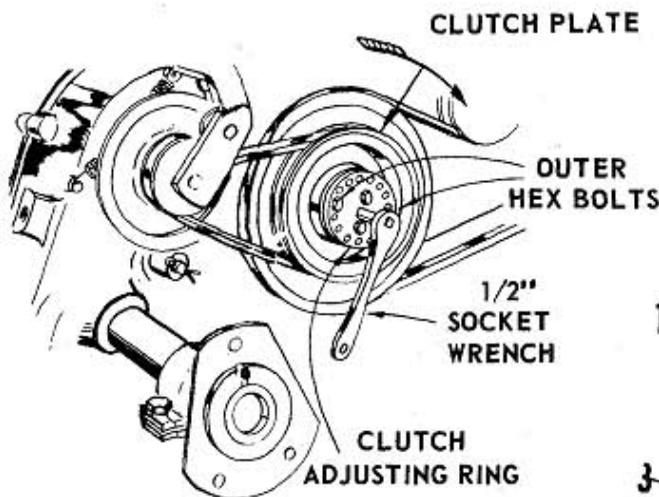


FIGURE E

CLUTCH ADJUSTMENT:

This clutch is a ball lock clutch. When clutch is engaged, clutch pressure ring (5) is moved to transmission pulley (9) as shown in drawing. The smaller inside diameter of clutch pressure ring (5) forces steel balls (3) in on thrust collar (2). This forces clutch pressure washer (4) and transmission pulley (9) against clutch plate (10). If clutch slips, remove two outer hex bolts (13) and turn clutch plate (10) clockwise 30° (one hole). Occasionally it may take one more hole, another 30° to tighten clutch properly.

When clutch is disengaged clutch pressure ring (5) is moved toward transmission (1). Steel balls move to larger inside diameter of clutch pressure ring, which releases clutch.

To tighten, remove two outer hex bolts in clutch adjusting ring, rotate clutch plate 30° (one hole) clockwise, while holding clutch adjusting ring stationary.

If clutch plate turns hard insert drive lug of 1/2" socket wrench in square hole in center of adjusting ring, which will hold ring while turning clutch plate. Replace two hex bolts and tighten securely.

another free manual from www.searctractormanuals.com

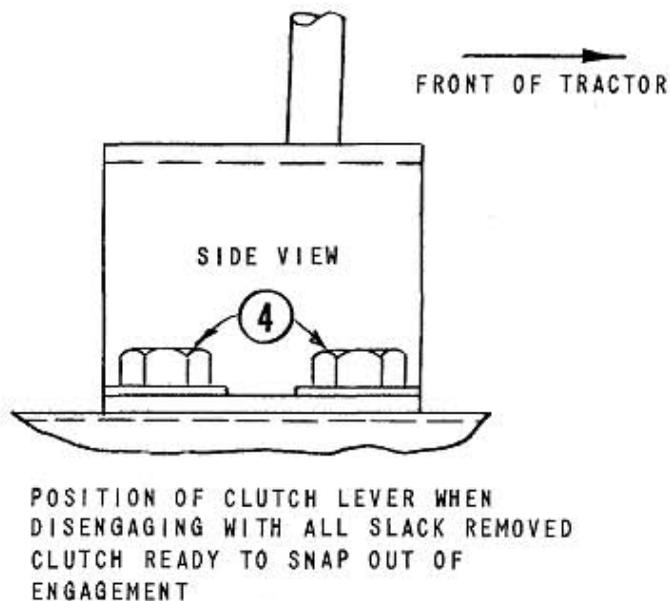
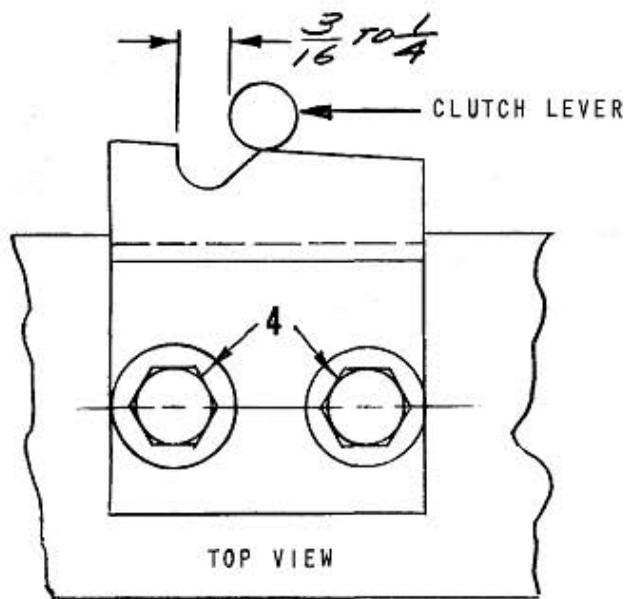


FIGURE F

ADJUST CLUTCH LEVER LOCK:

After clutch throwout plate and clutch have been adjusted properly, as per instructions above, adjust clutch lever lock.

The clutch lever lock is adjustable both forward, backwards and sideways. Loosen the two cap screws (4) as shown in Figures F and C and move clutch lever lock so the clutch lever is 3/16" to 1/4" from back lug of lever lock, when clutch lever is pulled back (all slack removed) but not disengaged. Mark this position on belt guard, then disengage clutch. Move clutch lever lock to the left on the mark made on belt guard. When properly located, clutch lever is held in notch of clutch lever lock, and it is necessary to force clutch lever to the left to pull back into reverse. Tighten two nuts securely. Check to see if clutch engages and disengages.

