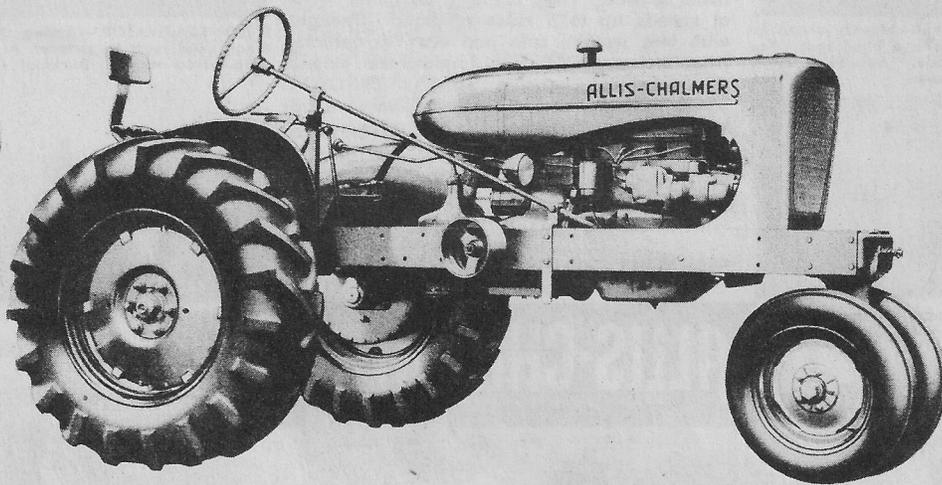


**PARTS BOOK  
AND  
OPERATING DIRECTIONS  
FOR  
ALLIS-CHALMERS  
MODEL  
WC  
TRACTOR**

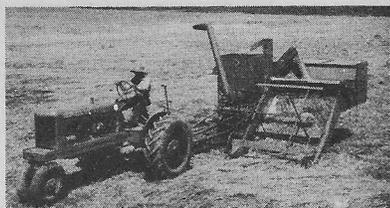


**ALLIS-CHALMERS MFG. CO.  
TRACTOR DIVISION  
MILWAUKEE, WISCONSIN  
U. S. A.**

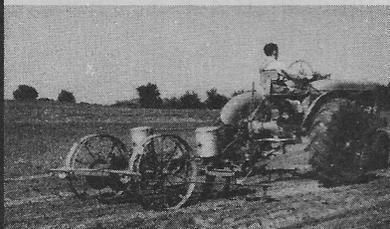
**FORM T465H 6-39**

**SERIAL 74330 AND UP**

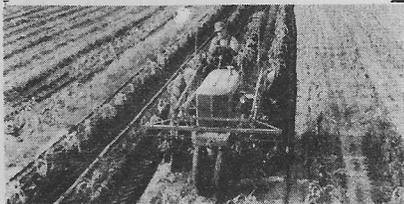
# UNLOCK YOUR STOREHOUSE OF FARM PROFITS



**MODEL 60 ALL-CROP HARVESTER**—No machine will ever pay for itself quicker on your farm. Cuts and threshes in one operation from WC power take-off. *No auxiliary motor needed.*



**CORN PLANTER**—Two-Row planter built to check or drill accurately at faster planting speeds.



**QUICK-HITCH CULTIVATOR** — Two-row with "live" power lift. You simply "drive in" to attach—takes 5 minutes or less.

## FOLLOW THE COMPLETE WC POWER SYSTEM

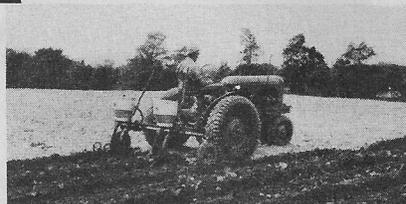
Your WC TRACTOR is virtually a storehouse of farm profits. Thousands of hours useful service . . . millions of pounds pull are stored inside its engine housing—waiting to earn cash for you!

Your problem is simply to unlock the storehouse and make use of the Power there. Allis-Chalmers makes it easy and profitable for you to do it by adopting the complete WC Power System with Allis-Chalmers Matched Implements.

You will find A-C implements built and balanced to take full advantage of your WC's faster power. They actually do better work at speeds up to 5 miles an hour! Stronger with less weight, safe and easy to operate, Allis-Chalmers Matched Implements extend the matchless benefits of WC TRACTOR power to every farm operation. They are the key to your storehouse of Better Living for you and your family!

**THE COMPLETE WC POWER SYSTEM DOESN'T COST . . . it Pays!**

SEE YOUR ALLIS - CHALMERS DEALER!



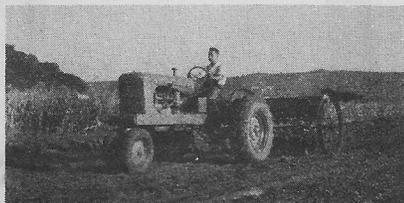
**BEDDERS, LISTERS**—Two-row Quick-Hitch Bedders and Corn Listers available with or without planting attachments.



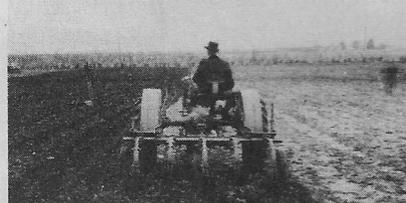
**FULL-VIEW SAFETY MOWER**—Mounts ahead of rear wheel—not behind you in a blind spot. You can't fall in front of sickle. Automatic safety clutch and cutter bar release.



**FIELD CULTIVATOR**—Spring teeth dig deep, drags weed roots to surface. A real machine for deep-rooted weeds. Duckfoot shovels available.



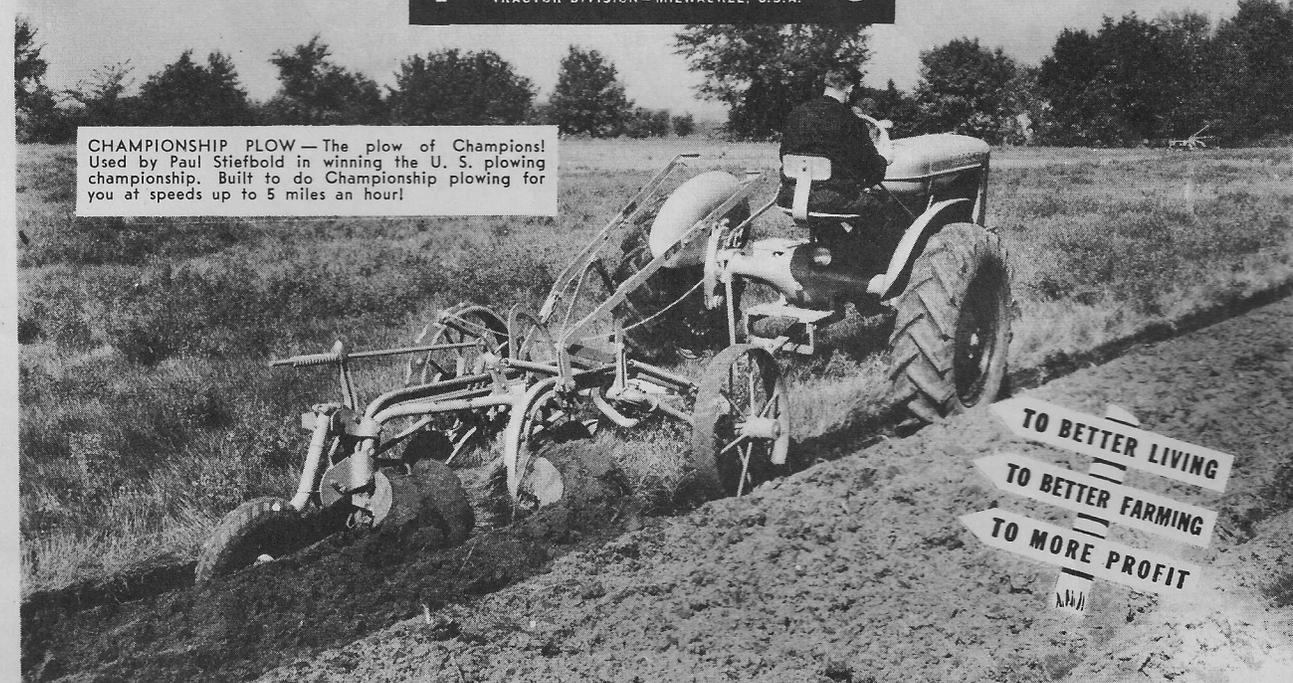
**STEEL HOPPER DRILL**—Precision Depth adjustment and fluted force feed. Seeds to an even depth at all times.



**BINDWEED CULTIVATOR**—Sweeps overlap, shear off bindweed roots beneath surface. Highly recommended by Kansas authorities.

# ALLIS-CHALMERS

TRACTOR DIVISION - MILWAUKEE, U.S.A.



**CHAMPIONSHIP PLOW**—The plow of Champions! Used by Paul Stiefbold in winning the U. S. plowing championship. Built to do Championship plowing for you at speeds up to 5 miles an hour!

TO BETTER LIVING  
TO BETTER FARMING  
TO MORE PROFIT

TELEGRAPHIC CODE

For convenience and economy when ordering parts by telegram, code words may be used for each part number. This code is made up of a combination of letters least likely to be mixed in sending. The figures are represented by the letters set opposite below.

1 - A	4 - K	7 - Q
2 - B	5 - M	8 - W
3 - J	6 - N	9 - X
		Hyphen (-) - Z
0 - Y		

Thus, Part No. 35252 would be transmitted as five separate words (three, five, two, five, two), whereas, by the use of the code, the number would be transmitted as one word (JMBMB). Wherever letters of the alphabet appear in a part number, use the hyphen (code letter Z) to separate the prefix or suffix from the numerals. Example: UCL-12-1244 would read UCLZABZABKK. Do not order parts by code unless the order is sent by telegram.

In sending wire orders where code words are used, it is important that a one-word description of the part wanted be specified after each code word. Example: JMBMB Gasket. In the event the message is received with incorrect code, it will help us to ascertain the part actually required. Confirm each telegraphic order by mail in order that it may be checked, and if not correctly transmitted, the error detected.

Shipping or other instructions in the body of a telegram which normally consist of many words, can be condensed into one by the use of the proper code word as given below.

AIRYX	-- Ship by air express
SONST	-- Ship to me (us) by express
SOOTY	-- Ship by express to
SOYON	-- Ship to me (us) by mail
SOBOS	-- Ship by mail to
SORAT	-- Ship to me (us) by freight
SAPAT	-- Ship by freight to
SPLAT	-- When and how did you ship parts on my (our) order
SPATS	-- When and how will you ship parts on my (our) order
STAUB	-- Cancel my (our) parts order
STUFE	-- Add to my (our) parts order
SOMOR	-- Duplicate shipment of my (our) order

IMPORTANT

To obtain parts promptly, give name and part number.

Order parts from the dealer for your territory.

Be particular to state post office address, town, county, and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Confirm all telephone or telegraph orders in writing.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company, from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers Manufacturing Company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so, without incurring the obligation of installing such changes on units already delivered.

I N D E X   O F   A S S E M B L I E S

<u>N A M E</u>	<u>P A G E</u>
AIR CLEANER . . . . .	23
BELT PULLEY . . . . .	36
CAMSHAFT . . . . .	16
CARBURETOR . . . . .	20
CARBURETOR PARTS . . . . .	21
CLUTCH HOUSING AND CLUTCH . . . . .	29
CONNECTING ROD . . . . .	13
CRANKSHAFT AND FLYWHEEL . . . . .	16
CRANKSHAFT EXCHANGE . . . . .	15
CYLINDER BLOCK . . . . .	15
CYLINDER HEAD AND VALVE . . . . .	17
DRAWBAR . . . . .	43
DRIVER'S SEAT . . . . .	43
ELECTRIC STARTER AND LIGHTING . . . . .	45
FAN . . . . .	19
FRAME . . . . .	36
FRONT SUPPORT AND SPINDLE . . . . .	27
FUEL TANK . . . . .	41
GEAR COVER . . . . .	18
GOVERNOR . . . . .	25
GOVERNOR CONTROL . . . . .	37
LUBRICATION GUN PARTS . . . . .	55
MAGNETO AND GOVERNOR . . . . .	25
MANIFOLD AND CARBURETOR . . . . .	20
OIL FILTER . . . . .	23
OIL PUMP . . . . .	22
OIL SUMP . . . . .	20
PISTON . . . . .	13
PLATFORM AND DRAWBAR . . . . .	43
POWER LIFT . . . . .	47
POWER TAKE-OFF . . . . .	49
RADIATOR . . . . .	25
REAR AXLE . . . . .	34, 35
SEAT AND TOP CANOPY . . . . .	51
STEERING WHEEL SHAFT AND SUPPORT . . . . .	37
TOOLS AND PAINT . . . . .	47
TRANSMISSION . . . . .	31
WATER PUMP AND FAN . . . . .	19
WIDE FRONT AXLE - STEEL WHEEL . . . . .	53, 54
WHEELS . . . . .	39
WHEEL - AIR TIRED FRONT . . . . .	54
WHEEL - SINGLE FRONT . . . . .	51
WHEEL GUARD . . . . .	43
WHEEL WEIGHTS . . . . .	41

I M P O R T A N T

WHEN ORDERING REPAIR PARTS BE SURE TO GIVE BOTH ENGINE NUMBER AND TRACTOR SERIAL NUMBER. ENGINE NUMBER IS LOCATED ON LEFT HAND SIDE OF MOTOR BLOCK DIRECTLY TO THE REAR OF THE CARBURETOR. TRACTOR SERIAL NUMBER IS LOCATED ON THE REAR SIDE OF DIFFERENTIAL HOUSING NEAR OIL FILLER PLUG.

THE ABOVE INFORMATION IS ESSENTIAL TO OBTAIN CORRECT REPAIR PARTS.

G E N E R A L

ALL TRACTORS ARE THOROUGHLY TESTED BEFORE LEAVING THE FACTORY. NEVERTHELESS THEY REQUIRE ATTENTION ON THE PART OF OWNERS. THE AMOUNT OF ATTENTION REQUIRED IS NEGLIGIBLE BUT IMPORTANT.

IN THE FOLLOWING INSTRUCTIONS AN EFFORT HAS BEEN MADE TO COVER POINTS NECESSARY TO HELP YOU IN CARING FOR THE OPERATION OF YOUR TRACTOR IN AN UNDERSTANDABLE MANNER. FOR FURTHER INFORMATION, SEE YOUR LOCAL ALLIS-CHALMERS DEALER.

## SPECIFICATIONS

### MOTOR

Make . . . . .	Own
Bore . . . . .	4"
Stroke . . . . .	4"
R.P.M. . . . .	1300

### SPEED - Standard gear ratio with 11.25 - 24 air tires

First. . . . .	2.50 M.P.H.
Second . . . . .	3.50 M.P.H.
Third. . . . .	4.75 M.P.H.
Fourth . . . . .	9.00 M.P.H.
Reverse. . . . .	2.00 M.P.H.

### BELT PULLEY

Diameter . . . . .	9"
Face . . . . .	6-1/2"
R.P.M. . . . .	1170

CRANKCASE CAPACITY. . . . . 6 Quarts

TRANSMISSION CAPACITY . . . . . 4 Quarts

DIFFERENTIAL CAPACITY . . . . . 6 Quarts

DRIVE CASE CAPACITY . . . . . 1 Pint

COOLING SYSTEM CAPACITY . . . . . 4 Gallons

FUEL TANK CAPACITY. . . . . 15 Gallons

TIRE PRESSURES. . . . . Front 28  
Rear 12

## CARE AND OPERATION OF MODEL "WC" TRACTOR

### BEFORE STARTING THE ENGINE

Inspect oil level in engine oil sump. For correct level and viscosity see heading, "Engine" under "Lubrication".

Inspect oil in air cleaner cup. Refer to air cleaner instructions.

Fill cooling system with clean water.

Check all points of lubrication and grease those equipped with grease gun fittings.

If gasoline is to be used for fuel, fill the large tank with it. If low grade fuel such as distillate or tractor fuel is to be used, fill the large tank with this fuel and the small tank with gasoline.

### STARTING THE ENGINE

Be sure the gear shift lever is in neutral position. In cold weather lock the clutch pedal in forward position. If gasoline is to be used, open valve under large tank. If low grade fuel is to be used, be sure the valve under large tank is closed and open valve under small tank. Open throttle control one-third way. Pull choke rod, on lower edge of foot plate, back. Press starting button, on foot plate, all the way in. When motor has turned over two compression strokes, push choke rod forward. As soon as motor starts, release starter button. If the weather is cool more choking may be necessary.

If tractor is not equipped with electric starter, proceed as above except crank engine over two compression strokes with choke lever down, turn choke lever forward. Engine should then start readily when cranked. CAUTION: Do not spin motor. To do so may disengage the automatic impulse coupling and allow motor to kick.

When the engine is started, see that the oil gauge is registering pressure. Do not operate the engine unless the oil gauge registers.

Note:- After the first few hours of operation tighten all nuts, bolts and cap-screws that hold together parts having asbestos lined copper gaskets between them. This applies especially to cylinder head stud nuts. When cylinder head stud nuts are tightened, the cylinder head gasket is compressed and causes the valve clearance to be taken up. After the cylinder head stud nuts are tightened, be sure to adjust the valve clearance.

## STARTING THE TRACTOR

With the engine running, push and hold the clutch pedal forward to release clutch. Move the gear shift lever to the desired speed position. Gear shift positions are cast on the transmission case cover. Release the pressure on the clutch pedal slowly to avoid sudden jerks in starting. Have the throttle open far enough to prevent stalling engine.

### MOTOR TEMPERATURE

Motor should never be operated unless thermo gauge shows normal temperature. To obtain this temperature when motor is cold, cover radiator completely until it reaches normal operating temperature, then lower curtain amount necessary to keep temperature normal.

### LUBRICATION

ENGINE. Maintain oil level in oil sump to the full mark on oil gauge rod.

Use only pure mineral oils of the following S.A.E. viscosity numbers:

Summer - No. 40

Winter - No. 30

For extremely cold temperatures, a mineral oil that will flow freely at prevailing temperatures should be used.

If gasoline or other fuels of similar qualities are being used, drain oil sump and refill with fresh oil of the proper quality and viscosity after each 60 hours of operation.

If low grade fuel such as distillate or tractor fuel is being used, drain the oil down to the drain cock, located on the side of the oil sump, after each 10 hours of operation and refill to the full mark on the gauge rod with fresh oil. After each 40 hours of operation, drain oil sump completely and refill with fresh oil.

Use only oil of high quality of the proper viscosity. The best assurance of securing such oil is to purchase the better grade manufactured by a dependable oil company who has established a reputation for quality products and whose success depends upon maintaining such quality.

Look at the oil pressure gauge at regular intervals to make sure oil is being circulated by the oil pump. The oil pressure safety margin is indicated in black on oil gauge. Gauge indicator should register within this margin when motor is heated to operating temperature and running at normal governed speed.

The governor, timing gears, clutch pilot bearing and rocker arm assembly are lubricated from the oil sump supply and need no outside attention.

WATER PUMP AND FAN. Lubricate with two or three strokes of the grease gun at grease connection for each 10 working hours.

CLUTCH. The clutch throw-out bearing grease connection (Item 32, group 280980) is made accessible by removing the small cover from bottom of clutch housing. (Item 87 group 280980) Lubricate with two or three strokes of the grease gun for each 20 to 30 hours of operation, depending upon the frequency clutch is engaged or disengaged.

Grease gun connections are also located on either side of the clutch housing for lubricating the clutch fork shaft bearings. (Item 2, group 280980) Lubricate daily with two strokes of grease gun.

TRANSMISSION. This unit is lubricated from the oil supply carried in the transmission case. Use S.A.E. No. 140 transmission oil for summer and S.A.E.No.90 for winter. Keep filled to the level of the filler plug located on the right hand side of the case.

BELT PULLEY GEARS AND BEARINGS. Lubricate bearings daily, when gears are engaged, through connection on end of shaft with four or five strokes of grease gun.

The pulley gears which operate in the small compartment in clutch housing are lubricated by oil from the transmission case supply. When tractor is used for belt work only for a period of time, remove inspection plate, (Item 56 group 280980) and inspect the oil level, adding some lubricant if necessary. Be sure that transmission oil as specified under TRANSMISSION is used, as heavy oil, especially if in cold temperatures, will not circulate to these gears.

DIFFERENTIAL. Use the same viscosity oil as used for the transmission and keep filled to the level of the filler plug located on rear of housing.

FINAL DRIVE GEARS. Fill with heavy duty transmission grease to level of filler plug located on inside of cases (Item 102 group 280991). The capacity of the case is approximately one pint each.

FRONT WHEELS. Lubricate daily through grease connections until some grease is forced out around the felt washers on the inside of hubs.

STEERING SPINDLE SHAFT. Lubricate daily with two or three strokes of grease gun at connection on front of support. (Item 3 group 280131).