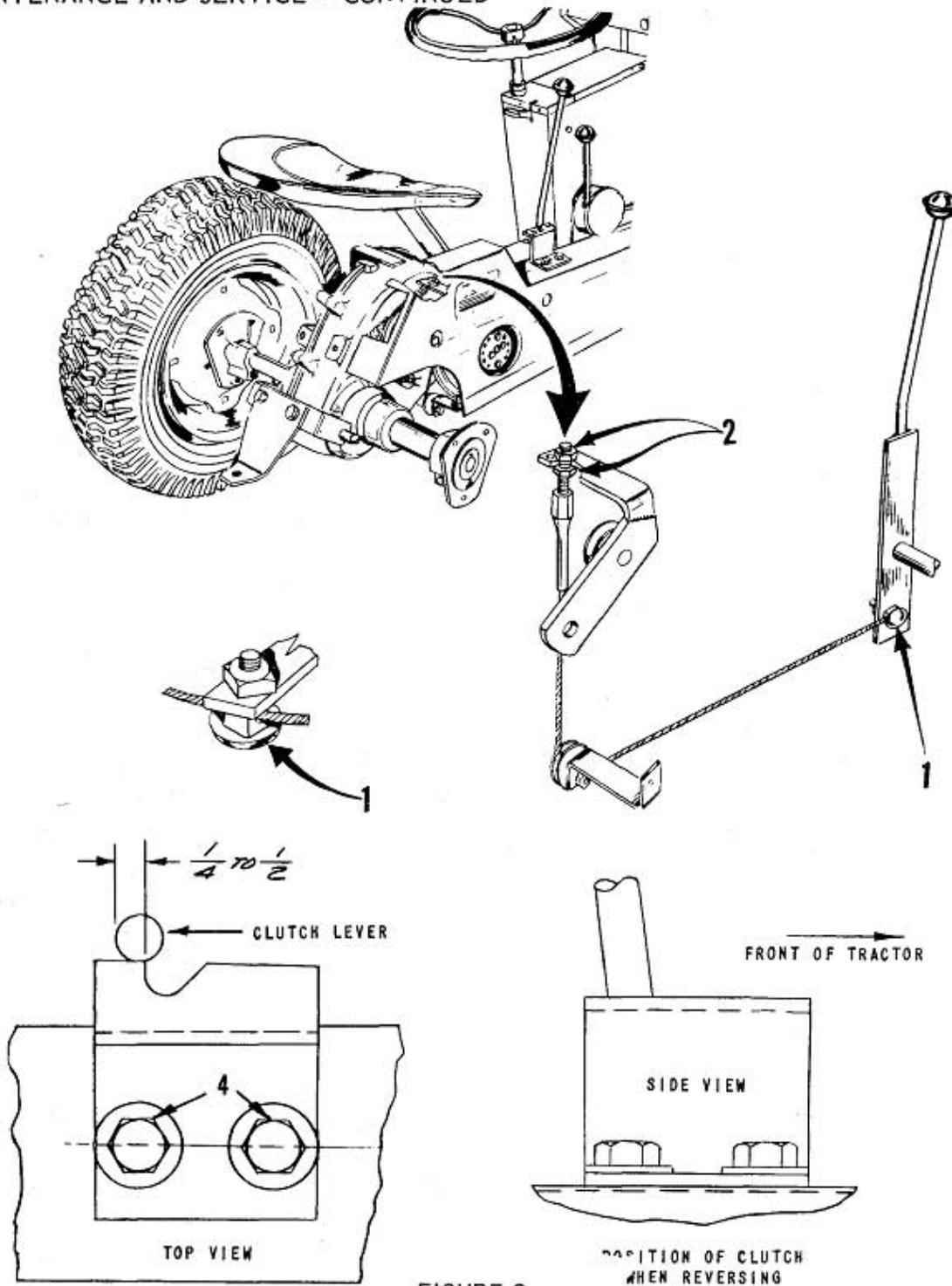


FIGURE G

REVERSE ADJUSTMENT:

1. Adjust cable so that clutch lever is approximately $\frac{1}{4}$ " to $\frac{1}{2}$ " past rear of notch in clutch lever lock, when tractor is reversing. See insert. There are two places for adjusting cable, one is located at bottom of clutch lever. It is fastened to the clutch lever by a drilled bolt. Loosen nut on bolt and adjust cable as mentioned above. Retighten nut.

IMPORTANT: Do not tighten nut too tightly to damage cable.

2. A finer adjustment can be made at the point where the cable fastens to the flanged bearing on arm. This end is threaded and adjustment is made by moving jam nuts up or down as necessary on threaded area.

NOTE: If clutch lever is difficult to hold in reverse, shorten cable adjustment.

MAINTENANCE AND SERVICE -- CONTINUED

ADJUST BRAKE:

1. Remove two screws holding cover and remove cover.
2. Tighten nut until brake band is snug on brake drum and latch is locked in middle notch - foot pedal travel approximately 2-3/4 inches.
3. Replace cover.

SEAT:

The seat has two positions. For a person with long legs, assemble seat in the rear hole of the seat spring. Another hole 2-1/2 inches forward in the seat spring for shorter legs.

WHEEL ADJUSTMENT:

The front wheels are not adjustable and wheel tread is 28 inches (tire center to tire center).

The rear wheel tread can be adjusted from 25" to 28" (center to center). To adjust the rear wheel tread, loosen cap screw on inside of hub. If hubs are difficult to move on axle, a chisel can be driven in slot of the hub for easier adjustment on axle.

PARTS LIST

SEARS SUBURBAN TRACTOR

MODEL NUMBER 917.60644, 917.60645, OR 917.60646

The above number is the Model Number of Your Sears Suburban Tractor. It will be found on a plate attached to the side of the transmission. Always mention the Model Number of your Tractor when communicating with us or when ordering repair parts.

HOW TO ORDER REPAIR PARTS:

All parts listed herein may be ordered through Sears, Roebuck and Co. or Simpsons-Sears Limited. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER -- 917.60644, 917.60645, OR 917.60646
4. The NAME of Implement -- ISUBURBAN TRACTOR.

Each part has been given a Key Number which is used only as a key to find the part number. Do not use the Key Number when ordering repair parts.

Cotter pins and lockwashers of standard dimensions do not carry part numbers. When these standard items are needed in service they should be purchased at the nearest Sears, Roebuck and Co. or Simpsons-Sears Limited store or from a local hardware store.

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|---|---------|-----------|---|
| 1 | 606A231 | Fenders, Complete | 21 | 04600416 | Bolt, Finished Hex, Heat Treated 1/4-20UNC x 1 |
| 2 | 04010818 | *Bolt, Finished Hex 1/2 x 1 1/4 ASRU - 13 NC | 22 | 3487H | Clutch Adjusting Ring |
| 3 | 10020800 | *Washer, Lock 1/2 | 23 | 4865M | Groove Pin |
| 3A | 10030600 | *Washer, Lock 3/8 | 24 | 3491H | Clutch Plate |
| 4 | 04010620 | *Bolt, Finished Hex 3/8 x 1-3/8 - 16 UNC | 25 | 9552M | Clutch Facing |
| 5 | 4176H1 | Belt Guard Support, Rear | 26 | 606A82 | Transmission Pulley (Inc. Key No. 25) |
| 6 | 1284H | Wheel Hub, L.H. | 27 | 9551M | Bearing |
| 7 | 4700A | Square Key, 1/4 | 28 | 03060400 | *Nut, Hex Jam 1/4 ASF - 28 UNF |
| 8 | 606A201 | Transmission | 29 | 606A155A | Flanged Bearing and Arm |
| 9 | 1249H1 | Drawbar | 30 | 606A86 | Idler Sheave and Bearing |
| 10 | 463H | Idler Arm Pivot Shaft | 31 | 3927H | Spring |
| 11 | 06010614 | *Cotter, 3/16 x 7/8 | 32 | 06010410 | Cotter, 1/8 x 5/8 |
| 12 | 4700A | Square Key, 1/4 | 33 | 9462M | Spring |
| 13 | 4968H | Grease Fitting | 34 | 606A214 | Idler Arm and Shaft |
| 14 | 1283H | Wheel Hub, R.H. | 35 | 1310H | Bearing |
| 15 | 1258H | Pulley Bracket | 36 | 1317H | Cable and Terminal |
| 16 | 1217H | Pulley | 37 | 05080408 | Brass Tubular Rivet, #4 x 1/2 |
| 17 | 9833E | Bushing | 38 | 3485H | Adjusting Sleeve |
| 18 | 09131316 | *Washer, Flat 13/32 x 13/16 x 16 Ga. | 39 | 1304H | Hub Bolt, Cad. Plated |
| 19 | 4175H | Belt Guard Bracket, Rear | 40 | 1297H1 | Wheel |
| 20 | 10030400 | *Washer, Lock 1/4 | 41 | 5808H | Tire, 750-12 - 2 Ply Turf Saver Tire |
| | | | 42 | 5821H | Tub, 750-12 - Straight Valve Stem |
| | | | 43 | 9473M | Retaining Ring |
| | | | 44 | 6855M | Grease Fitting |
| | | | --- | 917.60644 | |
| | | | | 917.60645 | |
| | | | and | 917.60646 | Operating Manual and Parts List |

*Standard Hardware Item -- May Be Purchased Locally

For Illustration -- See Page 14.

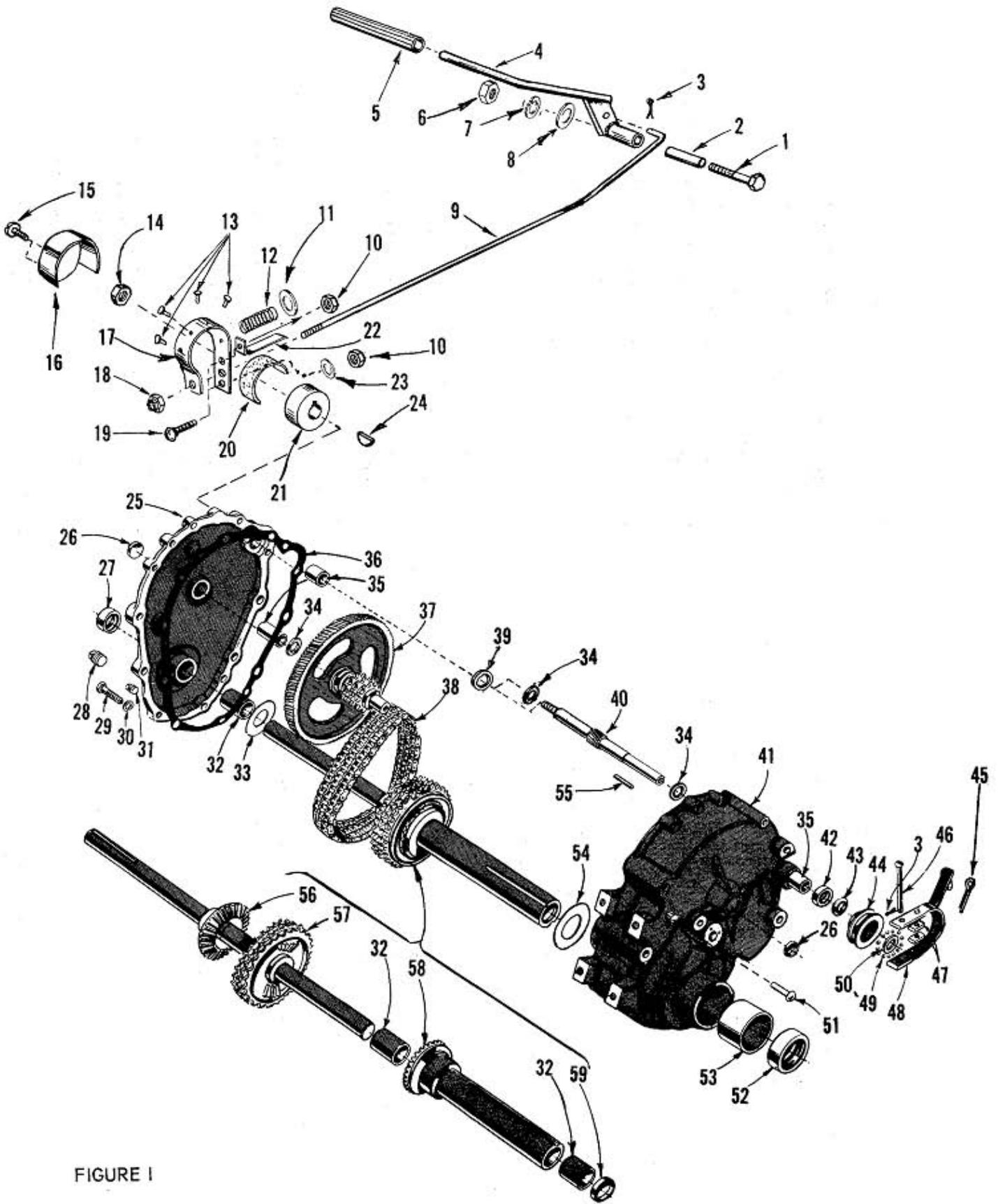


FIGURE I

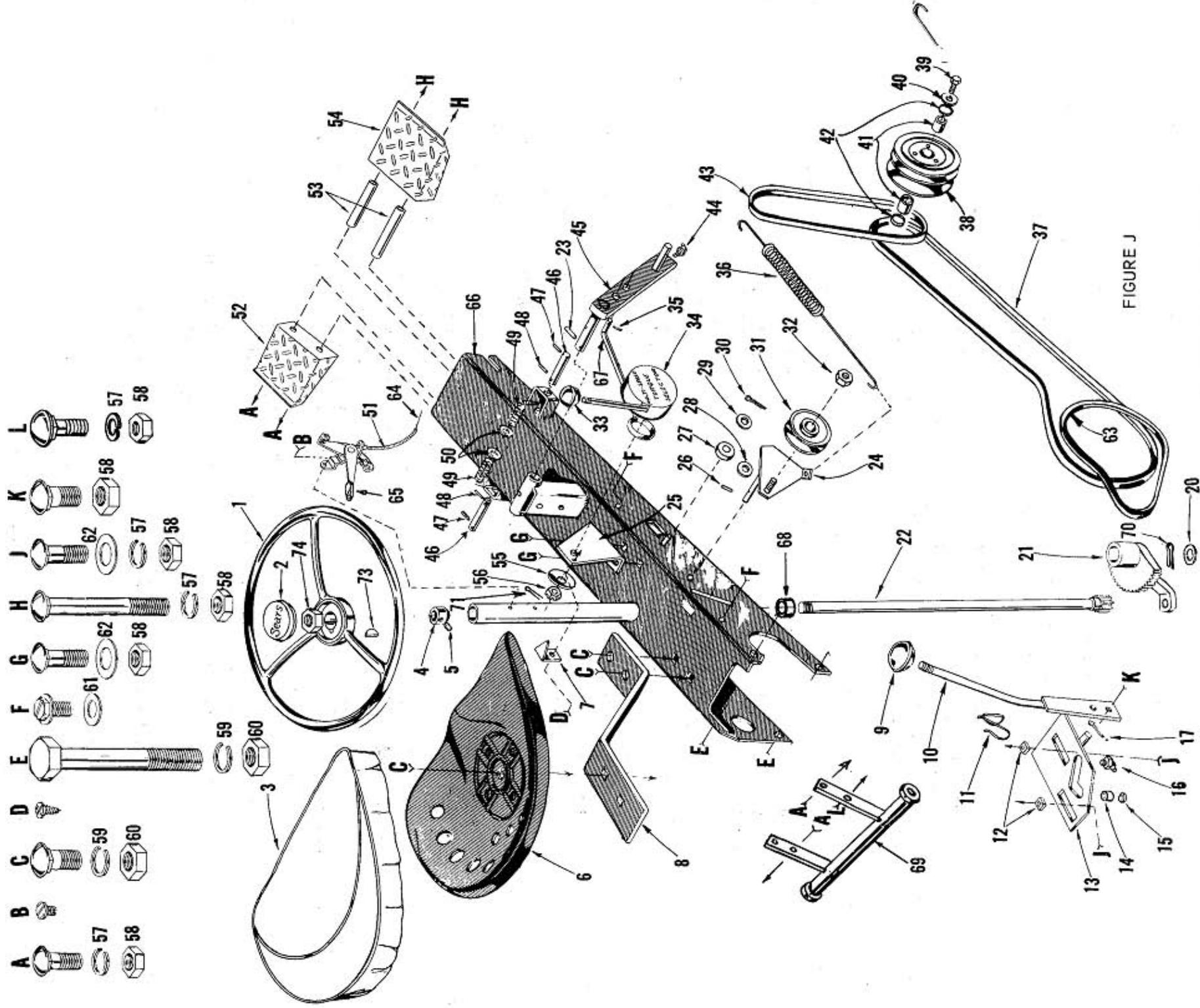
For Parts List -- See Page 17.