STEERING WORM AND GEAR. These parts are contained in top of front support and are lubricated with transmission oil. Inspect and fill compartment by removing cover from top of support. (Item 4 group 280131) Keep oil level so worm will be about 1/3 submerged.

Lubricate steering worm shaft bearing (Item 47 group 280131), universal joint and steering shaft support at connection, (Items 5 and 9 group 280025) daily with two or three strokes of grease gun.

REAR WHEELS. Lubricate daily with three to four strokes of grease gun.

GENERATOR. Lubricate bearings at each end, through small oil cups, with two or three drops of light oil for each 200 hours of operation.

STARTING MOTOR. Lubricate bearing at rear end, through small oil cup, with two or three drops of light oil for each 500 hours of operation.

#### FUEL

Engines of model "WC" Tractors are furnished in two compression ratios. Each is designed to efficiently burn a particular class of fuel. For best results, use the class of fuel for which the engine was designed.

For engines equipped to burn either low grade fuel or gasoline. These engines are designated by letter "K" following the engine number.  
Example: W80565K

} Any fuel having following specifications: gravity 38 to 44; end point - 525° or less; Octane rating 30 or more.

For engines equipped to operate strictly on gasoline. These engines are designated by the letter "G" following the engine number.  
Example: W80565G

} For regular loads use 60 Octane gasoline or higher. For continued heavy loads use 70 Octane gasoline or higher.

Engine numbers are located on left hand side of engine block, to the rear of carburetor.

When burning low grade fuels certain precautions are necessary to prevent excessive dilution of the lubricating oil.

Always select a fuel to meet the specifications outlined in a preceding paragraph. Cover radiator to let engine warm up thoroughly on gasoline. Never turn on low grade fuel until temperature of the cooling system is near the boiling point and when operating in cold weather, keep sufficient cover on radiator front to maintain this temperature.

Always turn off the low grade fuel and switch to gasoline before engine is stopped so that carburetor will contain gasoline when engine is again started.

Motors having letter "K" following the engine number are furnished with two manifold covers. Cover marked with letter "K" must be used when burning low grade fuel. Cover marked with letter "G" is to be used when burning gasoline.

Motors having letter "G" following the engine numbers are only supplied with the "G" manifold cover and are to burn gasoline only.

#### ELECTRICAL EQUIPMENT

BATTERY. The "WC" starting and lighting system uses a six volt battery, designed and built to meet the requirements of the tractor.

After each week of operation, check the electrolyte (Solution) in the battery to see that it is at the proper level. This level should be maintained 3/8" above top of separators, never higher, and never below top of separators. Never add anything to the solution except DISTILLED water. Boiled water will not do. The supply of water should be kept in clean, covered vessels of glass, china, rubber, or lead.

Do not allow lighted matches or an open flame of any kind to come in proximity to battery cell covers.

In cold weather, add water only immediately before running the engine so that the charging will mix the electrolyte and water and prevent freezing. A fully charged battery will not freeze in very cold temperatures, but if only partly charged will freeze and be ruined at much higher temperatures.

Weekly readings of each battery cell should be taken with a battery hydrometer. The readings indicate as follows: 1.280, full charge; 1.225, half charge; 1.150, discharged.

By taking frequent readings with the hydrometer, it is possible to keep generator charging rate so adjusted as to have battery fully charged, but not over charged. When taking the readings, return the electrolyte to the cell from which it was taken.

Due to the infrequent use of tractor in cold weather and the extra amount of electrical energy required by starting motor, it is usually necessary to use a higher charging rate than in summer to keep battery fully charged. Refer to instruction on ammeter for charging information.

Keep the battery clean by using a stiff bristle brush--not metal. Coat terminals with vaseline to prevent corrosion. If battery is removed from tractor, be sure the positive (+) terminal is attached to ground cable when reinstalled.

Battery box cover should be in place and tightened snugly to prevent battery from being damaged by vibration. Be sure small rubber insulators on bottom of cover are in place and in good condition. Any non-insulated metal across top of battery will short and cause it to lose its charge.

In event the tractor is not to be used for some time, it is advisable to remove the battery, have it fully charged and stored in a basement or some similar place where the temperature is to be as low as possible, but above freezing.

If any difficulty is experienced with the battery, consult your local Allis-Chalmers dealer or local battery service station that handles this make battery.

GENERATOR. The generator(4), mounted on left-hand main frame channel, is the source of electrical supply for the starting and lighting equipment. It is driven by the fan belt which should be adjusted just tight enough to prevent slippage.

The construction of the generator is as simple as such a piece of electrical equipment can be made. Other than the following, no special attention is required.

Lubricate the bearings at each end through the small oil cups with two or three drops of light oil for each 200 hours of operation.

Do not run generator with battery removed unless wire attached to post on generator case is disconnected. Do not disturb wires on generator cut-out relay.

The cut-out relay, attached to generator case, prevents the battery from discharging, through the generator, when generator is idle. The only care necessary for this is to examine the points occasionally, and if pitted, file them smooth with a fine point file.

AMMETER. The ammeter(40), located on the dash, indicates the charging or discharging rate of battery.

If ammeter should register discharge with lights off, disconnect the battery cable to prevent its discharge until the difficulty is located and corrected. Such a condition is usually caused by a worn or frayed wire making a short circuit or by cut-out relay points being stuck together.

The lighting switch is also a generator output regulator. With this type switch, it is possible to increase the charging rate of the battery without making any changes in the generator. The operation of the switch is as follows: with control rod (36) forward as far as possible, charging rate is from two or four amperes and lights are off; when pulled out to first stop, lights are on and charging rate remains the same; when pulled back as far as possible, the lights are off and the charging rate is increased to approximately twelve amperes. This last position is to be used only when the battery, due to abnormal conditions of operation, loses its charge faster than the regular charging rate can make up. In ordinary tractor operation the danger will be to overcharge the battery.

STARTING MOTOR. The starting motor(1), is mounted on the clutch housing, having a connection which automatically engages the flywheel, with the engine idle, when the starter button is depressed.

Lubricate the rear bearing through small oil cup with two or three drops of light oil for each 500 hours of operation.

The starting motor seldom causes any difficulty, but if it should, any one of the following may be the cause:

1. Exhausted battery.
2. Broken or loose wires.
3. Loose or corroded battery terminals.
4. Starting switch making poor contact.

#### FUEL FILTER

A fuel filter is located just below the fuel tank and should be cleaned at regular intervals. Remove the glass bowl and screen, and wash out any sediment or water that may have accumulated.

#### AIR CLEANER

Instructions as to care of the air cleaner are given on the air cleaner body. Follow these instructions carefully. Be sure the oil cup is filled to the level of the bead stamped on the side of the cup. Used crank case oil is satisfactory if thin and clean. The use of heavy oil in the cup will result in a restriction of air to the carburetor, resulting in an over-rich mixture and excessive dilution of the lubricating oil. Inspect after each 10 hours of operation, and if the oil is heavy with dirt, or if the cup contains a layer of sediment, drain and refill with fresh oil.

Inspect the hose connections on air inlet tube frequently and keep them tight and in good condition.

### BREATHER

The crankcase breather cap, located on top of the cylinder head cover, should be inspected daily. It must not be allowed to become clogged with dirt as pressure will be created in crankcase, causing oil leaks at main bearings, magneto shaft and other points. Wash breather cap daily in gasoline, dip in lubricating oil and replace after throwing off excess oil.

### OIL FILTER

The oil filter is a highly efficient unit for the purpose of filtering abrasive particles from the engine crankcase oil supply. This naturally adds life to the many moving parts that are dependent upon this supply for lubrication.

The filtering element consists of a metal can packed with a special long thread filtering yarn. The oil is forced through a tube to the top of the oil filter element and is filtered as it passes down through the filtering yarn.

When gasoline is being used for fuel it is necessary to replace the filtering element and its container after each 200 to 400 hours of operation, but if low grade fuel is being used, it is necessary to replace this element after each 100 to 200 hours of operation.

The replacement container is supplied packed with the necessary quantity of filtering yarn and has a cone retainer in the center to keep the hole in the filtering yarn open so that the oil tube which extends up in the element, can enter freely. This cone retainer should be left in position as it is a part of the replacement container.

A new element can be purchased from any Allis-Chalmers dealer for a few cents.

It is very important to replace the above element as directed as this unit will aid in keeping the crankcase oil clean and add many hours of carefree service to the life of the motor.

CAUTION: Do not attempt to remove and wash the filtering yarn or use any material in container except that as furnished as regular equipment.

Install, only, a new container, packed, as is supplied by the Allis-Chalmers Mfg. Co. for the protection of the motor.

### OIL PUMP

The oil pump requires very little attention. It is of the geared type driven by a gear which meshes with a second gear on the camshaft. It is considered good practice to clean the oil pump screen each season. This can be done by removing the oil sump.

### CARBURETOR ADJUSTMENTS

The carburetor has two adjustment needle valves for correcting changes in fuels and atmospheric conditions. These are known as the "Idling Adjustment Needle", and the, "Main Adjustment Needle".

The idling adjustment needle, located on front of throttle body, controls the air for the idling mixture. Turning in this needle shuts off the flow of air and makes a richer fuel mixture. Turning out makes a leaner mixture. A good place to start for adjustment is one and one-half turns open. Do not expect a new motor, that is too "stiff" to rock freely on compression, to idle smoothly.

To get the proper idling speed, set the stop screw on the throttle valve arm of carburetor. Turn stop screw to right to increase and to left to decrease idling speed.

The main jet adjusting needle, located on front of fuel bowl, is for admitting more fuel to engine than is normally supplied by the main jet, which may be necessary due to the variation in fuels and atmospheric conditions. Turning out admits more fuel and makes a rich mixture. Do not force the needle down on its seat as it will cause damage to these parts.

### MAGNETO

The contact points must be kept clean and properly spaced. If pyramided or pitted, they should be made smooth with a tungsten file or a stone, and adjusted to allow a gap of .020" when open.

Spark plug points should have a gap of .030 to .040 inch.

The magneto is manufactured by a reliable company and is serviced through its many authorized service stations.

### GOVERNOR

The governor is of the variable speed non-adjustable type, and is designed for an operating speed of 1300 R.P.M. under full load. It is very important to have all linkage, from governor to carburetor, work freely.

## MAIN AND CONNECTING ROD BEARING ADJUSTMENT

The main and connecting rod bearings have removable shells. Shims are provided to make correct adjustment.

Do not adjust bearings too tight. To provide for proper lubrication the bearings should have .002 inch diametrical clearance. This clearance will allow crankshaft to turn freely when all bearings are adjusted.

If the shims provided will not allow the correct adjustment, do not file the bearing caps, instead new bearing shells should be installed.

When coupling up the rods be sure to replace the bearing cap on its original rod and in its original position, also draw the nuts tight and lock with the proper size cotter keys.

## CYLINDER LINERS, PISTONS AND RINGS

The engine has renewable cylinder liners which makes reboring unnecessary.

Oversize pistons and rings are not supplied. If wear on the cylinder liners is sufficient to require oversize pistons and rings a new motor assembly consisting of liners, pistons, rings, etc., should be installed.

The old liners can be readily removed from the top of the engine block by the use of a suitable puller.

When installing new liners, they should be forced straight down in the bore of the block to prevent possible damage to the rubber packing rings.

Always use new packing rings when installing liners, as the danger of a water leak at this point is too great to risk their use the second time.

## VALVE CLEARANCE AND VALVES

Correct clearance between the valve stems and rocker arms should be maintained at all times.

To adjust clearance, turn engine with crank until valve closes and push rod is at its lowest position. Loosen valve adjusting screw lock nut and turn screw until there is .010 inch clearance between the rocker arm and valve stem with engine at normal operating temperature. Use a thickness gauge for making this measurement. Tighten lock nut and recheck.

Lack of compression because of leaky valves may be caused by either insufficient clearance between rocker arms and valve stems, by the collection of carbon at the valve seats or by carbon or a gummy substance on the valve stems preventing the closing of the valves.

If, when cranking the motor over, there is a lack of resistance on one or more cylinders at the compression stroke, the pistons and rings being in good condition and there is sufficient clearance between the rocker arms and valve stems, it indicates that the valves need regrinding.

Because of the hardened steel exhaust valve seat inserts in the exhaust valve positions, it is recommended that the valves be refaced on a machine made for this purpose and the seats be reground with a high speed valve seat grinder.

As a final operation, the valves and seats may be polished by lapping them in with a small amount of valve grinding compound. In this manner a perfect seat can be obtained which will give many hours of satisfactory service.

## RADIATOR AND COOLING SYSTEM

Only rain or soft water should be used in the radiator if available. Hard or alkaline water will form a scale which will impair radiation if allowed to build up in the cooling system. The use of washing soda will help to dissolve this scale; and where only hard or alkaline water is available the washing soda should be used at regular intervals and before the accumulation of scale becomes heavy enough to scale off and stop up the radiator passages.

In cold weather an anti-freeze solution can be used in the radiator. However, alcohol cannot be used, when low grade fuel is being burned, because of its low boiling point. If low grade fuel is being burned, Prestone or some similar cooling solution should be used.

Do not run engine without water or some other cooling solution in the radiator. Never pour cold water in a hot motor when the water is low.

There are two places to drain on the cooling system. One is located on the bottom of the radiator, left side and the other in front of the carburetor on left hand side of engine block. Drain BOTH places. Make sure that all water drains out before you leave the tractor. Do not take chances by opening drains and leaving before you are sure all water has drained out.

## CLUTCH

The clutch is of the spring loaded single plate dry disc type. The release engagement is by movement of the clutch shifter (77) and the throwout bearing(37) contacting the 3 release levers (24). (Refer to group 280980)

Each release lever has an adjusting screw which is for the purpose of regulating the lever contact with the throwout bearing. As the clutch facings wear, the release levers move nearer to the throwout bearing and the only clutch adjustment necessary is to provide clearance at this point.

To adjust: Remove plate from bottom of clutch housing and turn adjusting screws to allow a clearance of 1/4" between the ends of each of the 3 release levers and the throwout bearing.

## FAN BELT ADJUSTMENT

Loosen the two nuts on the fan belt pulley and turn the front section to the left. Do not tighten fan belt more or oftener than necessary to prevent slippage. On tractors equipped with generator, belt may be adjusted by loosening capscrew holding generator brace and moving generator out.

## FRONT WHEEL BEARING ADJUSTMENT

The front wheels are mounted on taper roller bearings. At frequent intervals remove the weight from wheels and examine side play. If side play exists it will be necessary to adjust bearings.

To adjust bearings, remove the hub cap and tighten the nut on end of spindle until all play is removed but with no binding. The inside of the wheel hub is provided with a felt washer to protect bearings from dirt and retain grease in hub. This felt washer should be replaced each season.

## REAR WHEEL BEARING ADJUSTMENT

Remove the weight from rear wheels at regular intervals and inspect adjustment of bearings. Correct adjustment of these bearings play an important part in the life of final drive gears and also cork oil seal. Bearings are adjusted by tightening nut, (Item 64 group 280991) on end of stub axle, until all end play is removed with no binding.

## BRAKES

Hand operated brakes, to aid in turning, act on drums installed on final drive shafts. To adjust, remove cover from top of brake housing and tighten adjusting nut until correct travel of hand lever is secured.

## BELT PULLEY

To engage pulley for belt work, loosen lock nut and back out set screw, located on clutch housing just inside of main frame channel, far enough to allow pulley tube to slide farther into housing. There is an arrow mark on the main frame channel and also on pulley tube for guidance in properly meshing gears. These marks should be in line with each other. Turn set screw in tight being sure it has entered a hole in tube. There is a series of holes provided around tube which are so spaced that by loosening setscrew and turning tube to left a .005" deeper mesh of gears may be had for each hole turned in this direction or vice versa by turning to right. Be sure the set screw is seated in the hole desired and tighten both set screw and lock nut.

The pulley is 9" in diameter and runs at a speed of 1170 r.p.m. at normal engine speed. The motor should always be run at normal speed where constant power is needed and heavy belt load is encountered.

To figure speed of driven units or determine size of pulley, multiply the diameter of driving or engine pulley by its revolutions per minute, and divide by R.P.M. of driven unit. Example: 9" diameter x 1170 R.P.M. = 10530. 10530 divided by 1000 (R.P.M. of driven unit is 10.5 which is the size pulley needed.)

We cannot over emphasize importance of having the proper size pulley on the driven unit. Much power is lost and unnecessary load put on motor unless proper pulleys are used. The pulley furnished with tractor is correct size.

## DRIVE SHAFT RELEASE COUPLING

The drive shaft release coupling makes possible the live power lift which permits operating the power lift with tractor either standing still or moving forward.

To operate the lift with tractor standing, release the clutch; shift transmission gears into any forward speed position; shift drive shaft release coupling lever (Item 164 group 280991) located on torque tube, to rear as far as possible; then release the clutch. Power lift may now be operated by depressing the power lift pedal.

For movement of tractor, the release coupling shift lever must be ahead as far as possible.

Do not attempt to shift release coupling while tractor is moving or drive shaft (151) revolving.

## HYDROMATIC TRACTOR TIRES

It is generally known, that to obtain maximum traction with a tractor equipped with low pressure pneumatic tires, weight must be added. The practice has been to attach cast iron weights to spokes of the wheels, but after numerous experiments by our engineering department, the use of liquid injected into the tire has shown several advantages.

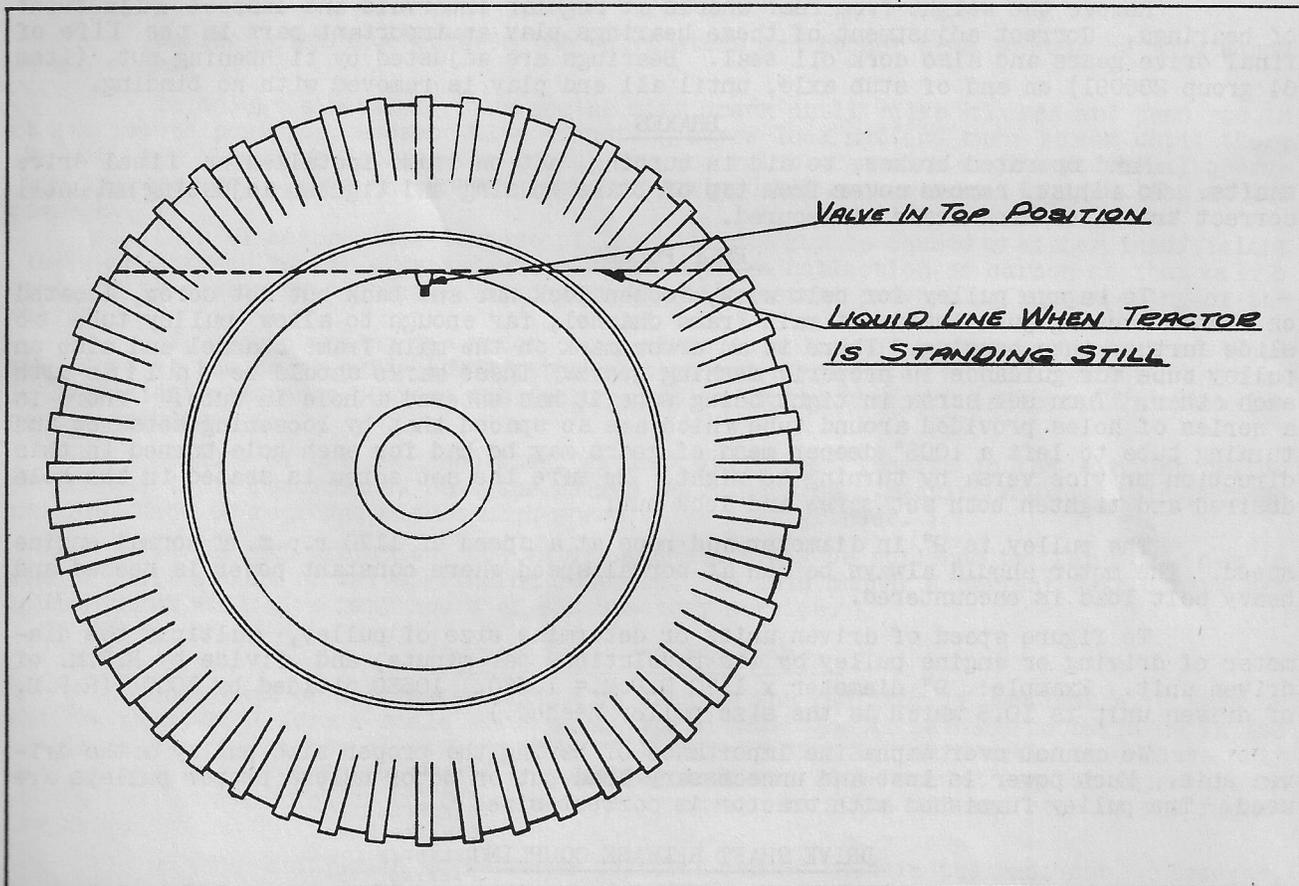
The action of the tires, partly filled with liquid, tends to eliminate "bouncing" to a great extent. The liquid adds weight to the tractor at the correct point -- nearest to the ground -- and thereby increases the stability of the tractor. Weight added in this manner is a "free wheeling" weight and eliminates much of the shock that otherwise would be absorbed by the tractor gears.