PARTS LIST

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|---|---------|----------|--|
| 1 | 04600535 | Bolt, Finished Hex Heat Treated 5/16-18UNC x 2½ | 27 | 4280M1 | Oil Seal |
| 2 | 4237H | Bushing | 28 | 13020400 | *Plug, Standard Pipe ½ - 14 N.P.T. (Filler) |
| 3 | 06010308 | *Cotter, 3/32 x ½ | 29 | 04010622 | *Screw, Hex Head Cap 3/8 x 1-3/8 - 16 UNC |
| 4 | 606A211 | Brake Pedal and Bushing | 30 | 10030600 | *Washer, Lock 3/8 |
| 5 | 4243H | Pedal Cover | 31 | 13020200 | *Plug, Standard Pipe ¼ - 18 N.P.T. (Drain) |
| 6 | 03220500 | *Nut, Hex 5/16 - 18 UNC ASF | 32 | 509H | Bearing |
| 7 | 10030500 | *Washer, Lock 5/16 | 33 | 1302H | Gear Cover Thrust Washer |
| 8 | 09111116 | *Washer, 11/32 x 11/16 x 16 Ga., Cad. Plated | 34 | 498H | Thrust Washer |
| 9 | 4240H1 | Brake Rod | 35 | 4276M | Bushing |
| 10 | 03220500 | *Nut, Hex ¼ - 20 UNC ASF Cad. Plated | 36 | 1312H | Gasket |
| 11 | 19111118 | *Washer, 11/32 x 11/16 x 18 Ga., Cad. Plated | 37 | 575PA825 | Intermediate Shaft, Gear and Sprocket |
| 12 | 4199H | Spring | 38 | 501H | Chain |
| 13 | 05080404 | Rivet, Brass Tubular | 39 | 4200H | Oil Seal |
| 14 | 03300800 | *Nut, Hex Jam ½ - 20 UNF ASF | 40 | 4201H | Input Pinion |
| 15 | 17841006 | *Screw, Pan Head Slotted Self Tapping #10 x 3/8 Type B, Cad. Plated | 41 | 606A88 | Gear Case and Bushing |
| 16 | 4259H | Brake Cover | 42 | 4279M1 | Oil Seal |
| 17 | 606A209 | Brake Band and Lining | 43 | 7393M | Clutch Thrust Collar |
| 18 | 319H | Huglock Nut | 44 | 7394M | Clutch Pressure Ring |
| 19 | 02230405 | *Bolt, Square Neck Carriage ¼ - 20 UNC x 5/8 Cad. Plated | 45 | 06010614 | *Cotter, 1/8 x 5/8 |
| 20 | 4202H | Brake Lining | 46 | 4306M | Rivet, Drilled R.H. |
| 21 | 4191H | Brake Drum | 47 | 8753M | Clutch Shift Blocks |
| 22 | 4241H | Brake Latch | 48 | 606A57 | Clutch Throwout Weldment |
| 23 | 19091016 | *Washer, 9/32 x 5/8 x 16 Ga., Cad. Plated | 49 | 7392M | Steel Balls, (11 Req.) |
| 24 | 9858M1 | Woodruff Key | 50 | 9553M | Clutch Pressure Washer |
| 25 | 606A200 | Gear Case Cover and Bushing | 51 | 1305H | Drive Stud, Round Head |
| 26 | 2103M | Metal Plug | 52 | 511H1 | Oil Seal |
| | | | 53 | 508H | Bearing |
| | | | 54 | 1303H | Gear Case Thrust Washer |
| | | | 55 | 4275M | Dowel Pin |
| | | | 56 | 575PA826 | Axle and Gear |
| | | | 57 | 606A77 | Sprocket and Pinions |
| | | | 58 | 606A80 | Axle Tube and Bearings |
| | | | 59 | 479H | Metal Plug |

*Standard Hardware Item --
may be purchased locally.

For Illustration -- See Page 16.

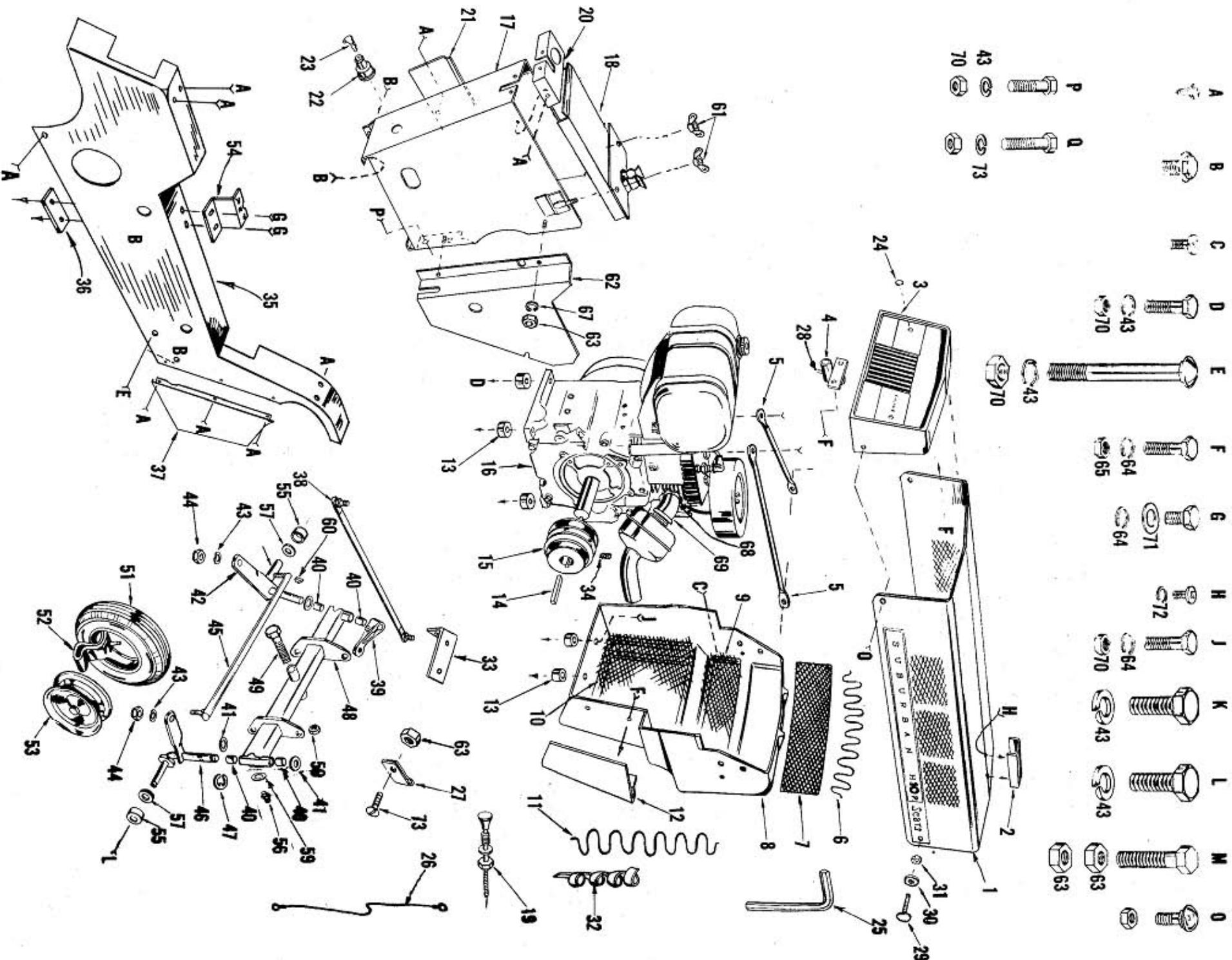


PARTS LIST

| Key No. | Part No. | Description | Key No. | Part No. | Description |
|---------|----------|---|---------|----------|--|
| 1 | 5816H | Steering Wheel | 46 | 1202H | Latch Pin |
| 2 | 5817H | Decorative Insert | 47 | 9465M | Roll Pin |
| 3 | 5818H | Seat Pad | 48 | 407H | Roll Pin |
| 4 | 5757H | Steering Post Cap | 49 | 1300H | Spring |
| 5 | 04250505 | *Screw, Hex Socket Headless Set C.P. 5'16-18 UNC x 5'16 | 50 | 08171713 | *Washer, Flat 17'32 x 1-1'16 x 13 Ga. |
| 6 | 1199M | Seat | 51 | 5796H | Throttle Control Wire Cover |
| 7 | 4217H | Speed Indicator | 52 | 4748H1 | Foot Rest, L.H. |
| 8 | 5754H | Seat Spring | 53 | 4170H | Foot Rest Support |
| 9 | 9439M | Control Knob | 54 | 4747H | Foot Rest, R.H. |
| 10 | 606A224 | Clutch Lever | 55 | 7914M | Spring Washer |
| 11 | 1590H | Clutch Lever Spring | 56 | 03370800 | *Nut, Hex Slotted 1/2 x 13UNCc ASF |
| 12 | 1219H | Guide Block | 57 | 10030600 | *Washer, Lock 3'8 |
| 13 | 606A58A | Clutch Throwout Plate and Pin | 58 | 03030600 | *Nut, Hex 3'8-16UNC |
| 14 | 1205H | Clutch Throwout Roller | 59 | 10020800 | *Washer, Lock 1/2 |
| 15 | 09141614 | *Washer, Flat 7'16 x 1 x 14 Ga. | 60 | 03030800 | *Nut, Hex 1/2 x 13 NC |
| 16 | 4967H | Grease Fitting | 61 | 90991016 | *Washer, Flat 9'32 x 5'8 x 16 Ga. |
| 17 | 06010614 | *Cotter, 3'16 x 7'8 | 62 | 09131316 | *Washer, Flat 13'32 x 13'16 x 16 Ga. |
| 20 | 09262014 | *Washer, Flat 13'16 x 1 1/4 x 14 Ga. | 63 | 3496H | V-Belt |
| 21 | 606A220 | Steering Gear Sector and Arm | 64 | 5795H | Throttle Control Wire |
| 22 | 606A309 | Steering Shaft and Pinion | 65 | 5866H | Throttle Control Lever |
| 24 | 606A212 | Belt Tightener | 66 | 606A312 | Frame Weldment with Bearing |
| 25 | 606A203 | Speed Changer Bracket and Stop | 67 | 4193H | Push Rod |
| 26 | 173H | Roll Pin | 68 | 4766H | Bearing |
| 27 | 3926H | Rubber Bushing | 69 | 606A288 | Hanger Rear |
| 28 | 08182212 | *Washer, 9'16 x 1-3'8 x 12 Ga. | 70 | 06010820 | Cotter Pin 1/4 x 1 1/4 |
| 29 | 09091016 | *Washer, Flat 9'32 x 5'8 x 16 Ga. | 71 | 06010416 | Cotter Pin 1'8 x 1 |
| 30 | 06010308 | *Cotter, 3'32 x 1/2 | 73 | 9858M1 | Woodruff Keg |
| 31 | 4178H | Flat Idler | 74 | 03290800 | Hex Nut 1'2-20 UNF |
| 32 | 03030700 | *Nut, Hex 7'16-14UNC ASF | A | 02460608 | *Bolt, Sq. Neck Carriage 3/8-16 UNC x 1, Short Shoulder |
| 33 | 9439M | Control Knob | B | 17161004 | *Screw, Truss Head Thread Cutting - Type 1 #10 - 24 UNC x 1/4, Cad. Plated |
| 34 | 606A204 | Lever and Cover | C | 02010808 | *Bolt, Sq. Neck Carriage 1/2-13 UNC x 1 |
| 35 | 172H | Roll Pin | D | 17841006 | *Screw, Slotted Self-Tapping Pan Head #10 x 3/8 Type B, Cad. Plated |
| 36 | 4179H | Spring | E | 98000048 | *Bolt, Finished Hex 1/2 x 13 UNC x 6 1/2 |
| 37 | 1323H | V-Belt | F | 17240408 | *Screw, Slotted Hex Washer Head Thread Cutting, Type 1- 1/4-20 UNC x 1/2 Cad. Plated |
| 38 | 575PA820 | Speed Changer and Bearing | G | 02010606 | *Bolt, Sq. Neck Carriage 3/8-16 NC x 3/4 |
| 39 | 04010408 | *Bolt, Finished Hex 1/4-20UNC x 1/2 | H | 02010632 | *Bolt, Sq. Neck Carriage 3/8-16 UNC x 4 |
| 40 | 3340H | *Washer, Flat 5'16 x 1 x 16 Ga. Heat Treated | J | 2052H | Bolt, Sq. Neck Carriage Heat Treated |
| 41 | 9437M | Needle Bearing, Torrington B 95 | K | 1274H | *Bolt, Drilled Sq. Neck Carriage |
| 42 | 9438M | Oil Seal | | | |
| 43 | 1322H | V-Belt | | | |
| 44 | 4646H | Grease Fitting | | | |
| 45 | 606A76A | Changer Arm and Shaft | | | |