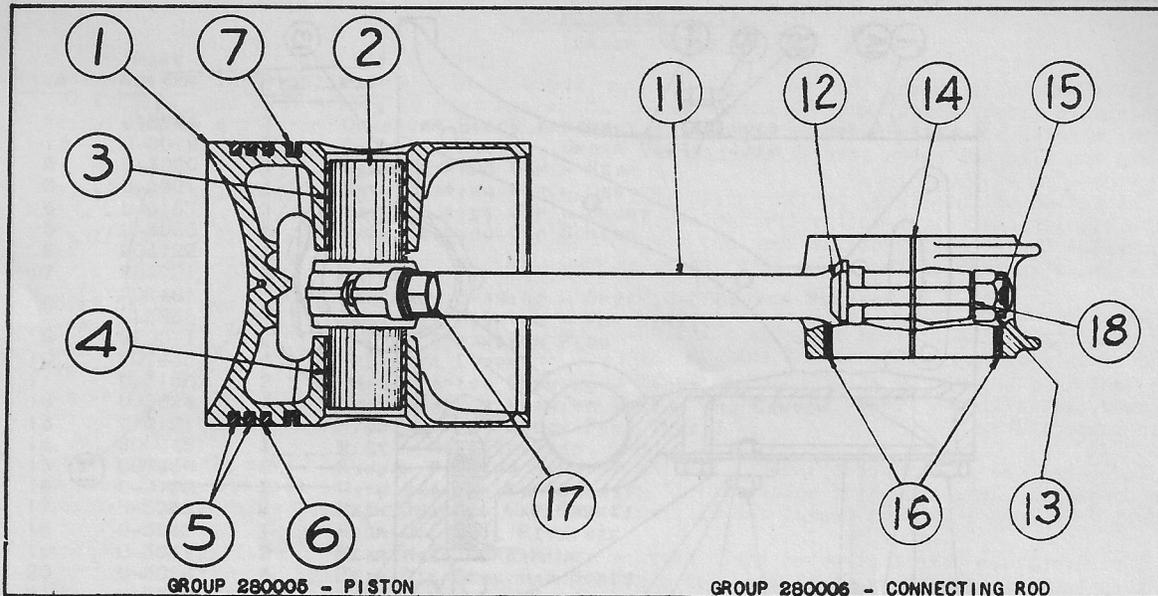
As water, alone, will freeze in cold weather, Allis-Chalmers tractor tires are filled with the proper quantity of 15% calcium chloride solution. Calcium chloride will in no way harm the casings, tubes or valves. A mixture of 15% calcium chloride and 85% water has a specific gravity of 1.140 and may be tested by the use of an ordinary battery hydrometer. This mixture will form a slush at 10° above zero, but will not freeze solid at 20° below zero. No harm will be done to the tires at even colder temperatures.

The tires are filled about 3/4 full of the solution and then inflated to the standard recommended air pressure. This amount of solution will give the same weight as two cast iron wheel weights on each wheel. If more weight is needed for difficult traction conditions, wheel weights may be added.

Tire companies have instructed their service stations concerning liquid ballast for tractor tires and they have the necessary facilities for mixing and injecting this fluid into the tires.

If the valve core is to be removed for any cause it will be necessary to jack up tractor and turn the wheel until the valve stem is on top, otherwise the solution will be lost.





PISTON

(GROUP 280005 AND 280125)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3114	4	PISTON COMPLETE - LOW GRADE FUEL (INCLUDES ITEMS 2 THRU 4)
	204462	4	PISTON COMPLETE - GASOLINE (INCLUDES ITEMS 2 THRU 4)
2	U-3052	4	PISTON PIN
3	U-3045	4	BUSHING - 1-1/4" LONG
4	U-3043	4	BUSHING - 1" LONG
5	U-3050	8	COMPRESSION RING
6	U-3809	4	SCRAPER RING
7	U-4000	4	OIL RING
-	208354	1	PISTON RING SET (INCLUDES ITEMS 5, 6 AND 7)

CONNECTING ROD

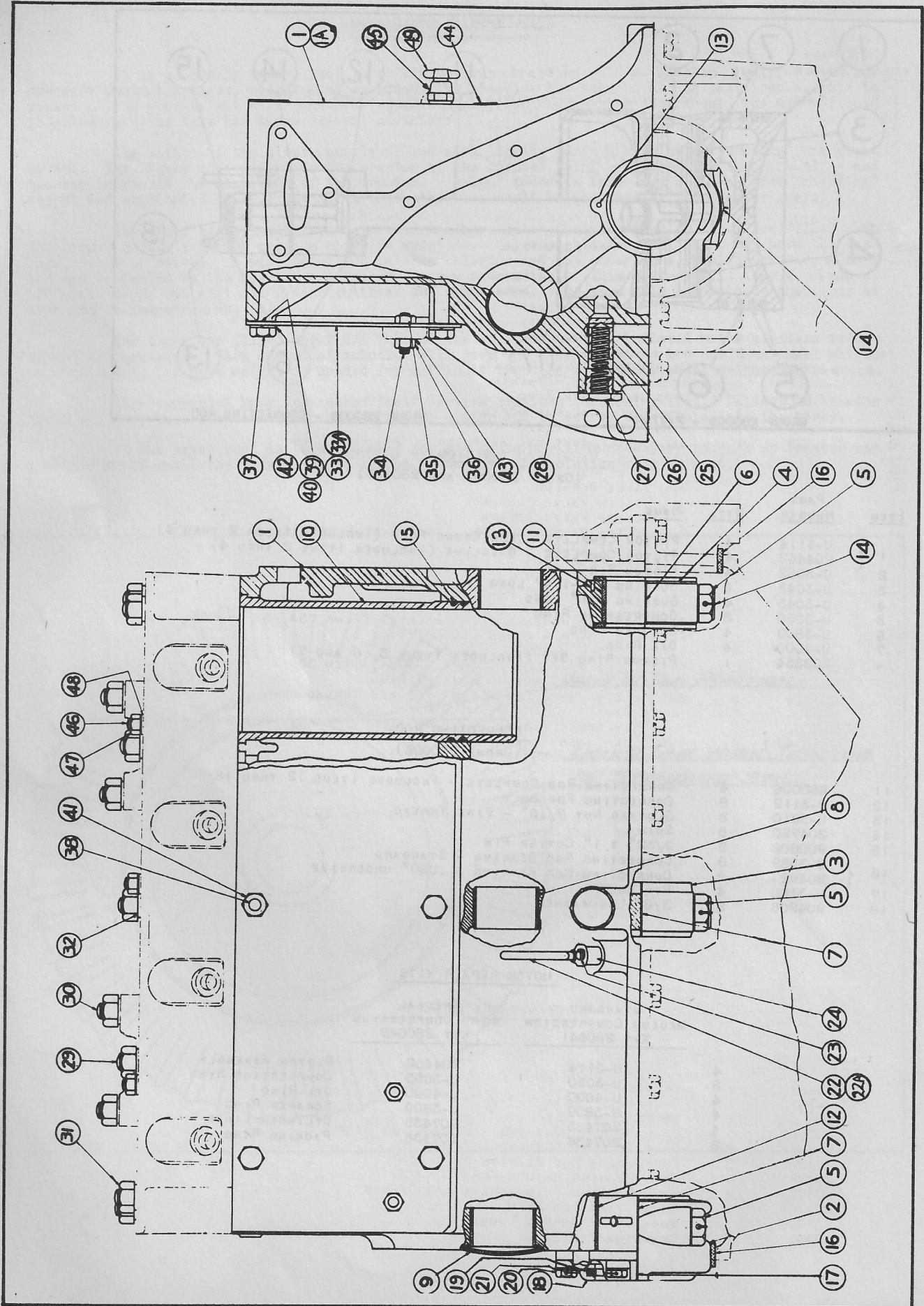
(GROUP 280006)

11	280006	4	CONNECTING ROD COMPLETE - INCLUDES ITEMS 12 THRU 18
12	U-3112	8	CONNECTING ROD BOLT
13	U-3210	8	SLOTTED NUT 7/16" - FINE THREAD
14	204720	8	SHIM
15	900802	8	3/32" x 1" COTTER PIN
16	U-3989	8	CONNECTING ROD BEARING - STANDARD
	204926	8	CONNECTING ROD BEARING - .020" UNDERSIZE
17	U-3188	4	PIN BOLT
18	904206	8	3/8" LOCKWASHER

MOTOR REPAIR KITS

	<u>STANDARD</u>	<u>SPECIAL</u>	
	<u>MEDIUM COMPRESSION</u>	<u>HIGH COMPRESSION</u>	
	<u>KIT 280641</u>	<u>KIT 280642</u>	

4	U-3114	204462	PISTON ASSEMBLY
8	U-3050	U-3050	COMPRESSION RING
4	U-4000	U-4000	OIL RING
4	U-3809	U-3809	SCRAPER RING
4	207435	207435	CYLINDER LINER
8	207436	207436	PACKING RING



CYLINDER BLOCK

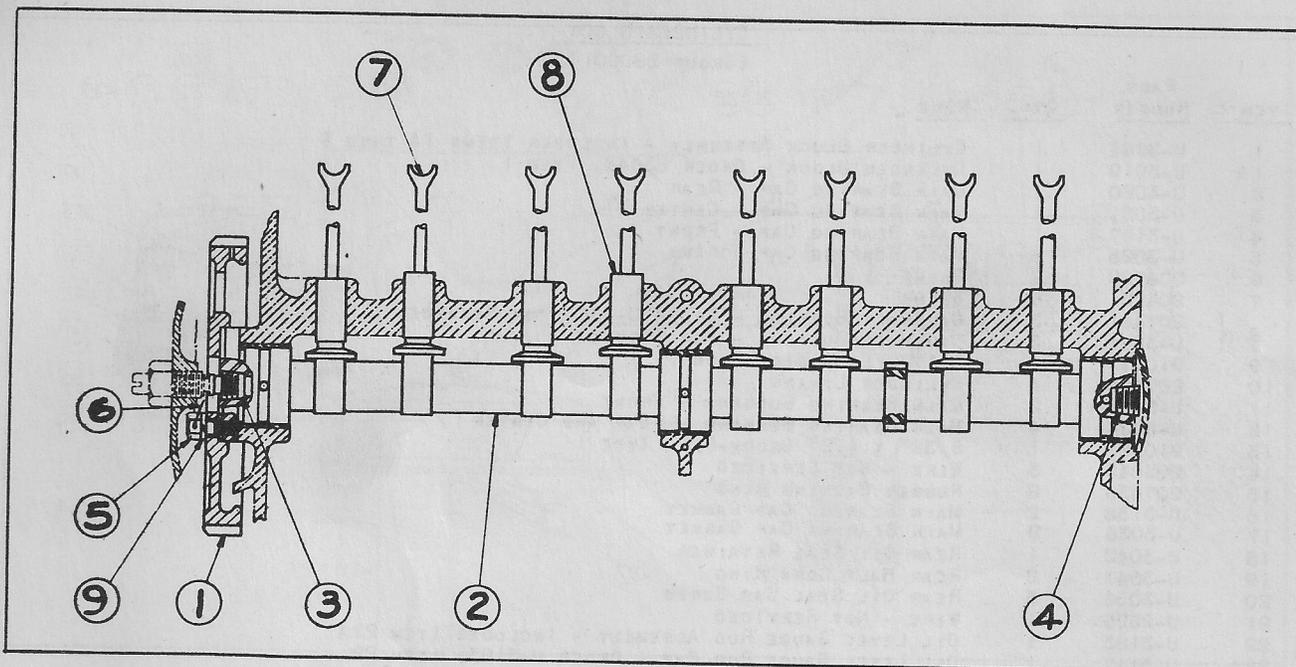
(GROUP 280001)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3644	1	CYLINDER BLOCK ASSEMBLY - INCLUDES ITEMS 1A THRU 9
1A	U-3019	1	CYLINDER BLOCK - ORDER U3644, ITEM 1
2	U-3020	1	MAIN BEARING CAP - REAR
3	U-3021	1	MAIN BEARING CAP - CENTER
4	U-3157	1	MAIN BEARING CAP - FRONT
5	U-3025	6	MAIN BEARING CAP SCREWS
6	204722	2	SHIMS
7	204721	4	SHIMS
8	207481	3	CAMSHAFT BUSHING - ORDER U-3865 FOR SERVICE
	U-3865	3	CAMSHAFT BUSHING - FOR SERVICE
9	910011	1	2-1/2" EXPANSION PLUG
10	207435	4	CYLINDER LINERS
11	U-3158	2	MAIN BEARING BUSHING - FRONT
12	U-3024	4	MAIN BEARING BUSHING - REAR AND CENTER
13	910121	1	5/32" x 1/2" GROOV-PIN TYPE I
14	205842	3	WIRE - NOT SERVICED
15	207436	8	RUBBER PACKING RING
16	U-3138	2	MAIN BEARING CAP GASKET
17	U-3036	2	MAIN BEARING CAP GASKET
18	U-3042	1	REAR OIL SEAL RETAINER
19	U-3041	2	REAR HALF CORK RING
20	U-3056	3	REAR OIL SEAL CAP SCREW
21	U-2626	1	WIRE - NOT SERVICED
22	U-3183	1	OIL LEVEL GAUGE ROD ASSEMBLY - INCLUDES ITEM 22A
22A	U-3117	1	OIL LEVEL GAUGE ROD CAP - ORDER U-3183, ITEM 22
23	U-4014	1	OIL LEVEL GAUGE ROD SEAL
24	U-3118	1	OIL GAUGE BUSHING
25	U-3129	1	OIL RELIEF VALVE PLUNGER
26	U-3144	1	OIL RELIEF VALVE SPRING
27	205060	1	OIL RELIEF VALVE PLUG NUT - WAS U-3128, INTER-CHANGEABLE
28	U-3130	1	OIL RELIEF VALVE GASKET
29	U-3004	8	CYLINDER HEAD STUD
30	U-3003	4	CYLINDER HEAD STUD
31	U-3461	12	CYLINDER HEAD STUD NUT
32	E-2565	12	WASHER
33	U-3904	1	PUSH ROD COVER ASSEMBLY - INCLUDES ITEMS 33A, 34 AND 35
33A	209470	1	PUSH ROD COVER - ORDER U-3904, ITEM 33
34	U-3908	2	STUD - ORDER U-3904, ITEM 33
35	900366	2	5/16" S.F. HEX. NUT - ORDER U-3904, ITEM 33
36	900366	2	5/16" S.F. HEX. NUT - COARSE THREAD
37	903629	5	3/8" x 3/4" HEX. CAP SCREW - COARSE THREAD
38	U-3201	1	COVER STUD
39	U-3030	2	PUSH ROD COVER GASKET
40	U-3034	2	PUSH ROD COVER GASKET
41	900367	1	3/8" S.F. HEX. NUT - COARSE THREAD
42	904206	6	3/8" LOCKWASHER
43	904205	2	5/16" LOCKWASHER
44	206289	1	ENGINE BLOCK DRAIN TRANSFER
45	U-1671	1	ENGINE BLOCK DRAIN COCK -INCLUDES ITEM 49
46	207151	3	CYLINDER HEAD STUD
47	207132	3	NUT
48	207152	3	WASHER
49	209359	1	DRAIN COCK HANDLE

CRANKSHAFT EXCHANGE

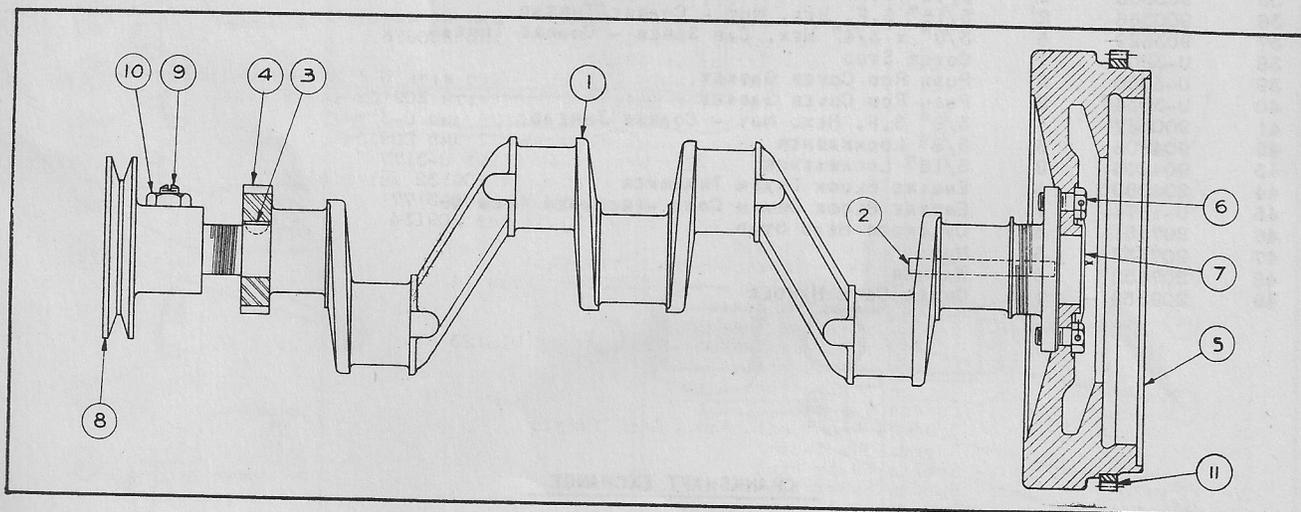
204927  
2-3/8"-.020"

204925	1	CRANKSHAFT
U-3033	1	CRANKSHAFT GEAR
910184	1	#8 WOODRUFF KEY
U-3869	4	MAIN BEARING BUSHING - CENTER AND REAR
U-3868	2	MAIN BEARING BUSHING - FRONT
204926	8	CONNECTING ROD BEARING BUSHING
204722	4	MAIN BEARING SHIM - FRONT
204721	8	MAIN BEARING SHIM - REAR AND CENTER
204720	8	CONNECTING ROD SHIM
205260		WORN SHAFT RETURN NUMBER
204061	1	CRANKSHAFT WICK



CAMSHAFT  
(GROUP 280003)

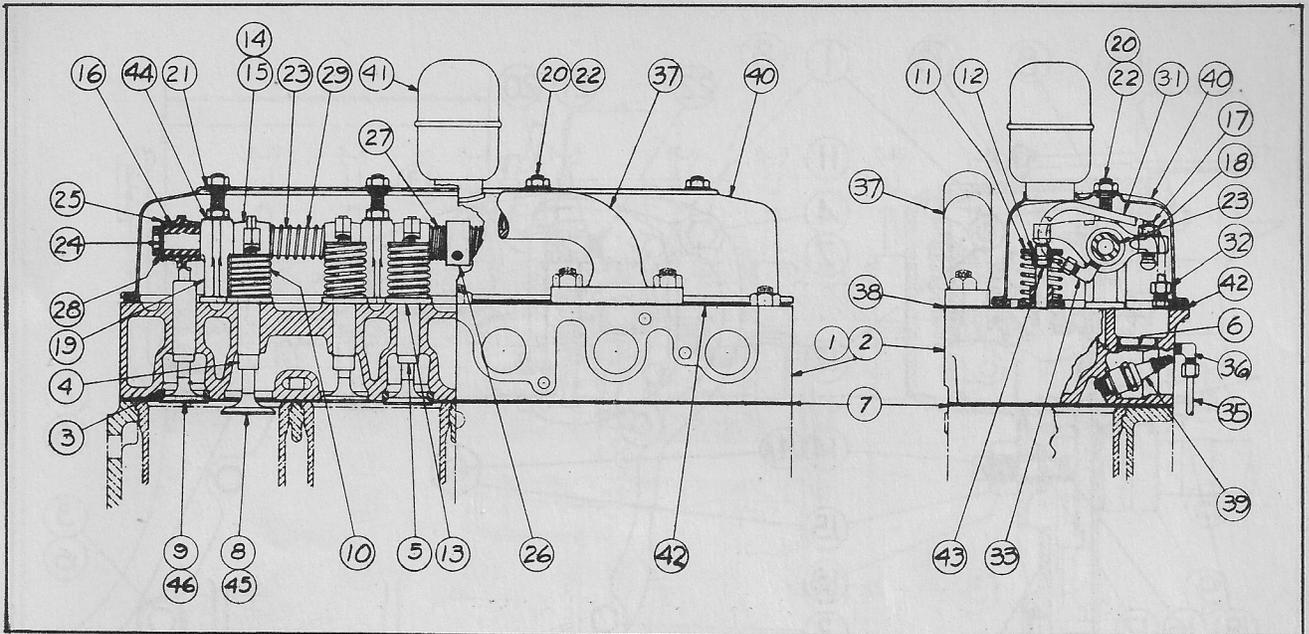
ITEM	PART NUMBER	QTY.	NAME
1	U-3028	1	GEAR
2	U-3027	1	SHAFT
3	U-3031	1	THRUST PLUG
4	904260	1	COUNTERSUNK PIPE PLUG 3/8"
5	E-13	3	CAPSCREW 3/8" x 13/16"
6	205845	3	1/16" x 8" SOFT STEEL WIRE - NOT SERVICED
7	U-3018	8	PUSH ROD
8	U-3017	8	TAPPET
9	904206	3	LOCKWASHER 3/8"



CRANKSHAFT AND FLYWHEEL  
(GROUP 280977)

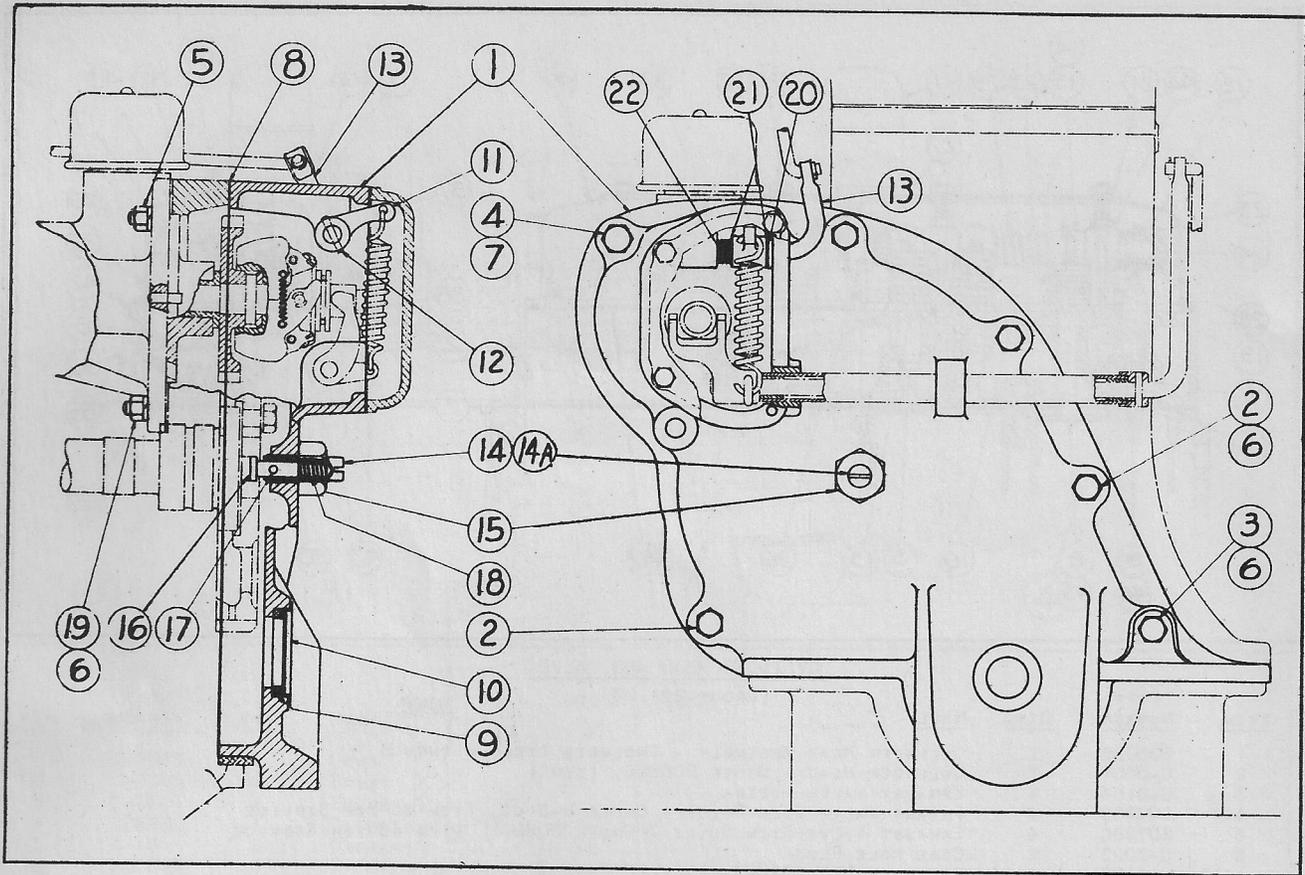
ITEM	PART NUMBER	QTY.	NAME
1	U-3985	1	CRANKSHAFT
2	204061	1	CRANKSHAFT WICK
3	910184	1	#8 WOODRUFF KEY
4	U-3033	1	CRANKSHAFT GEAR
5	208195	1	FLYWHEEL AND RING GEAR ASSEMBLY - INCLUDES ONE 209151 AND ITEM 11
	209151	1	FLYWHEEL
6	U-3075	4	FLYWHEEL CAPSCREW
7	205844	2	WIRE - NOT SERVICED
8	U-3088	1	FAN DRIVE PULLEY
9	U-2149	1	SPECIAL SET SCREW
10	903574	1	5/8" S.F. HEX. JAM NUT - COARSE THREAD
11	208132	1	RING GEAR

(SEE CRANKSHAFT EXCHANGE ON PREVIOUS PAGE)



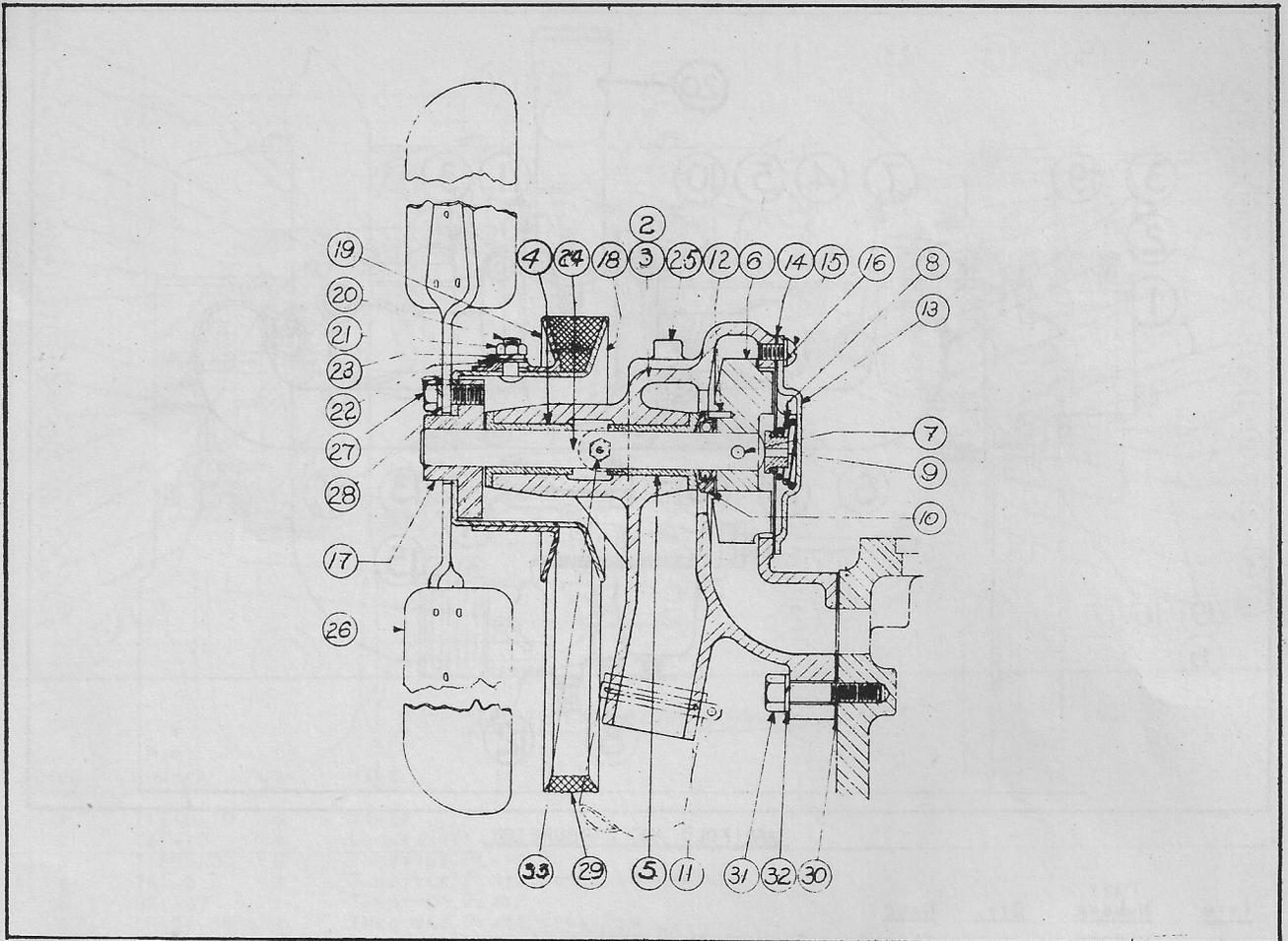
CYLINDER HEAD AND VALVE  
(GROUP 281193)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	205826	1	CYLINDER HEAD ASSEMBLY - INCLUDES ITEMS 2 THRU 6
2	U-3001	1	CYLINDER HEAD - ORDER 205826, ITEM 1
3	U-3164	4	EXHAUST VALVE INSERT
4	207259	4	INTAKE VALVE STEM GUIDE - ORDER U-3142, ITEM 45 FOR SERVICE
5	207260	4	EXHAUST VALVE STEM GUIDE - ORDER 205215, ITEM 46 FOR SERVICE
6	U-3093	2	CORE HOLE PLUG
7	U-3198	1	CYLINDER HEAD GASKET
	208672		PACKAGE OF TEN U-3198 CYLINDER HEAD GASKETS
8	U-3166	4	INTAKE VALVE - DISCONTINUED W84246 - CAN BE REPLACED BY 209132 WITH 209099, 209103, 206879 AND 206876
	209132	4	INTAKE VALVE - EFFECTIVE W84247
9	U-3167	4	EXHAUST VALVE - DISCONTINUED W84246 - CAN BE REPLACED BY 209134 WITH 209099, 209103, 206879 AND 206876
	209134	4	EXHAUST VALVE - EFFECTIVE W84247
10	U-2833	8	VALVE SPRING - DISCONTINUED W84246 - USED WITH U-3166 AND U-3167
	206879	8	VALVE SPRING - EFFECTIVE W84247 - USED WITH 209132 AND 209134
11	U-3149	8	VALVE SPRING RETAINER - USED WITH U-3176 AND U-3177
	209099	8	VALVE SPRING RETAINER - USED WITH 209132 AND 209134
12	U-3131	16	VALVE SPRING TAPER - USED WITH U-3176 AND U-3177
	209103	8	VALVE SPRING RETAINER LOCK - USED WITH 209132 AND 209134
13	U-3059	8	VALVE SPRING SEAT - USED WITH U-3176 AND U-3177
	206876	8	VALVE SPRING SEAT - USED WITH 209132 AND 209134
14	208046	8	ROCKER ARM ASSEMBLY
15	208045	8	ROCKER ARM - ORDER 208046, ITEM 14
16	208047	8	ROCKER ARM BUSHING - ORDER 208046, ITEM 14
17	U-3132	8	VALVE ADJUSTING SCREW
18	910123	8	3/8" NUT - FINE THREAD
	912794	8	3/8" NUT - FINE THREAD - SUPERSEDES 910123
19	U-3007	4	ROCKER ARM SUPPORT
20	U-3014	4	ROCKER ARM SUPPORT STUD
21	U-4013	4	COPPER WASHER
22	910123	8	3/8"-24 LIGHT HEX. NUT - FINE THREAD
23	U-3008	1	ROCKER ARM SHAFT
24	U-3035	2	ROCKER SHAFT PLUG
25	U-3009	2	ROCKER SHAFT WASHER
26	U-3010	1	ROCKER SHAFT OIL COLLAR
27	U-3091	2	ROCKER COLLAR SPRING
28	U-3092	2	ROCKER COLLAR RETAINER
29	U-3011	2	ROCKER SPACER SPRING
31	206361	1	ROCKER SHAFT OIL TUBE
32	910126	1	#68F CONNECTOR 3/16" x 1/8" - INCLUDES ONE 912367, 3/16" SLEEVE AND ONE 912064, 3/16" NUT
33	910129	1	#68F ELBOW 3/16" x 1/8" - INCLUDES ONE 912367 SLEEVE AND ONE 912064 NUT
35	U-3902	1	CYLINDER HEAD OIL TUBE
36	910129	1	#68F ELBOW 3/16" x 1/8" - INCLUDES ONE 912367 SLEEVE AND ONE 912064 NUT
37	U-3076	1	WATER MANIFOLD
38	U-3077	2	WATER MANIFOLD GASKET
39	U-2890	4	SPARK PLUG
	208374		PACKAGE OF TEN U-2890 SPARK PLUGS
40	U-3155	1	CYLINDER HEAD COVER
41	U-3196	1	BREATHER CAP
42	U-3006	1	CYLINDER HEAD COVER GASKET
	209044		PACKAGE OF TEN U-3006 GASKETS
43	204801	8	VALVE STEM SNAP RING
44	E-1692	4	WASHER
45	U-3142	4	INTAKE VALVE GUIDE - FOR SERVICE ONLY
46	205215	4	EXHAUST VALVE GUIDE - FOR SERVICE ONLY



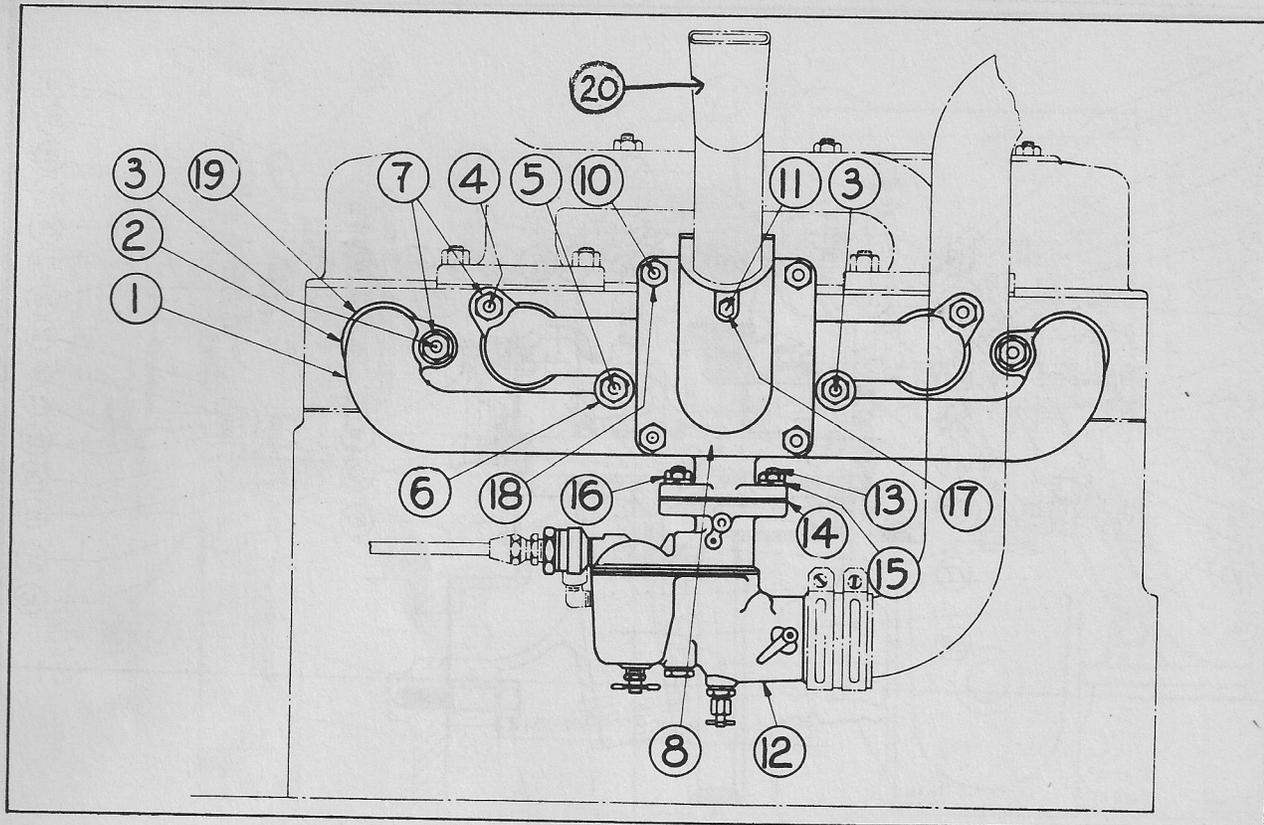
GEAR COVER  
(GROUP 280004)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3053	1	GEAR COVER
2	903633	4	3/8" x 1-3/4" HEX. CAPSCREW - COARSE THREAD
3	904281	1	3/8" x 2-1/4" HEX. CAPSCREW - COARSE THREAD
4	906695	1	3/8" x 3-1/4" HEX. CAPSCREW - COARSE THREAD
5	900367	2	3/8" S.F. HEX. NUT - COARSE THREAD
6	904206	6	3/8" LOCKWASHER
7	904207	1	7/16" LOCKWASHER
8	U-3054	1	GEAR COVER GASKET
9	U-3040	1	GEAR COVER CORK RING
10	U-3038	1	CORK RING RETAINER
11	U-3089	1	GOVERNOR CONTROL LEVER - DISCONTINUED W80161
	208817	1	GOVERNOR CONTROL LEVER - EFFECTIVE W80162
12	901357	1	#0 x 3/4" STANDARD TAPER PIN
13	U-3137	1	GOVERNOR SPEED CONTROL LEVER - DISCONTINUED W80161
	208830	1	GOVERNOR SPEED CONTROL LEVER - EFFECTIVE W80162
14	205807	1	CAMSHAFT THRUST SCREW ASSEMBLY - INCLUDES ITEMS 14A THRU 18
14A	AM-8921	1	CAMSHAFT THRUST SCREW - ORDER 205807 ITEM 14
15	910124	1	5/8" S.F. LIGHT HEX. NUT - FINE THREAD
16	AM-8922	1	PLUNGER - ORDER 205807 ITEM 14
17	AM-8925	1	PLUNGER PIN - ORDER 205807 ITEM 14
18	AM-8923	1	PLUNGER SPRING - ORDER 205807 ITEM 14
19	U-1852	1	STUD
20	208564	1	LEATHER WASHER - EFFECTIVE W80162
21	208566	2	SPECIAL WASHER - EFFECTIVE W80162
22	208662	1	SPRING - EFFECTIVE W80162



WATER PUMP AND FAN  
(GROUP 280012)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3184	1	WATER PUMP COMPLETE - INCLUDES ITEMS 2 THRU 24
2	209453	1	PUMP BODY ASSEMBLY - INCLUDES ITEMS 3,4, AND 5
3	U-3055	1	PUMP BODY - ORDER 209453 ITEM 2
4	U-3124	1	BODY BUSHING
5	U-3143	1	BODY BUSHING
6	U-3057	1	IMPELLER
7	910192	1	3/16" x 1-1/4" GROOVE PIN
8	U-3125	1	IMPELLER SPRING
9	U-3126	1	IMPELLER SPRING RETAINER
10	U-3146	1	THRUST WASHER
11	U-3123	1	THRUST WASHER RING
12	U-3063	1	THRUST WASHER DRIVE PIN
13	U-3147	1	BODY COVER
14	U-3127	1	BODY COVER GASKET
15	901164	5	1/4" x 3/8" ROUND HEAD MACHINE SCREW
16	209518	5	COPPER WASHER
17	207123	1	FAN HUB
18	U-3133	1	PULLEY
19	U-3156	1	COLLAR
20	U-3141	2	LOCKSCREW
21	900365	2	1/4" S.F. HEX. NUT - COARSE THREAD
22	U-3135	2	LOCKSCREW WASHER
23	904204	2	1/4" LOCKWASHER
24	207122	1	PUMP SHAFT
25	901653	1	3/8" SOLID PIPE PLUG
26	U-3064	1	FAN BLADE
27	903626	4	5/16" x 3/4" HEX. CAPSCREW - COARSE THREAD
28	904205	4	5/16" LOCKWASHER
29	U-3073	1	FAN BELT - WITHOUT GENERATOR
30	208215	1	FAN BELT - WITH GENERATOR
31	U-3061	1	GASKET
32	910245	3	3/8" x 1-3/8" HEX. CAPSCREW - COARSE THREAD
33	904206	3	3/8" LOCKWASHER
	910261	1	1/8" GREASE FITTING