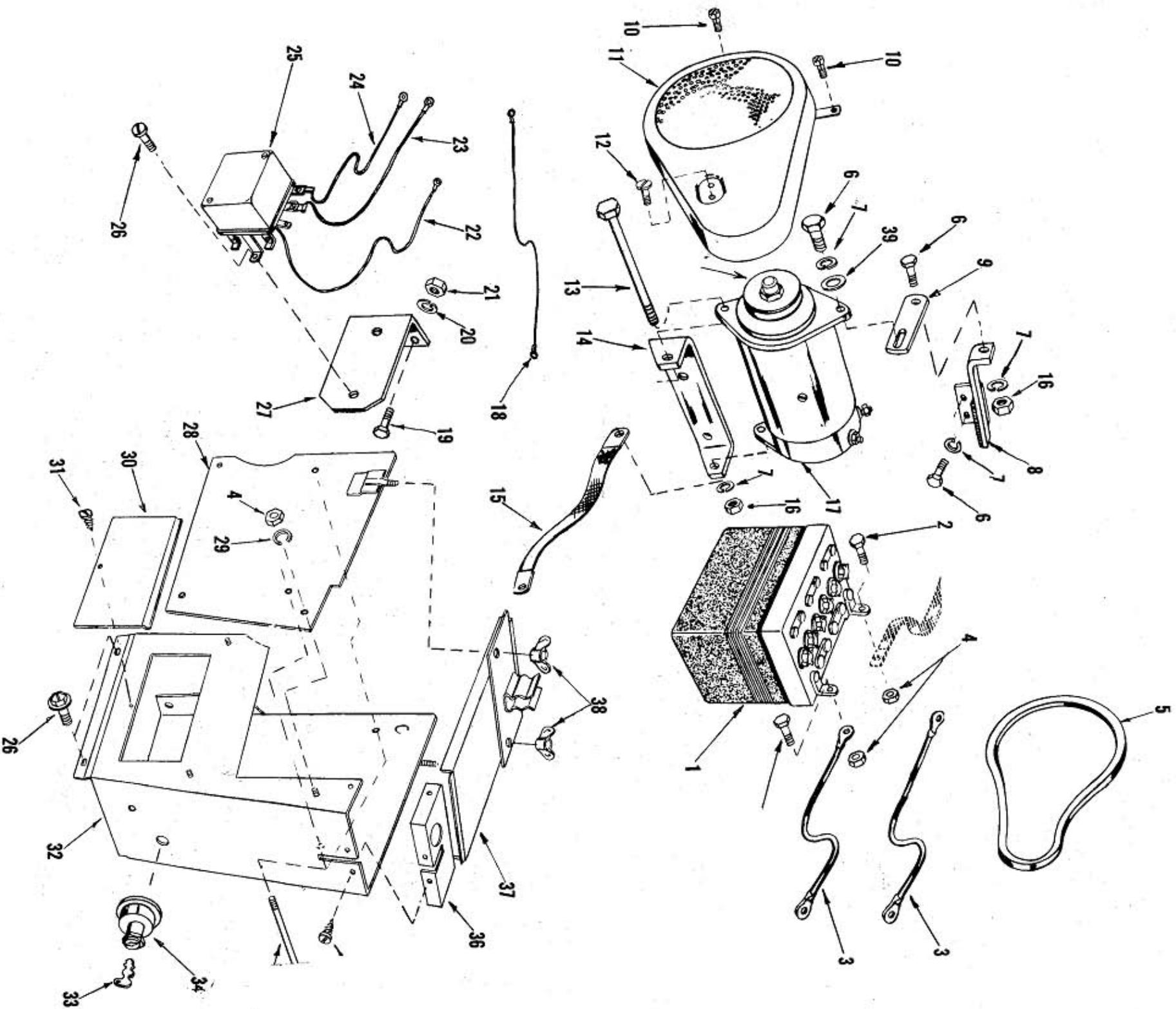
For Illustration -- See Page 18

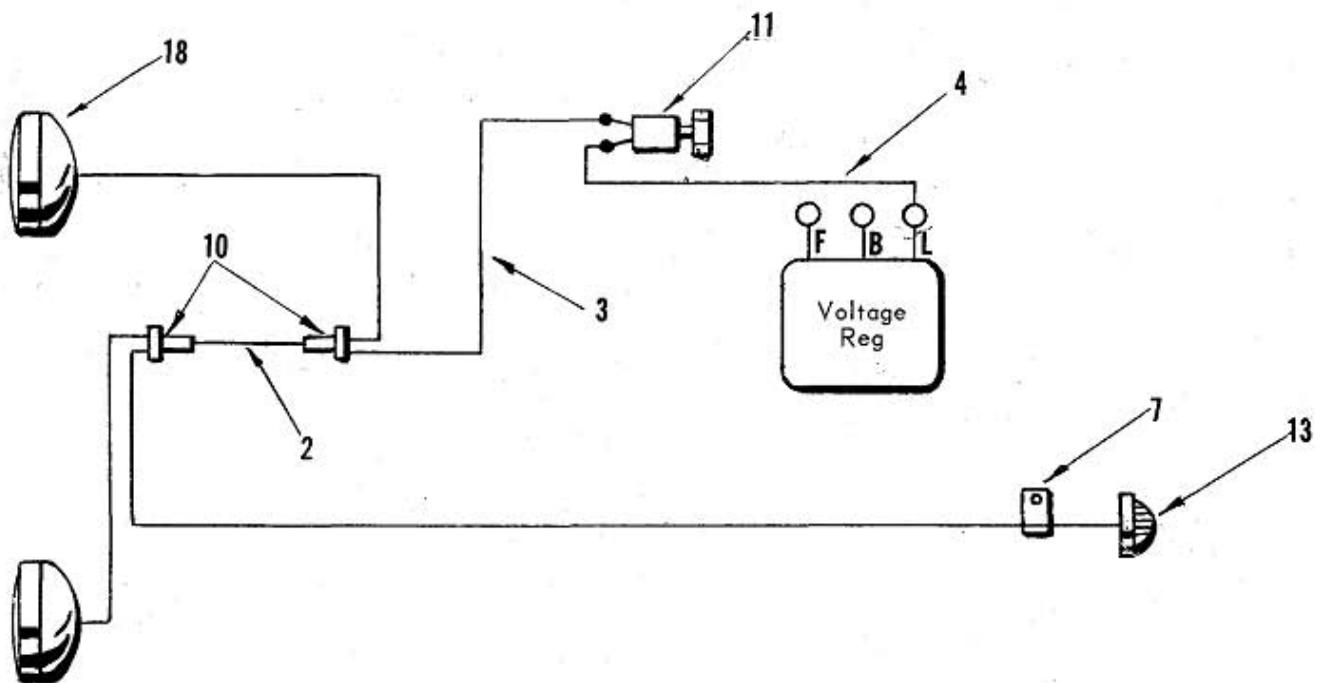