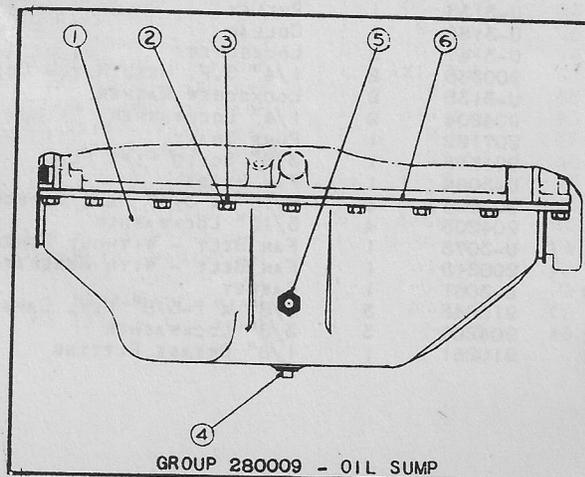


MANIFOLD AND CARBURETOR

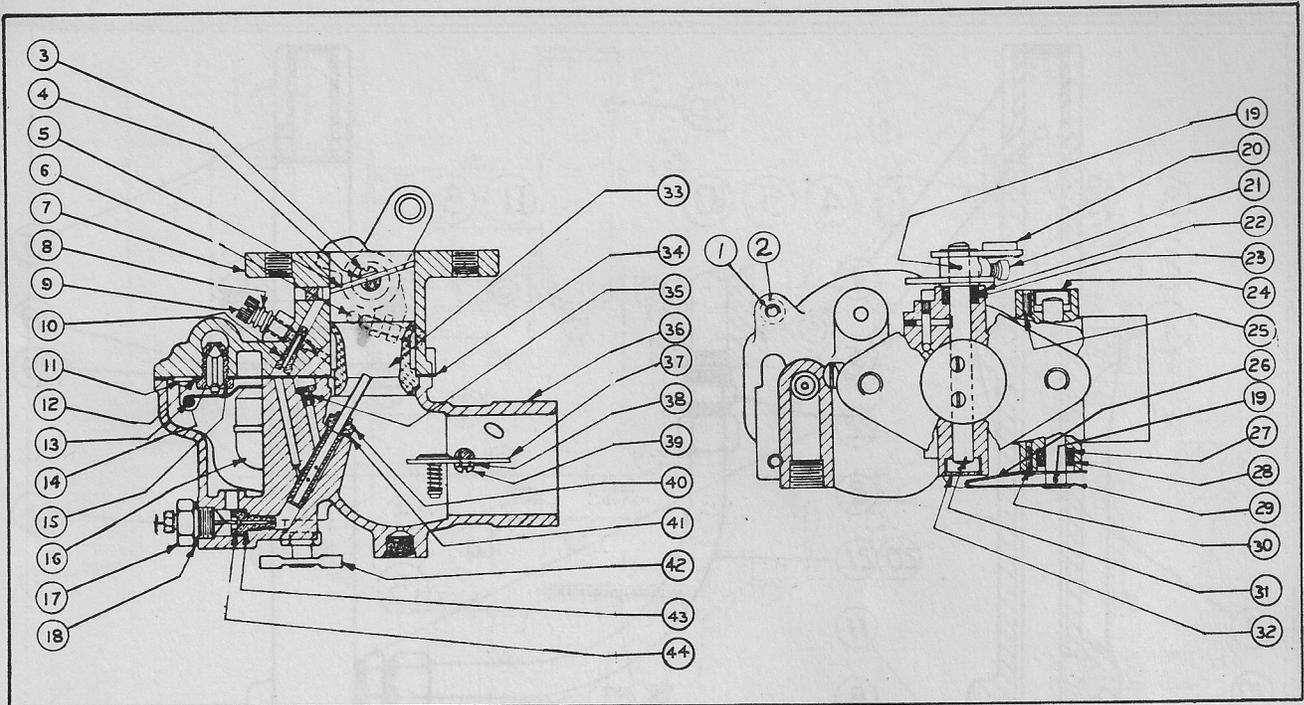
<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3068	1	INLET AND EXHAUST MANIFOLD
2	U-3162	6	INLET AND EXHAUST MANIFOLD GASKET
	208356	1	PACKAGE OF SIX U-3162 AND SIX U-3163
3	U-3161	2	MANIFOLD STUD SPACER
4	U-3160	2	3/8" x 3-1/2" MANIFOLD STUD
5	U-3072	4	3/8" x 4-3/8" MANIFOLD STUD
6	900817	4	3/8" CUT WASHER
7	U-3441	6	3/8" DURONZE HEX. NUT - COARSE THREAD
8	U-3179	1	EXHAUST MANIFOLD COVER - LOW GRADE FUEL
9	U-3178	1	EXHAUST MANIFOLD COVER - GASOLINE
10	E-2147	4	3/8" x 1-5/8" STUD
11	905661	1	5/16" x 5/8" CAPSCREW - COARSE THREAD
12	208201	1	ZENITH CARBURETOR - COMPLETE - ORDER 209312
	209312	1	CARBURETOR - COMPLETE
13	U-3204	2	5/16" x 1-3/16" STUD FOR CARBURETOR
14	U-3205	1	CARBURETOR GASKET
15	904205	2	5/16" LOCKWASHER
16	900366	2	5/16" NUT - COARSE THREAD
17	904205	1	5/16" LOCKWASHER
18	U-3441	4	3/8" DURONZE NUT - COARSE THREAD
19	U-3163	6	INLET EXHAUST MANIFOLD GASKET RETAINER
20	U-3180	1	EXHAUST PIPE

OIL SUMP  
(GROUP 280009)

1	U-3810	1	OIL SUMP
2	903771	18	5/16" x 7/8" HEX. CAP-SCREW - COARSE THREAD
3	904205	18	5/16" LOCKWASHER
4	901653	1	3/8" SOLID PIPE PLUG
5	U-1671	1	DRAIN COCK
	209359	1	DRAIN COCK HANDLE
6	U-3187	2	OIL PAN GASKET #240 FINE

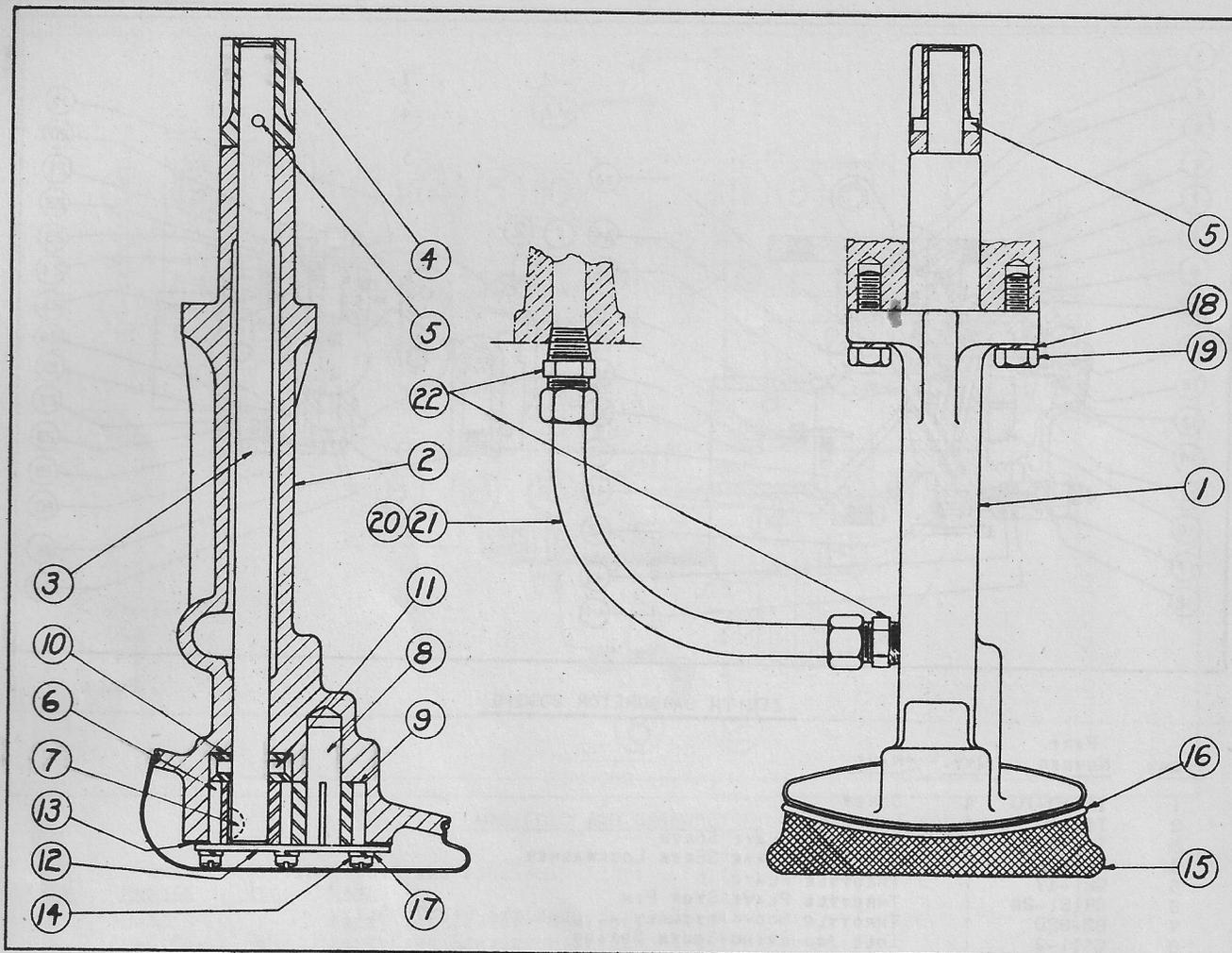


GROUP 280009 - OIL SUMP



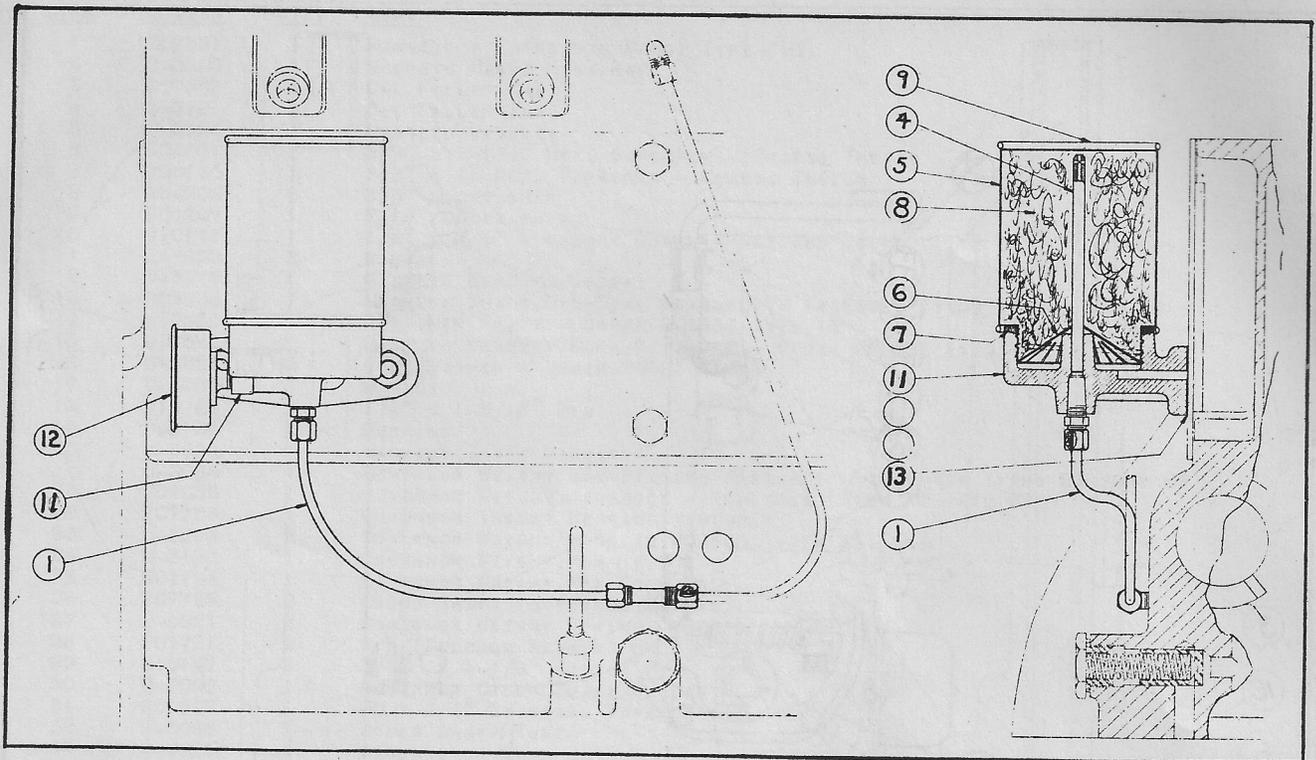
ZENITH CARBURETOR 209312

ITEM	PART NUMBER	QTY.	NAME
1	T1S10-10	4	SCREW
2	T41-10	4	LOCKWASHER
3	T15B5-3	2	THROTTLE PLATE SCREW
4	T41-5	2	THROTTLE PLATE SCREW LOCKWASHER
5	C21-47	1	THROTTLE PLATE
6	CR121-26	1	THROTTLE PLATE STOP PIN
7	B2-62D	1	THROTTLE BODY ASSEMBLY
8	C111-9	1	IDLE ADJUSTING SCREW SPRING
9	C46-25	1	IDLE ADJUSTING SCREW
10	C55-6	1	IDLE JET - SIZE 16
11	T73-9	2	BRACKET DRIVE SCREW
12	T56-20	1	FUEL VALVE WASHER
13	C120-4	1	FLOAT AXLE
14	CR88-8	1	FLOAT HINGE BRACKET
15	C81-17	1	FUEL VALVE ASSEMBLY - SIZE 35
16	C85-28	1	FLOAT ASSEMBLY
17	C71-21	1	MAIN JET ADJUSTMENT
18	T56-25	1	WASHER
19	CT63-2	2	TAPER PIN
20	CR-27-47-1	1	THROTTLE LEVER ASSEMBLY
21	T1S8-10	1	THROTTLE STOP SCREW
22	C131-4X2	1	THROTTLE SHAFT PACKING CAP
23	CT57-4	1	THROTTLE SHAFT PACKING
24	CR37-1X2	1	AIR SHUTTER SHAFT HOLE PLUG
25	CR121-5	1	AIR SHUTTER STOP PIN
26	CR24-87	1	AIR SHUTTER LEVER ASSEMBLY
27	CT57-9	1	AIR SHUTTER SHAFT PACKING
28	C131-4X2	1	AIR SHUTTER SHAFT PACKING CAP
29	C108-50	1	AIR SHUTTER SHAFT AND LEVER ASSEMBLY
30	C120-9	1	AIR SHUTTER LEVER RATCHET PIN
31	C23-101	1	THROTTLE SHAFT
32	CR37-1X1	1	THROTTLE SHAFT HOLE PLUG
33	C38-21	1	VENTURI - SIZE 18
34	C142-16	1	BODY TO BOWL GASKET
35	C52-2	1	WELL VENT - SIZE 28
36	B3-39A	1	FUEL BOWL ASSEMBLY
37	C101-17	1	AIR SHUTTER ASSEMBLY
38	T41-5	2	AIR SHUTTER SCREW LOCKWASHER
39	T15B5-3	2	AIR SHUTTER SCREW
40	C66-26-2	1	DISCHARGE JET - SIZE 50
41	T56-60	1	DISCHARGE JET WASHER
42	CT150-1	1	DRAIN COCK
43	T56-24	1	MAIN JET WASHER
44	C52-6	1	MAIN JET - SIZE 28



OIL PUMP  
(GROUP 280010)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3186	1	OIL PUMP ASSEMBLY - INCLUDES ITEMS 2 THRU 17
2	U-3181	1	PUMP BODY
3	U-3168	1	PUMP SHAFT
4	U-3100	1	PUMP DRIVE GEAR
5	U-3174	1	PUMP DRIVE GEAR PIN
6	U-3169	1	PUMP GEAR - DRIVER
7	910173	1	#2 WOODRUFF KEY
8	U-3171	1	PUMP IDLER PIN
9	U-3170	1	PUMP GEAR - DRIVEN
10	U-3173	1	THRUST COLLAR
11	U-3172	1	THRUST COLLAR PIN
12	U-3175	1	PUMP COVER
13	U-3176	1	COVER GASKET
14	901216	6	#10 x 1/2" FILLISTER HEAD MACHINE SCREW
15	U-3182	1	SCREEN
16	206086	1	SCREEN LOCKWIRE
17	904203	6	3/16 LOCKWASHER
18	904205	2	5/16" LOCKWASHER
19	903772	2	5/16" x 1" HEX. CAPSCREW - COARSE THREAD
20	U-3107	1	OIL PUMP TUBE ASSEMBLY - INCLUDES ITEMS 21 AND 22
21		1	OIL PUMP TUBE
22	910127	2	#68F. CONNECTOR 7/16" x 1/4" - INCLUDES 911436 SLEEVES AND 912844 NUTS

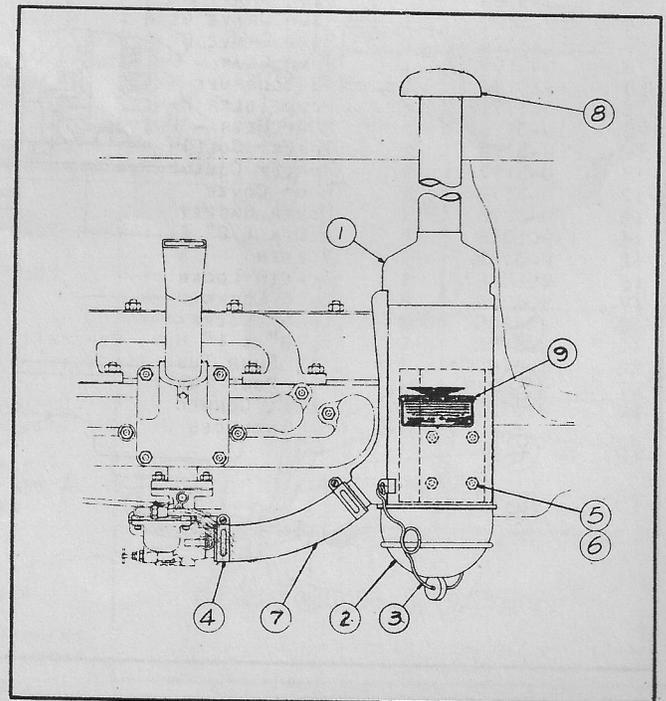


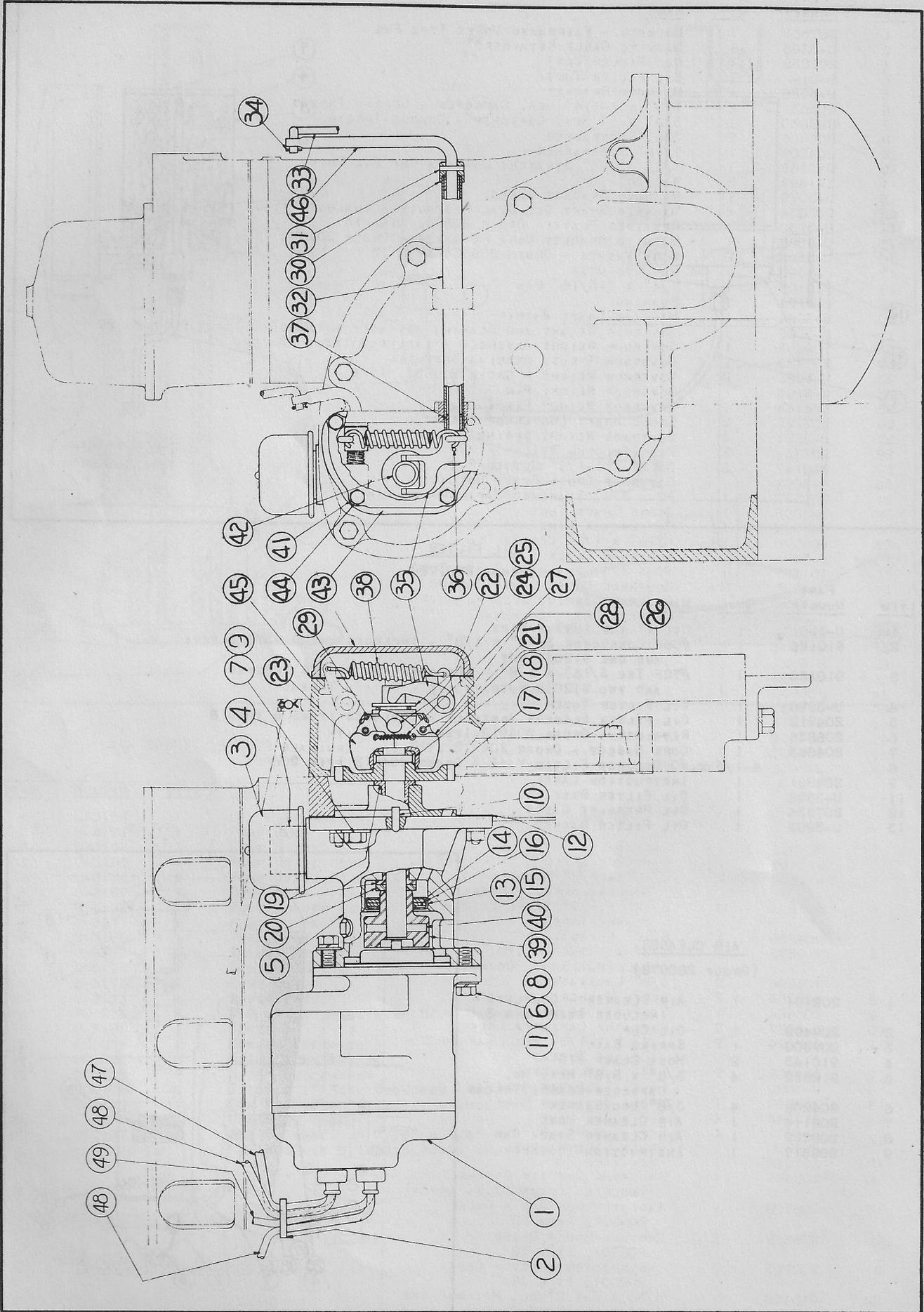
OIL FILTER  
(GROUP 280178)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3901	1	OIL FILTER INTAKE PIPE
2	910126	1	#68F CONNECTOR 3/16" x 1/8" - INCLUDES ONE 912376 SLEEVE AND ONE 912064 NUT
3	910130	1	#72F TEE 3/16" x 1/8" - INCLUDES TWO 912376 SLEEVES AND TWO 912064 NUTS
4	U-3899	1	OIL FILTER TUBE
5	204912	1	OIL FILTER ELEMENT ASSEMBLY - INCLUDES ITEMS 6 THRU 8
6	208836	1	RETAINER - ORDER 204912 ITEM 5
7	204863	1	CORK GASKET - ORDER 204912 ITEM 5
8		4-1/2 oz.	#0 COLORED FILTER YARN - ORDER 204912 ITEM 5
9	204861	1	INSTRUCTION LABEL
11	U-3898	1	OIL FILTER BASE
12	207834	1	OIL PRESSURE GAUGE
13	U-3903	1	OIL FILTER GASKET

AIR CLEANER  
(GROUP 280978)

1	208101	1	AIR CLEANER - COMPLETE - INCLUDES ITEMS 2 & 3
2	209499	1	OIL CUP
3	209500	1	SPRING BAIL
4	910143	2	HOSE CLAMP #10
5	912592	4	3/8" x 5/8" HEX. HD. CAPSCREW-COARSE THREAD
6	904206	4	3/8" LOCKWASHER
7	208114	1	AIR CLEANER HOSE
8	208222	1	AIR CLEANER STACK CAP
9	209517	1	INSTRUCTION TRANSFER





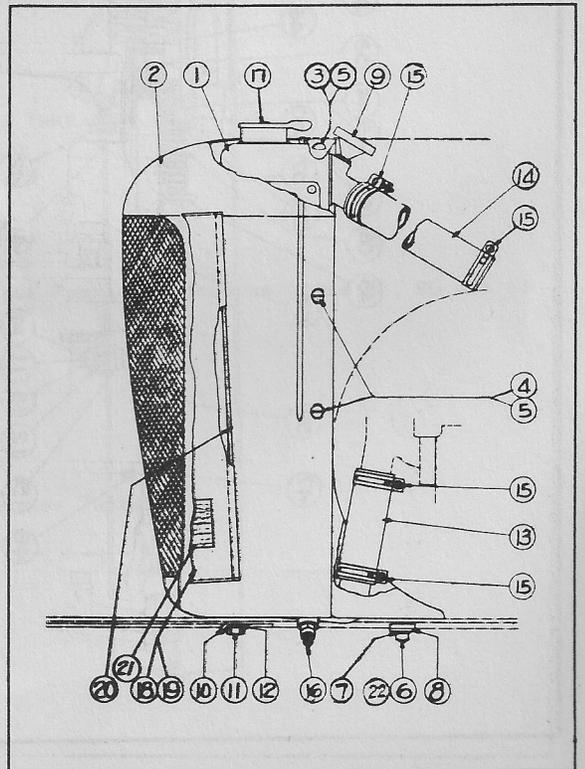
MAGNETO AND GOVERNOR  
(GROUP 280013)

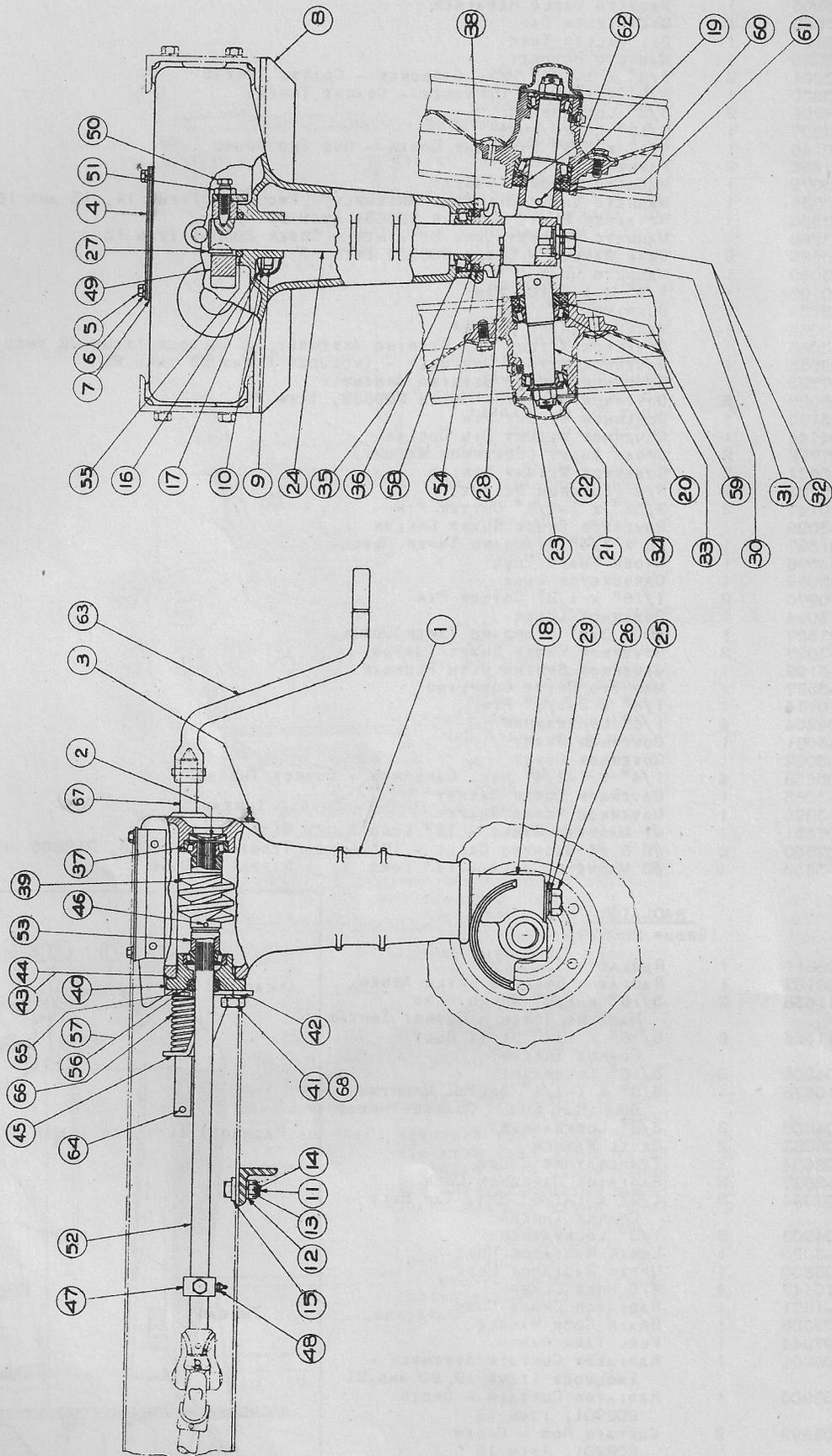
ITEM	PART NUMBER	QTY.	NAME
1	207501	1	MAGNETO - FAIRBANKS MORSE TYPE FM4
2	U-3203	1	MAGNETO CABLE RETAINER
3	207552	1	OIL FILLER CAP
4	U-219	1	OIL FILLER TUBE
5	U-3526	1	MAGNETO BRACKET
6	903631	2	3/8" x 1-1/4" Hex. CAPSCREW - COARSE THREAD
7	903630	1	3/8" x 1" Hex. CAPSCREW - COARSE THREAD
8	904206	2	3/8" LOCKWASHER
9	904207	1	7/16" LOCKWASHER
10	910146	1	1/4" x 3/4" STRAIGHT DOWEL - ONE END ROUND
11	E-1692	2	WASHER
12	U-3079	1	MAGNETO BRACKET GASKET
13	205834	1	MAGNETO SHAFT OIL SEAL ASSEMBLY - INCLUDES ITEMS 14, 15 AND 16
14	U-3530	1	RETAINER PLATE - ORDER 205834 ITEM 13
15	U-3528	1	MAGNETO BRACKET CORK RETAINER - ORDER 205834 ITEM 13
16	U-3529	2	CORK WASHER - ORDER 205834 ITEM 13
17	U-3080	1	MAGNETO GEAR
18	910188	1	1/4" x 1-5/16" PIN
19	U-3124	2	BUSHING
20	U-3084	1	MAGNETO SHAFT WASHER
21	{ U-3086	1	GOVERNOR WEIGHT AND BEARING ASSEMBLY - INCLUDES ITEMS 22 THRU 29
	{ 209655	1	GOVERNOR WEIGHT ASSEMBLY - INCLUDES ITEMS 23 THRU 29
22	207723	1	GOVERNOR THRUST BEARING ASSEMBLY
23	U-3085	2	GOVERNOR WEIGHT - ORDER 209655, ITEM 21
24	U-3193	1	GOVERNOR WEIGHT PIN
25	204144	1	GOVERNOR WEIGHT PIN COLLAR
26	207722	2	CROSS SHAFT (GOVERNOR WEIGHT)
27	U-3621	2	GOVERNOR WEIGHT SPRING
28	207721	2	PIN (FULCRUM WEIGHT)
29	910147	2	3/32" x 1-1/8" COTTER PIN
30	U-3098	1	GOVERNOR CROSS SHAFT COLLAR
31	901357	1	#0 x 3/4" STANDARD TAPER DOWEL
32	U-3096	1	CROSS SHAFT TUBE
33	U-3099	1	CARBURETOR LINK
34	900970	2	1/16" x 1/2" COTTER PIN
35	U-3094	1	GOVERNOR LEVER
36	901357	1	#0 x 3/4" STANDARD TAPER DOWEL
37	U-3097	2	GOVERNOR CROSS SHAFT TUBING
38	U-3192	1	GOVERNOR SPRING WITH PLUNGER
39	U-3527	1	MAGNETO DRIVE COUPLING
40	910134	1	1/4" x 2-1/8" PIN
41	904204	4	1/4" LOCKWASHER
42	U-3081	1	GOVERNOR SHAFT
43	U-3082	1	GOVERNOR COVER
44	905658	4	1/4" x 1-1/4" Hex. CAPSCREW - COARSE THREAD
45	U-3083	1	GOVERNOR COVER GASKET
46	U-3095	1	GOVERNOR CROSS SHAFT
47	207551	1	#1 MAGNETO CABLE - 12" LONG
48	207550	2	#2 & #4 MAGNETO CABLE - 17" LONG
49	U-3653	1	#3 MAGNETO CABLE - 14" LONG

WITH  
TERMINALS 206518, 912803 AND  
NIPPLE 206854

RADIATOR  
(GROUP 280979)

1	208211	1	RADIATOR
2	208187	1	RADIATOR SHELL & GRILL ASSEM.
3	911638	2	5/16" x 1/2" ROUND HEAD MACHINE SCREW - COARSE THREAD
4	911526	6	5/16" x 1/2" STOVE BOLT - COARSE THREAD
5	904205	8	5/16" LOCKWASHER
6	910575	1	3/8" x 1-1/4" Sq. Hd. MACHINE BOLT (R.H. SIDE) COARSE THREAD
7	904206	2	3/8" LOCKWASHER
8	208283	2	BEVEL WASHER
9	208684	1	TEMPERATURE GAUGE
10	U-2887	2	RADIATOR CAPSCREW LOCK
11	907094	2	1/2" x 1-1/8" Hex. TAP BOLT - COARSE THREAD
12	904208	2	1/2" LOCKWASHER
13	U-3090	1	LOWER RADIATOR HOSE
14	205800	1	UPPER RADIATOR HOSE
15	910143	4	#10 HOSE CLAMP
16	{ U-1671	1	RADIATOR DRAIN COCK
	{ 209359	1	DRAIN COCK HANDLE
17	207244	1	FUEL TANK CAP
18	208901	1	RADIATOR CURTAIN ASSEMBLY - INCLUDES ITEMS 19, 20 AND 21
19	208900	1	RADIATOR CURTAIN - ORDER 208901, ITEM 18
20	208899	2	CURTAIN ROD - ORDER 208901, ITEM 18
21	209333	1	INSTRUCTION SHEET - ORDER 208901, ITEM 18
22	910158	1	3/8" x 1-1/2" Sq. Hd. MACHINE BOLT (L.H. SIDE) COARSE THREAD