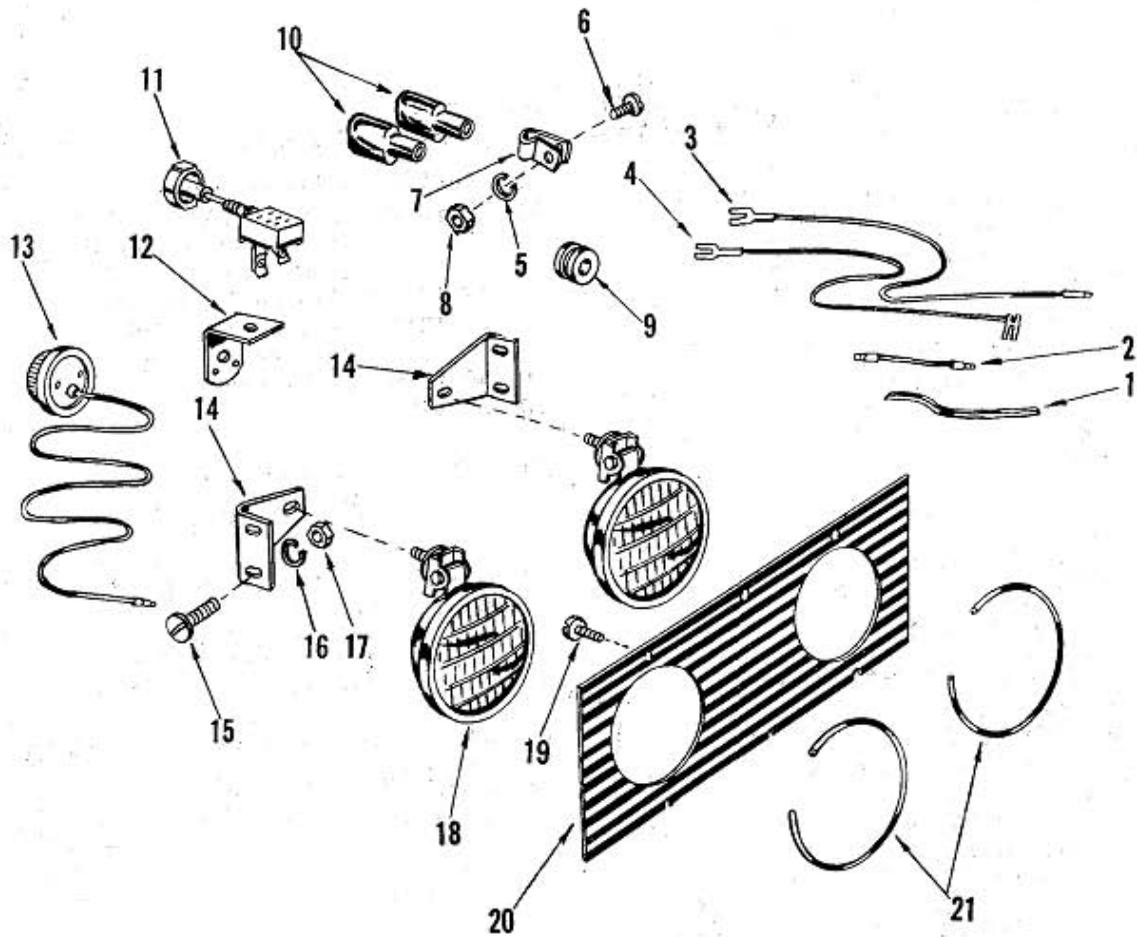
*Standard Hardware Item -- may be purchased locally.