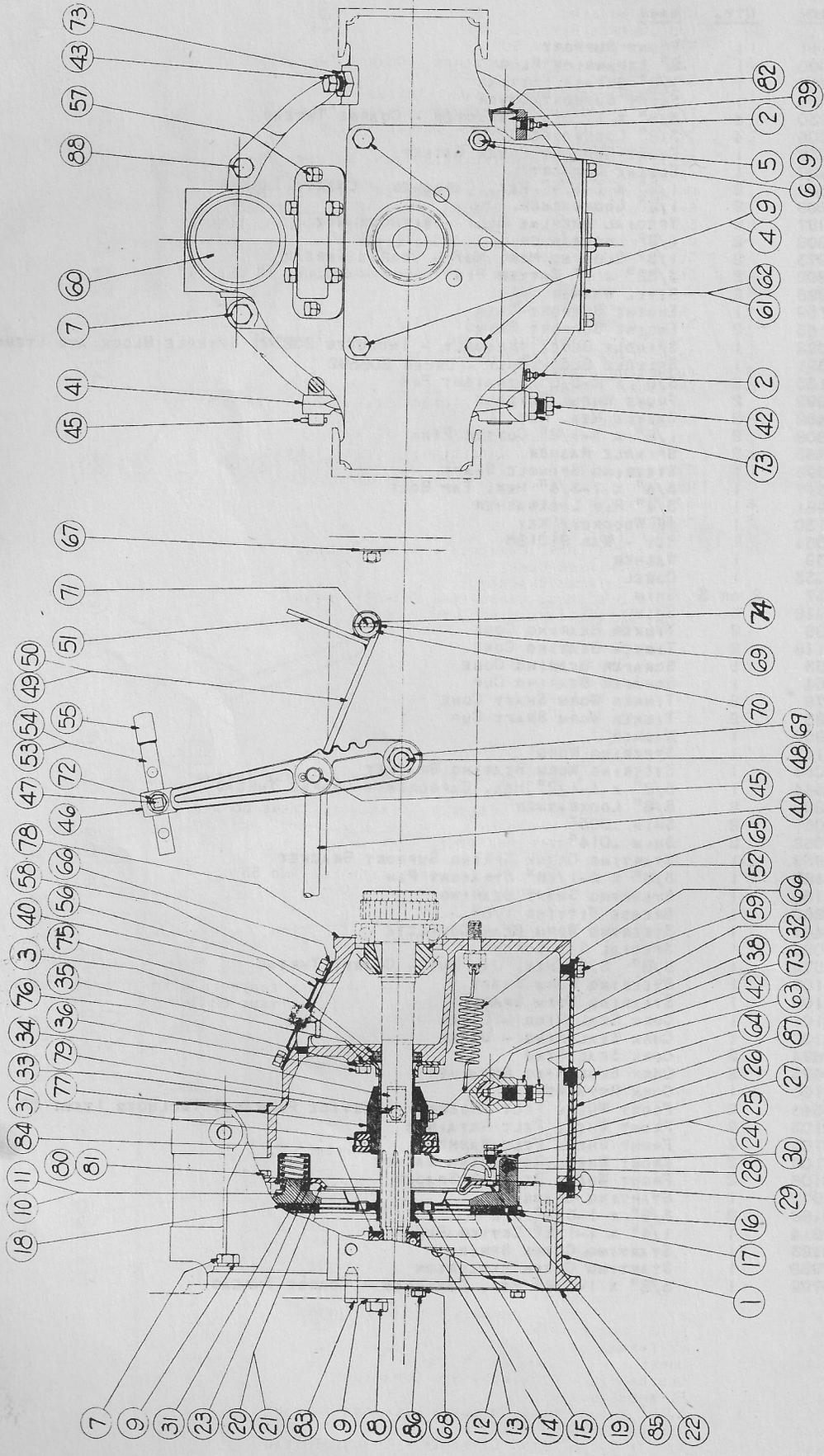




FRONT SUPPORT AND SPINDLE

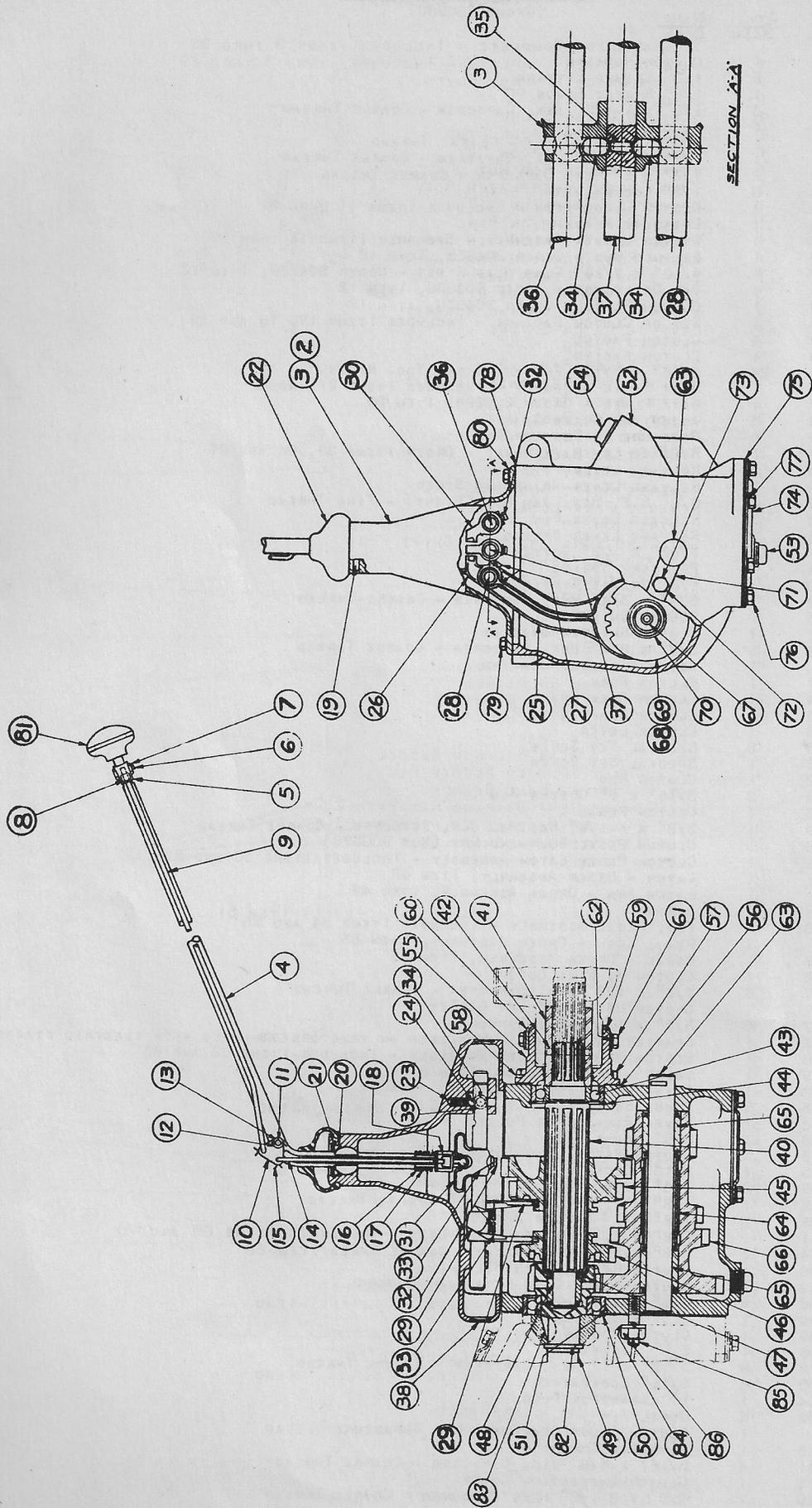
(GROUP 280131)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-2111	1	FRONT SUPPORT
2	910000	1	2" EXPANSION PLUG
3	910260	1	1/8" GREASE FITTING
4	U-2258	1	FRONT SUPPORT COVER
5	903630	4	3/8" x 1" HEX. CAPSCREW - COARSE THREAD
6	904206	4	3/8" LOCKWASHER
7	U-2257	1	FRONT SUPPORT COVER GASKET
8	U-2420	1	ENGINE SUPPORT
9	903638	2	1/2" x 1-1/4" HEX. CAPSCREW - COARSE THREAD
10	904208	2	1/2" LOCKWASHER
11	U-3227	2	SPECIAL MACHINE BOLT - WITHOUT NUT
12	904208	2	1/2" LOCKWASHER
13	902273	2	1/2" SLOTTED HEX. NUT - COARSE THREAD
14	900802	2	3/32" x 1" COTTER PIN
15	U-3226	2	BEVEL WASHER
16	U-3159	1	ENGINE SUPPORT SHIM
17	U-3165	2	ENGINE SUPPORT SHIM
18	208392	1	SPINDLE BLOCK ASSEMBLY - INCLUDES 208391 SPINDLE BLOCK AND ITEMS 19 AND 20
18	208391	1	SPINDLE BLOCK ONLY - ORDER 208392
19	910135	2	3/8" x 2-5/8" STRAIGHT PIN
20	U-2098	2	FRONT WHEEL SPINDLE
21	U-3462	2	CASTLE HEX. NUT
22	900808	2	1/8" x 1-1/2" COTTER PIN
23	U-3463	2	SPINDLE WASHER
24	208393	1	STEERING SPINDLE SHAFT
25	903617	1	3/4" x 1-3/4" HEX. TAP BOLT
26	900981	1	3/4" RIB LOCKWASHER
27	905130	1	#F WOODRUFF KEY
28	208364	1	KEY - WAS 910185
29	E-939	1	WASHER
30	205933	1	DOWEL
31	E-937	2 OR 3	SHIM
32	205932	5	SHIM
33	#2788	2	TIMKEN BEARING CONE
34	#15118	2	TIMKEN BEARING CONE
35	33453	1	SCHAFFER BEARING CONE
36	33454	1	SCHAFFER BEARING CUP
37	15578	2	TIMKEN WORM SHAFT CONE
37	15523	2	TIMKEN WORM SHAFT CUP
38	U-2909	1	WASHER
39	U-1111	1	STEERING WORM
40	U-1063	1	STEERING WORM BEARING BRACKET
41	903644	1	5/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
42	904209	2	5/8" LOCKWASHER
43	U-1061	2	SHIM .005"
44	U-1062	2	SHIM .014"
45	207959	1	STARTING CRANK SPRING SUPPORT BRACKET
46	910187	1	3/8" x 2-1/16" STRAIGHT PIN
47	U-2150	1	STEERING SHAFT BEARING
48	910260	1	GREASE FITTING 1/8"
49	U-3464	1	STEERING WORM GEAR COMPLETE
50	U-2085	1	SPECIAL SET SCREW
51	903574	1	5/8" S.F. HEX. JAM NUT - COARSE THREAD
52	U-2107	1	STEERING WORM SHAFT
53	U-2109	1	STEERING WORM SPACER
54	U-2101	1	CORK SEAL RING - LOWER
55	U-2102	1	CORK SEAL RING - UPPER
56	E-1694	2	CORK SEAL RING
57	E-1695	2	CORK SEAL RING RETAINER
58	U-2100	1	CORK RETAINER
-	208346	2	FRONT WHEEL FELT ASSEMBLY (SERVICE PACKAGE) INCLUDES ITEMS 59, 60 AND 61
59	U-2103	2	FRONT WHEEL FELT RETAINER
60	U-2104	2	FRONT WHEEL FELT WASHER
61	U-2105	2	FRONT WHEEL RETAINING WASHER
62	U-2106	2	FRONT WHEEL BEARING SPACER
63	U-3972	1	STARTING CRANK
64	910186	2	3/8" x 1-3/4" PIN
65	900814	1	1/4" x 1-1/2" COTTER PIN
66	U-2123	1	STARTING CRANK SPRING
67	207958	1	STARTING CRANK EXTENSION
68	903792	1	5/8" x 1-3/4" HEX. CAPSCREW - COARSE THREAD



CLUTCH HOUSING AND CLUTCH  
(GROUP 280980)

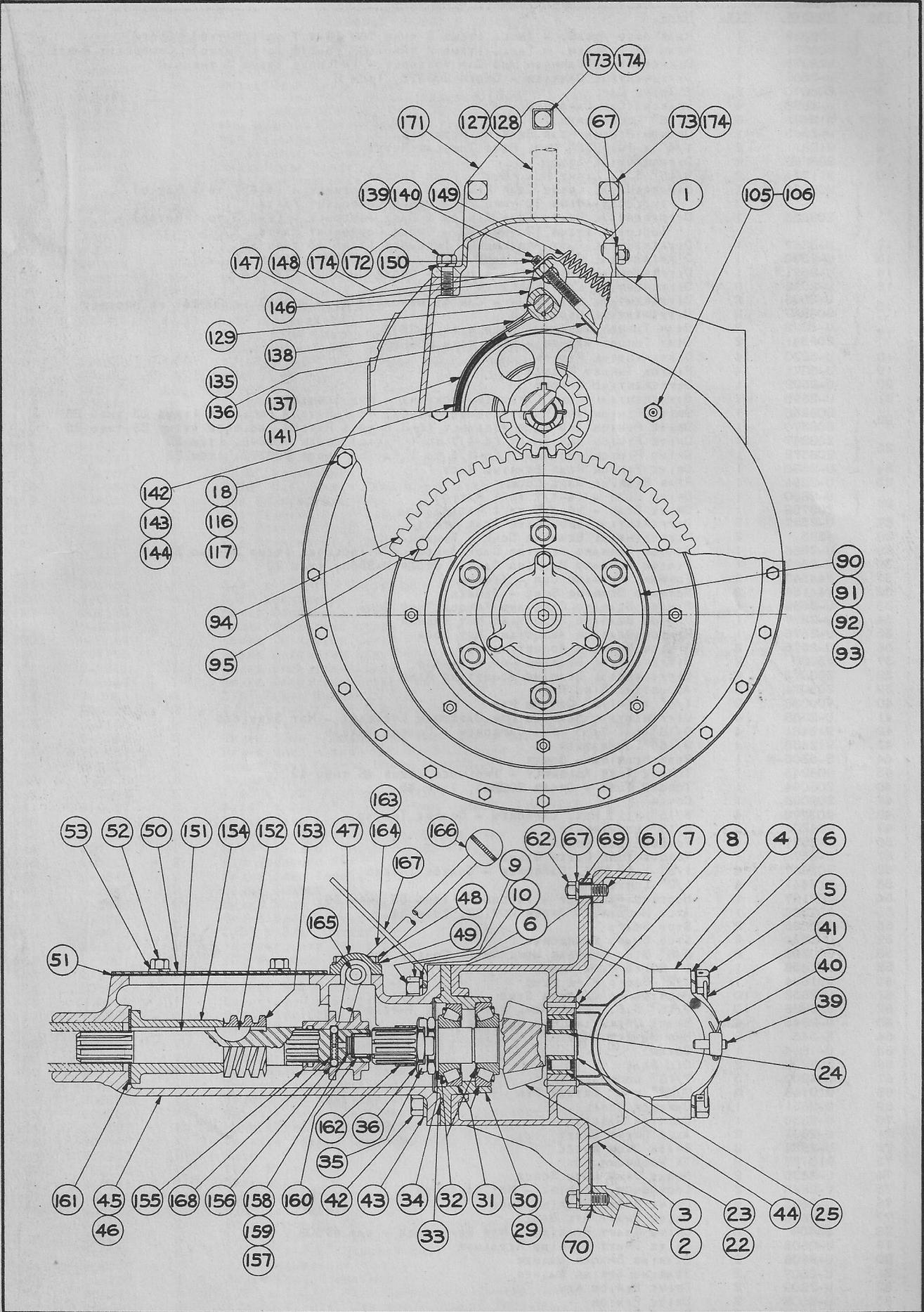
<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	208125	1	CLUTCH HOUSING
2	910260	2	1/8" GREASE FITTING
3	907059	1	1/8" STREET ELBOW 90°
4	903639	3	1/2" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
5	208448	1	STUD
6	900369	1	1/2" S.F. HEX. NUT - COARSE THREAD
7	904541	1	1/2" x 1-3/4" HEX. CAPSCREW - COARSE THREAD
8	903640	2	1/2" x 2" HEX. CAPSCREW - COARSE THREAD
9	904208	8	1/2" LOCKWASHER
10	208295	1	CLUTCH - COMPLETE - INCLUDES ITEMS 11 THRU 31
11	208286	1	PRESSURE PLATE
12	204838	1	DRIVEN MEMBER ASSEMBLY - INCLUDES ITEMS 13 THRU 19
13	207198	1	SPLINED HUB - ORDER 204838, ITEM 12
14	912417	6	5/16" x 7/16" FLAT HEAD RIVET - ORDER 204838, ITEM 12
15	206361	1	OIL DEFLECTOR - ORDER 204838, ITEM 12
16	207199	1	CLUTCH PLATE - ORDER 204838, ITEM 12
—	208345	1	SET OF CLUTCH FACINGS - INCLUDES ITEMS 17, 18 AND 19
17	204839	4	CLUTCH FACING
18	204840	4	CLUTCH FACING
19	911005	24	3/16" x 5/16" FL. HD. CTSK. TUB. RIVET
20	208296	1	BACK PLATE ASSEMBLY - INCLUDES ITEMS 21 AND 22
21	208287	1	BACK PLATE - ORDER 208296, ITEM 20
22	208288	3	ADJUSTING SCREW SEAT
23	208289	6	PRESSURE SPRING CUP
24	208297	3	RELEASE LEVER ASSEMBLY - ORDER ITEMS 25, 26 AND 27
25	208290	3	RELEASE LEVER
26	208291	3	RELEASE LEVER ADJUSTING SCREW
27	910329	3	3/8" S.F. HEX. JAM NUT (LIGHT) - FINE THREAD
28	208292	3	RELEASE LEVER PIN
29	208293	3	RELEASE LEVER SPRING
30	904001	6	3/32" x 1/2" COTTER PIN
31	208294	6	PRESSURE SPRING
32	910260	1	1/8" GREASE FITTING
33	903629	1	3/8" x 3/4" HEX. CAPSCREW - COARSE THREAD
34	U-3623	1	CLUTCH SHIFTER CLIP
35	U-2531	1	CLUTCH SHIFTER BRACKET
36	903629	2	3/8" x 3/4" HEX. CAPSCREW - COARSE THREAD
37	A-729	1	AETNA THROWOUT BEARING
38	208221	1	CLUTCH FORK
39	U-2094	1	CLUTCH FORK SHAFT
40	U-2086	2	CLUTCH SHAFT CORK RING
41	U-2093	1	CLUTCH LEVER
42	U-2265	2	SPECIAL SET SCREW
43	U-2085	1	SPECIAL SET SCREW
44	U-2262	1	CLUTCH ROD
45	900938	2	3/16" x 1" COTTER PIN
46	U-2253	1	CLUTCH PEDAL
47	901279	1	3/8" x 1-1/4" Sq. Hd. C.P. SETSCREW - COARSE THREAD
48	U-3496	1	CLUTCH PEDAL BOLT AND NUT (NUT 900370)
49	U-2256	1	CLUTCH PEDAL LATCH ASSEMBLY - INCLUDES ITEMS 50 AND 51
50		1	LATCH - ORDER ASSEMBLY, ITEM 49
51		1	LATCH ARM - ORDER ASSEMBLY, ITEM 49
52	E-384	1	SPRING
53	U-3498	1	FOOT PEDAL ASSEMBLY - INCLUDES ITEMS 54 AND 55
54		1	PEDAL LEG - ORDER ASSEMBLY, ITEM 53
55	207808	1	PEDAL - ORDER ASSEMBLY, ITEM 53
56	208085	1	CLUTCH HOUSING COVER
57	903627	6	3/8" x 1/2" HEX. CAPSCREW - COARSE THREAD
58	U-2077	1	CLUTCH HOUSING COVER GASKET
59	903627	5	3/8" x 1/2" HEX. CAPSCREW
60	U-1814	1	STARTER HOLE COVER - NOT USED ON TRACTORS EQUIPPED WITH ELECTRIC STARTER
61	208208	1	CLUTCH HOUSING COVER ASSEMBLY - INCLUDES ITEMS 62 AND 63
62	208209	1	COVER - ORDER 208208, ITEM 61
63	208210	1	CLINCH NUT - ORDER 208208, ITEM 61
64	U-3435	2	THUMB SCREW
65	U-2128	1	BEVEL PINION FOR PULLEY DRIVE
66	904206	11	3/8" LOCKWASHER
67	U-3673	1	CLUTCH PEDAL LATCH STOP
68	904205	4	5/16" LOCKWASHER
69	904209	2	5/8" LOCKWASHER
70	910512	1	5/8" H.P. REG. HEX. NUT - COARSE THREAD
71	900806	1	1/8" x 1" COTTER PIN
72	902161	1	3/8" S.F. HEX. JAM NUT - COARSE THREAD
73	903574	3	5/8" S.F. HEX. JAM NUT - COARSE THREAD
74	U-3808	1	CLUTCH PEDAL LATCH BOLT
75	U-2529	1	CLUTCH SHAFT CORK RETAINING WASHER
76	904206	2	3/8" LOCKWASHER
77	U-2530	1	CLUTCH SHIFTER
78	U-2089	1	CLUTCH HOUSING GASKET
79	904206	1	3/8" LOCKWASHER
80	903772	6	5/16" x 1" HEX. CAPSCREW - COARSE THREAD
81	904205	6	5/16" LOCKWASHER
82	910004	1	1" EXPANSION PLUG
83	U-2532	2	DOWEL PIN
84	8505	1	CLUTCH PILOT BEARING - NEW DEPARTURE
85	U-2416	1	FLYWHEEL COVER
86	905661	4	5/16" x 5/8" HEX. CAPSCREW - COARSE THREAD
87	U-2422	1	CLUTCH INSPECTION COVER
88	903642	1	1/2" x 2-1/2" HEX. CAPSCREW - COARSE THREAD



TRANSMISSION  
(GROUP 281107)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	208776	1	TRANSMISSION COMPLETE - INCLUDES ITEMS 2 THRU 82
2	207469	1	CONTROL COVER COMPLETE - INCLUDES ITEMS 3 THRU 39
3	U-3532	1	TRANSMISSION CONTROL COVER
4	208824	1	GEAR SHIFT LEVER
5	U-2761	1	REVERSE LATCH SPOON
6	U-2870	1	REVERSE LATCH SPOON STUD
7	U-2869	1	REVERSE LATCH SPOON NUT
8	U-2746	1	REVERSE LATCH ROD NUT
9	208825	1	LONG SHIFT LEVER LATCH ROD
10	U-2788	1	LATCH ROD TRUNNION
11	U-2787	1	LATCH ROD TRUNNION PIN
12	U-2783	1	LATCH ROD TRUNNION PIN SPRING
13	U-2786	1	LATCH ROD TRUNNION PIN WASHER
14	208826	1	SHORT SHIFT LEVER LATCH ROD
15	900970	3	1/16" x 1/2" COTTER PIN
16	U-2863	1	REVERSE LATCH SPRING WASHER
17	U-2747	1	REVERSE LATCH SPRING
18	U-2745	1	REVERSE LATCH
19	U-3465	1	SHIFT LEVER PIVOT PIN
20	207772	1	SHIFT LEVER RETAINING WASHER
21	U-2875	1	SHIFT LEVER RETAINING SNAP RING
22	U-2762	1	SHIFT LEVER DUST CAP
23	U-2752	3	GEAR SHIFT POPPET SPRING
24	905360	3	3/8" STEEL BALL
25	U-2789	1	REVERSE SHIFT FORK
26	U-2795	1	REVERSE SHIFT ROD LUG
27	U-2759	2	REVERSE FORK LOCK SCREW
28	U-2792	1	REVERSE SHIFT ROD
29	U-2858	2	1ST, 2ND, 3RD AND HIGH SHIFT FORK
30	U-2763	1	1ST AND 2ND SHIFT LUG
31	U-2751	1	3RD AND HIGH SHIFT LUG
32	U-2864	4	SHIFT FORK LOCK SCREW
33	U-2865	6	LOCKING WIRE
34	204882	2	INTERLOCK PLUNGER
35	206049	1	INTERLOCK PIN
36	U-2778	1	1ST AND 2ND SHIFT ROD
37	U-2777	1	3RD AND HIGH SHIFT ROD
38	910013	6	13/16" EXPANSION PLUG
39	910001	1	5/8" EXPANSION PLUG
40	U-2748	1	SPLINED MAIN SHAFT
41	U-2770	1	MAIN SHAFT REAR SPLINED SLEEVE
42	U-2784	1	MAIN SHAFT SPLINED SLEEVE PIN
43	1208	1	NEW DEPARTURE BALL BEARING
44	U-2760	1	MAIN SHAFT REAR BEARING RETAINER RING
45	U-2775	1	1ST, 2ND AND REVERSE MAIN SHAFT GEAR
46	U-2791	1	HIGH AND 3RD MAIN SHAFT GEAR
47	U-2868	1	SPIGOT BEARING SPACER
48	94520	1	HYATT ROLLER BEARING
49	U-2857	1	CLUTCH SHAFT AND GEAR
50	47510-2	1	NEW DEPARTURE BALL BEARING - INCLUDES ITEM 51
51	209521	1	SNAP RING
52	U-2758	1	TRANSMISSION CASE
53	901655	1	3/4" SOLID PIPE PLUG
54	901656	1	1" SOLID PIPE PLUG
55	U-2794	1	MAIN SHAFT REAR BEARING CAP
56	U-2772	1	REAR BEARING CAP GASKET
57	903775	4	3/8" x 7/8" HEX. CAPSCREW - COARSE THREAD
58	904206	4	3/8" LOCKWASHER
59	U-2860	1	MAIN SHAFT DUST CAP PACKING
60	U-2861	1	DUST FELT RETAINING CAP
61	906692	2	1/4" x 3/8" HEX. CAPSCREW - COARSE THREAD
62	904204	2	1/4" LOCKWASHER
63	U-2776	1	COUNTER SHAFT
64	U-2771	1	COUNTER SHAFT BEARING SPACER
65	94632	2	HYATT ROLLER BEARING
66	U-2753	1	COUNTER SHAFT GEAR CLUSTER
67	U-2796	1	REVERSE IDLER GEAR SHAFT
68	207864	1	REVERSE IDLER GEAR COMPLETE - INCLUDES ITEMS 69 AND 70
69	U-2790	1	REVERSE IDLER GEAR - ORDER 207864, ITEM 68
70	U-2867	1	REVERSE IDLER GEAR BUSHING
71	U-2764	1	COUNTER SHAFT AND REVERSE LOCK PLATE
72	903628	1	3/8" x 5/8" HEX. CAPSCREW - COARSE THREAD
73	904206	1	3/8" LOCKWASHER
74	U-2797	1	POWER TAKE-OFF COVER
75	U-2077	1	POWER TAKE-OFF COVER GASKET
76	903628	6	3/8" x 5/8" HEX. CAPSCREW - COARSE THREAD
77	904206	6	3/8" LOCKWASHER
78	U-2773	1	TRANSMISSION COVER GASKET
79	903772	6	5/16" x 1" HEX. CAPSCREW - COARSE THREAD
80	904205	6	5/16" LOCKWASHER
81	U-2862	1	SHIFT LEVER BALL
82	U-2876	1	SNAP RING
83	905129	1	1/2" x 5/16" x 1-1/4" WOODRUFF KEY
84	904208	1	1/2" LOCKWASHER
85	U-2078	1	SPECIAL STUD
86	900369	1	1/2" S.F. HEX. NUT





REAR AXLE  
(GROUP 280991 & 281027)