SEARS SUBURBAN TRACTOR -- MODEL NUMBERS 917.60644, 917.60645 AND 917.60646

| Key No. | Part No. | Description | Key No. | Part No. | Description |
|---------|----------|---|---------|----------|---|
| 1 | 606A307 | Cowling Top and Brackets | 44 | 03290600 | Nut Hex 3/8-24UNF |
| 2 | 5783H | Hood Ornament | 45 | 4761H | Tie Rod And Joints |
| 3 | 5789H | Dash Board | 46 | 606A217 | Spindle R.H. Complete |
| 4 | 606A315 | Lock Tube and Bracket | 47 | 52913 | E Ring .514 x 1.120 x .050 |
| 5 | 5787H | Grill Frame Brace | 48 | 606A226 | Front Axle With Bearing |
| 6 | 3662H | Grill Retainer | 49 | 04011072 | Bolt Finished Hex 5/8 - 11unc x 4 1/2 |
| 7 | 5780H | Grill Front - Upper | 50 | 4764H | Nut Huglock 5/8 - 11 unc |
| 8 | 5788H | Grill Frame | 51 | 3661H | Tire 4.00x8 |
| 9 | 5807H | Grill Panel | 52 | 338H | Inner Tube 4.00x8 |
| 10 | 5781H | Grill Front - Lower | 53 | 626H62 | Front Wheel |
| 11 | 5794H | Lower Grill Retainer | 54 | 4174H | Clutch Lever Bracket |
| 12 | 5790H | Grill Frame Side | 55 | 1254H | Dust Cap Outer |
| 13 | 5756H | Engine Mount Spacer | 56 | 6855M | Grease Fitting |
| 14 | 9396E | Square Key 1/4" | 57 | 09132507 | Washer Flate 13/32 x 1 9/16 x 7/8 |
| 15 | 606A321 | Enqine Pully And Set Screw | 59 | 09090814 | Washer 9/32 x 1.2 x 14 Ga. |
| 16 | | Lausan Engine HH80 12V Starter | 60 | 9943M | Woodruff Key |
| 16 | | Lausan Engine HH80 Recoil | 61 | 3749M | Wing Nut |
| 16 | | Lausan Engine HH100 12 V Starter | 62 | 5766H | Sheild R.H. |
| 17 | 606A322 | Battery Housing Assembly | 63 | 0320400 | Hex Nut 1/4 - 20unc |
| 18 | 606A316 | Battery Cover Assembly | 64 | 10030500 | Lock Washer 5/16 |
| 19 | 2905H | Choke Control | 65 | 03030700 | Nut Hex 5/16 - 18unc |
| 20 | 4737H1 | Battery Housing Cover Rear | 66 | 09121414 | Washer 3/8 x 7/8 x 14 Ga. |
| 21 | 4738H | Battery Housing Cover Side | 67 | 10040400 | Lock Washer 1/4 |
| 22 | 5798H | Ignitian Switch | 68 | 98000063 | Standard Conduit Lock Nut 1-11-1/2 Thread |
| 23 | 5913H | Key Set | 69 | 13130800 | 450 Sheet Elbow 1-11-1/2 Thread |
| 24 | 2987H | Plug Button | 70 | 03030600 | Nut Hex 3/8-16 unc |
| 25 | 7755E | Allen Set Screw For 5/16 Set Screw | 71 | 09121414 | Washer 3/8x7/8x14 |
| 26 | 2802H | Shorting Wire | 72 | 10070800 | Lock Washer #8 |
| 27 | 1697H | Chock Control Clip | 73 | 10030700 | Lock Washer 7/16 |
| 28 | 3656H | Roll Pin | 74 | 04670412 | Pan Hd Slotted Machine Screw 1/4-20uncx3/4 |
| 29 | 3578H | Cowling Pivot Bolt | A | 17841006 | Pan Head Slotted Self Tapping Screw #10x3/8 Type B |
| 30 | 19141607 | Washer Flat 7/16x1x7 Ga. Cad Pltd | B | 17240408 | Slotted Hex Washer HD Thread Rutting Screw Type 1 1/4-20uncx1 |
| 31 | 1685H | Lock Nut | C | 17161004 | Truss Hd Thread Rutting Screw Type 1 #10-24unc x 1/4 |
| 32 | 3498H | Tie | D | 04010640 | Finished Hex Bolt 3/8-16unc x 2 1/2 |
| 33 | 5771H | Guard Bracket Front | E | 02010632 | Sq Neck Carriage Bolt 3/8-16uncx4 |
| 34 | 04250510 | Set Screw, Hex Socket Headers 15/16 -18unc x5/8 | F | 04760512 | Finished Hex Bolt 5/16 -18unc x3/4 |
| 35 | 606A308 | Belt Guard Complete | G | 04010508 | Finished Hex Bolt 5/16 -18unc x 1/2 |
| 36 | 4168H | Lock Plate | H | 17540806 | Truss Head Cross Recess Machine Screw #8-32uncx3/8 |
| 37 | 606A228 | Belt Guard ; Front And Mounting Strip | J | 04760536 | Finished Hex Bolt 5/16 -18unc' 2 1/4 |
| 38 | 4762H | Drag Link And Joints | K | 04850616 | Finished Hex Bolt 3/8-16unc x 1 L.H. Thread |
| 39 | 4759H | Drag Link Arm | L | 04010616 | Finished Hex Bolt 3/8-16unc x 1 R.H. Thread |
| 40 | 1309H | Bearing | M | 21110432 | Finished Hex Bolt 1/4-20unc x 2 Full Thread |
| 41 | 09262014 | Washer 13/16 x 1-1/4x14Ga. | O | 02240405 | Sq. Carriage Neck Bolt 1/4-20unc x 5/8 Cad Pltd |
| 42 | 606A218 | Spindle L.H. Complete | P | 04010612 | Finished Hex Bolt 3/8-16unc x 3/4 |
| 43 | 10030600 | Washer Lock 3/8 | Q | 04010732 | Finished Hex Bolt 7/16 -14 unc x 2 |





For Parts List -- See Page 25

SEARS SUBURBAN TRACTOR -- MODEL NUMBERS 917.60644 AND 917.60646

| Key No. | Part No. | Description | No. Req'd | | Key No. | Part No. | Description | No. Req'd | |
|---------|----------|---|-----------|-----------|---------|----------|---|-----------|-----------|
| | | | 917.60644 | 917.60646 | | | | 917.60644 | 917.60646 |
| 1 | 1709H1 | Battery 12 Volt | 1 | 1 | 25 | 606A190 | Voltage Regulator | 1 | 1 |
| 2 | 04760412 | Finished Hex Bolt 1/4-20UNC x 3/4 | 2 | 2 | 26 | 17240408 | Slotted Hex Washer Head Thread Cutting Screw 1/4- 20UNC x 1/2 | 2 | 2 |
| 3 | 5799H | Battery Cable | 2 | 2 | 27 | 5774H | Regulator Support | 1 | 1 |
| 4 | 03220400 | Hex Nut 1/4-20UNC | 4 | 4 | 28 | 606A317 | Battery Housing Side Assembly | 4 | 4 |
| 5 | 3754H | V-Belt | 1 | 1 | 29 | 10040400 | Lockwasher 1/4" | 2 | 2 |
| 6 | 04010512 | Finished Hex Bolt 5/16-18UNC x 3/4 | 4 | 4 | 30 | 4738H | Battery Housing Cover Side | 1 | 1 |
| 7 | 10040500 | Lockwasher 5/16 | 4 | 4 | 31 | 17841005 | Pan Head Sloting Self Tapping Screw 10 x 3/8 Type B | 5 | 5 |
| 8 | 606A314 | Adjusting Bracket and Support | 1 | 1 | 32 | 606A313 | Battery Housing Assembly | 1 | 1 |
| 9 | 5759H | Generator Adjusting Strap | 1 | 1 | 33 | 5913H | Key Set | 1 | 1 |
| 10 | 0490406 | Pan Head Slotted Machine Screw 1/4- 28UNF x 3/8 | 2 | 2 | 34 | 5797H | Ignition And Starter Switch | 1 | 1 |
| 11 | 606A327 | Belt Guard Assembly | 1 | 1 | 35 | 04760492 | Finished Hex Bolt 1/4-20uncx5-3/4 | 2 | 2 |
| 12 | 04670412 | Pen Head Slotted Machine Screw 1/4-20UNC x 3/4 | 1 | 1 | 36 | 4737H | Battery Housing Cover Rear | 1 | 1 |
| 13 | 98000083 | Finished Hex Bolt 5/16-18UNC x 9 | 1 | 1 | 37 | 606A316 | Battery Cover Assembly | 1 | 1 |
| 14 | 5761H | Generator Mounting Bracket | 1 | 1 | 38 | 3749M | Wing Nut | 2 | 2 |
| 15 | 2016H | Ground Strip | 1 | 1 | 39 | 09121414 | Washer 3/8 x 7/8 14Ga. | 1 | 1 |
| 16 | 03220500 | Hex Nut 15/16 18unc | 2 | 2 | | | | | |
| 17 | 606A325 | Motor Generator | 1 | 1 | | | | | |
| 18 | 5806H | Ground Wire | 1 | 1 | | | | | |
| 19 | 04010612 | Finished Hex Bolt 3/8-16UNC x 3/4 | 2 | 2 | | | | | |
| 20 | 10040600 | Lock Washer 3/8 | 2 | 2 | | | | | |
| 21 | 03030600 | Hex Nut 3/8unc | 2 | 2 | | | | | |
| 22 | 5803H | Ground To Generator Wire | 1 | 1 | | | | | |
| 23 | 5805H | Battery Wire | 1 | 1 | | | | | |
| 24 | 5804H | Field Wire | 1 | 1 | | | | | |

For Illustration -- See Page 22