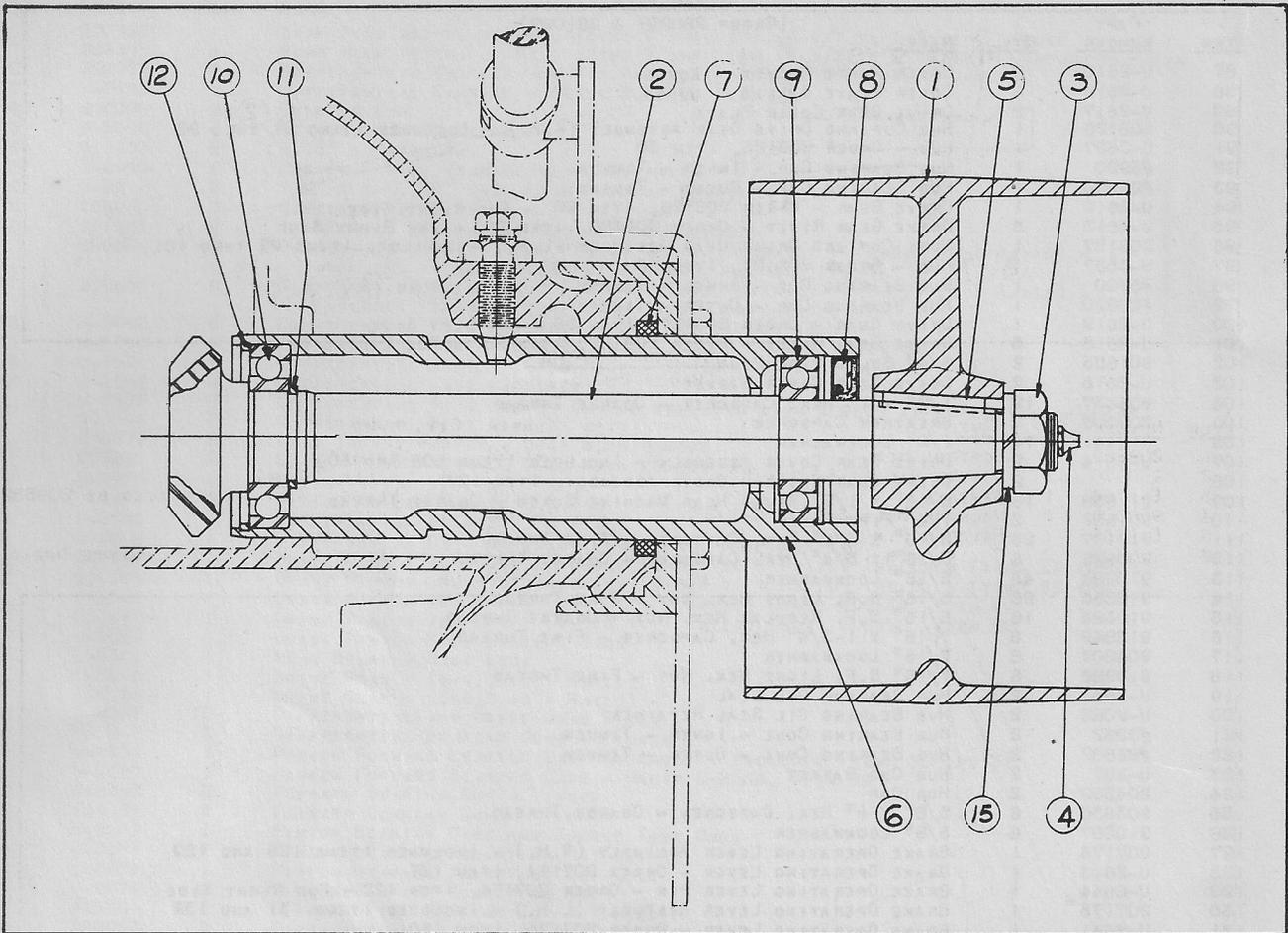
ITEM	PART NUMBER	QTY.	NAME
1	208328	1	REAR AXLE ASSEM. - INCL. ITEMS 2 THRU 168 (4-4/7 TO 1 RATIO) } ORDER
	208371	1	REAR AXLE ASSEM. - INCL. ITEMS 2 THRU 168 (6-3/5 TO 1 RATIO) } COMPONENT PARTS
2	208373	1	DIFFERENTIAL CARRIER AND CAP ASSEMBLY - INCLUDES ITEMS 3 THRU 10
3	U-2562	1	DIFFERENTIAL CARRIER - ORDER 208373, ITEM 2
4	208070	2	BEARING CAP
5	U-2578	4	BEARING CAP CAPSCREW
6	912433	6	9/16" LOCKWASHER
7	U-2565	1	DRIVEN PINION REAR BEARING RETAINER
8	912811	2	1/4" x 1-11/32" OVAL HEAD TUBULAR RIVET
9	208260	2	DIFFERENTIAL STUD
10	911331	2	9/16" S.F. LIGHT HEX. NUT - FINE THREAD
	208654	1	DIFFERENTIAL DRIVE GEAR PINION & CASE ASSEMBLY - (4-4/7 TO 1 RATIO) - INCLUDES ITEMS 12 THRU 27 - ORDER COMPONENT PARTS
11	208653	1	DIFFERENTIAL DRIVE GEAR PINION & CASE ASSEMBLY - (6-3/5 TO 1 RATIO) - INCLUDES ITEMS 12 THRU 27 - ORDER COMPONENT PARTS
12	U-3269	1	DIFFERENTIAL CASE ASSEMBLY - INCLUDES ITEMS 13 THRU 15
13	U-2590	1	DIFFERENTIAL CASE - FLANGE HALF - ORDER U-3269, ITEM 12
14	U-2591	1	DIFFERENTIAL CASE - PLAIN HALF - ORDER U-3269, ITEM 12
15	U-2582	8	DIFFERENTIAL CASE CAPSCREW
16	U-2593	2	DIFFERENTIAL SIDE GEAR - CAN BE REPLACED WITH 209859 IF 209341 IS ORDERED
	209859	2	DIFFERENTIAL SIDE GEAR
17	U-3272	2	GEAR THRUST WASHER - USED WITH U-2593
	209341	2	GEAR THRUST WASHER - USED WITH 209859
18	U-3270	4	DIFFERENTIAL PINION
19	U-3271	4	PINION THRUST WASHER
20	U-2592	1	DIFFERENTIAL SPIDER
21	U-2595	1	DIFFERENTIAL CASE CAPSCREW LOCKWIRE - NOT SERVICED
22	208246	1	DRIVE PINION AND RACE ASSEMBLY (4-4/7 TO 1 RATIO) INCLUDES ITEMS 23 THRU 25
	208370	1	DRIVE PINION AND RACE ASSEMBLY (6-3/5 TO 1 RATIO) INCLUDES ITEMS 23 THRU 25
23	208247	1	DRIVE PINION AND SHAFT (4-4/7 TO 1 RATIO) ORDER 208246, ITEM 22
	208372	1	DRIVE PINION AND SHAFT (6-3/5 TO 1 RATIO) ORDER 208370, ITEM 22
24	U-2580	1	DRIVE PINION REAR BEARING RACE
25	U-2581	1	REAR BEARING RACE LOCK
26	U-2600	1	DRIVE GEAR - (4-4/7 TO 1 RATIO)
	205788	1	DRIVE GEAR - (6-3/5 TO 1 RATIO)
27	U-2597	12	DIFFERENTIAL AND DRIVE GEAR RIVET
28	#395	2	DIFFERENTIAL BEARING CONE - TIMKEN
29	U-2566	1	PINION FORWARD BEARING CAGE ASSEMBLY - INCLUDES ITEMS 30 AND 31
30	U-2567	1	PINION FORWARD BEARING CAGE - ORDER U-2566, ITEM 29
31	#44348	2	FORWARD BEARING CUP - TIMKEN
32	#44156	2	FORWARD BEARING CONE - TIMKEN
33	U-2569	1	PINION BEARING CAGE AND TORQUE TUBE CORK
34	U-2577	1	PINION BEARING ADJUSTING NUT WASHER
35	U-2576	1	PINION BEARING ADJUSTING NUT LOCK
36	U-2575	2	PINION BEARING ADJUSTING NUT
37	#3920	2	DIFFERENTIAL BEARING CUP - TIMKEN
38	208073	2	DIFFERENTIAL BEARING ADJUSTING RING
39	208074	2	ADJUSTING RING PIN
40	900808	2	1/8" x 1-1/2" COTTER PIN
41	U-2588	4	DIFFERENTIAL BEARING CAP CAPSCREW LOCKWIRE - NOT SERVICED
42	912461	4	9/16" x 1-7/8" HEX. CAPSCREW - COARSE THREAD
43	912433	4	9/16" LOCKWASHER
44	S-5305-W	1	REAR BEARING - BOWER
45	208245	1	TORQUE TUBE ASSEMBLY - INCLUDES ITEMS 46 THRU 49
46	208094	1	TORQUE TUBE - ORDER 208245, ITEM 45
47	208098	1	COVER
48	903772	4	5/16" x 1" HEX. CAPSCREW - COARSE THREAD
49	904205	4	5/16" LOCKWASHER
50	U-2571	1	TORQUE TUBE COVER
51	U-2572	1	TORQUE TUBE COVER GASKET
52	903637	4	1/2" x 1" HEX. CAPSCREW - COARSE THREAD
53	912441	4	1/2" LOCKWASHER
54	207187	1	HOUSING ASSEMBLY - INCLUDES ITEMS 55 THRU 66
55	207582	1	AXLE HOUSING - ORDER 207187, ITEM 54
56	208625	2	STUB SHAFT
57	U-2621	2	STUB SHAFT LOCKSCREW
58	910508	2	5/8" S.F. REGULAR HEX. NUT - COARSE THREAD
59	901656	1	1" SOLID PIPE PLUG
60	901654	1	1/2" SOLID PIPE PLUG
61	U-2632	10	HOUSING TO CARRIER STUD
62	910986	10	7/16" S.F. LIGHT HEX. NUT - FINE THREAD
63	U-2645	4	BRAKE OPERATING PIN BUSHING
64	E-343	2	HUB BEARING NUT
65	U-1814	1	COVER
66	207708	2	OIL SEAL
67	904207	10	7/16" LOCKWASHER
68	910148	2	7/32" x 2" COTTER PIN
69	U-2631	1	CARRIER DOWEL
70	U-2630	1	CARRIER GASKET
71	U-2601	2	AXLE DRIVE SHAFT
72	U-2624	2	BRAKE DRUM WHEEL
73	910157	2	TX WOODRUFF KEY
74	U-2625	2	BRAKE DRUM LOCK SCREW
75	U-2626	2	LOCKSCREW LOCKWIRE - NOT SERVICED
76	U-2603	2	DRIVE SHAFT BEARING CAGE
77	U-2602	2	DRIVE SHAFT OIL SEAL
78	#3309	2	DRIVE SHAFT BEARING - NEW DEPARTURE - WAS #7309
79	U-2605	2	DRIVE SHAFT BEARING RETAINER
80	U-2606	2	BEARING SPACER WASHER
81	U-2607	2	BEARING SPRING WASHER
82	U-2609	2	DRIVE PINION KEY
83	U-2608	2	DRIVE PINION
84	U-2610	2	DRIVE PINION WASHER
85	U-2611	2	DRIVE PINION NUT
86	900808	2	1/8" x 1-1/2" COTTER PIN

(CONTINUED)

REAR AXLE

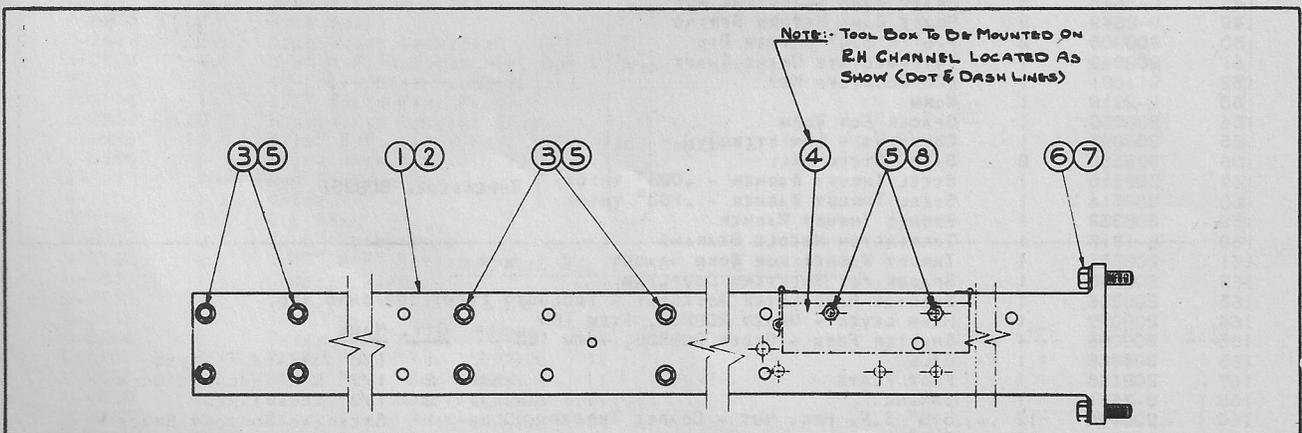
(GROUP 280991 & 281027)

ITEM	PART NUMBER	QTY.	NAME
87	U-2618	2	COVER PLATE GASKET - LOWER
88	U-2619	2	COVER PLATE GASKET - UPPER
89	U-2617	2	DRIVE GEAR COVER PLATE
90	208126	1	HUB CUP AND DRIVE GEAR ASSEMBLY (R.H.) - INCLUDES ITEMS 91 THRU 95
91	U-2627	1	HUB - ORDER 208126, ITEM 90
92	#3920	1	HUB BEARING CUP - INNER - TIMKEN
93	#26820	1	HUB BEARING CUP - OUTER - TIMKEN
94	U-2612	1	DRIVE GEAR - ORDER 208126, ITEM 90 - FOR RIGHT SIDE
95	U-2613	3	DRIVE GEAR RIVET - ORDER 208126, ITEM 90 - FOR RIGHT SIDE
96	208127	1	HUB, CUP AND DRIVE GEAR ASSEMBLY (L.H.) - INCLUDES ITEMS 97 THRU 101
97	U-3537	1	HUB - ORDER 208127, ITEM 96
98	#3920	1	HUB BEARING CUP - INNER - TIMKEN
99	#26820	1	HUB BEARING CUP - OUTER - TIMKEN
100	U-2612	1	DRIVE GEAR - ORDER 208127, ITEM 96 - FOR LEFT SIDE
101	U-2613	3	DRIVE GEAR RIVET - ORDER 208127, ITEM 96 - FOR LEFT SIDE
102	901655	2	3/4" SOLID PIPE PLUG
103	U-2615	2	DRIVE GEAR COVER GASKET
104	903637	12	1/2" x 1" HEX. CAPSCREW - COARSE THREAD
105	205506	2	BREATHER CAPSCREW
106	912441	14	1/2" LOCKWASHER
107	U-2614	2	DRIVE GEAR COVER ASSEMBLY - INCLUDES ITEMS 108 AND 109
108		2	DRIVE GEAR COVER - ORDER ASSEMBLY, ITEM 107
109	911638	16	5/16" x 1/2" ROUND HEAD MACHINE SCREW - COARSE THREAD
110	901652	2	1/4" PIPE PLUG
111	910167	26	5/16" x 3/4" HEX. CAPSCREW - FINE THREAD
112	903626	6	5/16" x 3/4" HEX. CAPSCREW - COARSE THREAD
113	910286	48	5/16" LOCKWASHER
114	910233	26	5/16" S.F. LIGHT HEX. NUT - FINE THREAD
115	910323	16	5/16" S.F. REGULAR HEX. NUT - COARSE THREAD
116	912849	8	7/16" x 1-3/4" HEX. CAPSCREW - FINE THREAD
117	904207	8	7/16" LOCKWASHER
118	910986	8	7/16" S.F. LIGHT HEX. NUT - FINE THREAD
119	U-2533	2	HUB BEARING OIL SEAL
120	U-2082	2	HUB BEARING OIL SEAL RETAINER
121	#3982	2	HUB BEARING CONE - INNER - TIMKEN
122	#26882	2	HUB BEARING CONE - OUTER - TIMKEN
123	U-587	2	HUB CAP GASKET
124	204339	2	HUB CAP
125	905630	6	3/8" x 1" HEX. CAPSCREW - COARSE THREAD
126	910287	6	3/8" LOCKWASHER
127	207174	1	BRAKE OPERATING LEVER ASSEMBLY (R.H.) - INCLUDES ITEMS 128 AND 129
128	U-2643	1	BRAKE OPERATING LEVER - ORDER 207174, ITEM 127
129	U-2644	1	BRAKE OPERATING LEVER PIN - ORDER 207174, ITEM 127 - FOR RIGHT SIDE
130	207175	1	BRAKE OPERATING LEVER ASSEMBLY (L.H.) - INCLUDES ITEMS 131 AND 132
131	U-2641	1	BRAKE OPERATING LEVER - ORDER 207175, ITEM 130
132	U-2644	1	BRAKE OPERATING LEVER PIN - ORDER 207175, ITEM 130 - FOR LEFT SIDE
133	910255	2	3/4" PLAIN WASHER
134	900307	2	1/8" x 1-1/4" COTTER PIN
135	U-2633	2	BRAKE BAND ASSEMBLY - INCLUDES ITEMS 136 THRU 144
136	U-2634	2	BRAKE BAND - ADJUSTING END HALF - ORDER U-2633, ITEM 135
137	206444	2	BRAKE BAND - LOOP END HALF - ORDER U-2633, ITEM 135
138	U-2635	2	BRAKE BAND LOOP - ORDER U-2633, ITEM 135
139	U-2636	2	ADJUSTING END
140	904064	6	1/4" x 1/2" FLAT HEAD RIVET
141	910367	2	5/16" x 2-3/4" PIN - ORDER U-2633, ITEM 135
142	U-2639	2	BRAKE BAND LINING - LOOP HALF
143	U-2638	2	BRAKE BAND LINING - ADJUSTING HALF
144	907166	32	3/16" x 5/16" HOLLOW BRASS RIVET
145	905125	2	#13 WOODRUFF KEY
146	U-2646	2	BRAKE BAND TOGGLE
147	U-2647	2	BRAKE TOGGLE PIN
148	U-2648	2	BRAKE BAND ADJUSTING NUT
149	U-2649	2	BRAKE BAND RETURN SPRING
150	900805	2	1/8" x 3/4" COTTER PIN
151	208249	1	INTERMEDIATE DRIVE SHAFT
152	911021	1	#25 WOODRUFF KEY
153	U-2219	1	WORM
154	208250	1	SPACER FOR WORM
155	208095	1	COUPLING - (SHIFTING)
156	905359	2	5/16" STEEL BALL
157	209515	1	STEEL THRUST WASHER - .093" THICK
158	209514	1	STEEL THRUST WASHER - .103" THICK
159	208252	1	BRONZE THRUST WASHER
160	B-1212	1	TORRINGTON NEEDLE BEARING
161	208254	1	THRUST WASHER FOR WORM SPACER
162	208255	1	SPACER FOR SHIFTING COUPLING
163	208256	1	SHIFTER HAND LEVER ASSEMBLY - INCLUDES ITEMS 164 THRU 166
164	208097	1	HAND LEVER - ORDER 208256, ITEM 163
165	208096	1	SHIFTER FORK - ORDER 208256, ITEM 163
166	206456	1	BALL
167	208186	1	FOOT PLATE
168	U-3661	1	SPRING
169	900370	12	5/8" S.F. HEX. NUT - COARSE THREAD
170	904209	12	5/8" LOCKWASHER
171	209503	2	BRAKE HOUSING COVER - SUPERSEDES 209021
172	903638	4	1/2" x 1-1/4" HEX. CAPSCREW - COARSE THREAD
173	910632	6	1/2" x 1-1/2" MACHINE BOLT - COARSE THREAD
174	904208	10	1/2" LOCKWASHER
175	U-2537	2	BRAKE LOCK ECCENTRIC
176	904541	2	1/2" x 1-3/4" HEX. CAPSCREW - COARSE THREAD
177	902021	2	1/2" S.F. HEX. JAM NUT - COARSE THREAD
178	U-2079	12	REAR WHEEL STUD
179	910260	2	1/8" GREASE FITTING



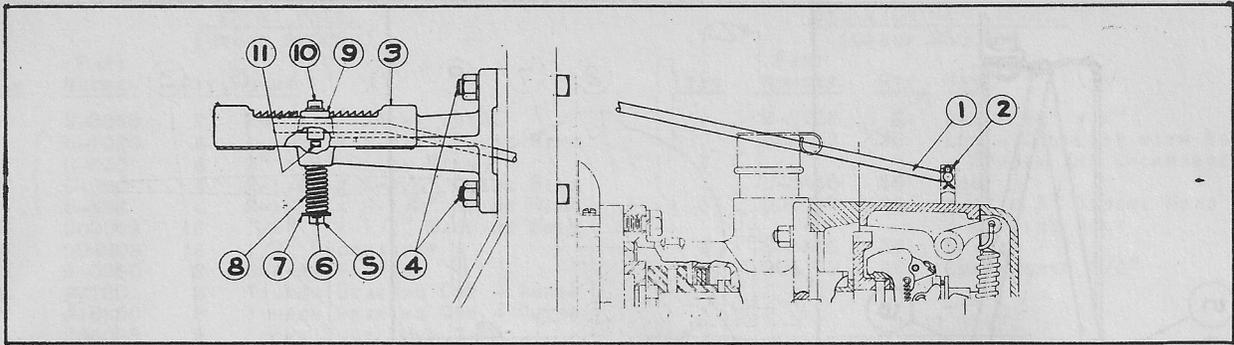
**BELT PULLEY**  
(GROUP 281093)

ITEM	PART NUMBER	QTY.	NAME	ITEM	PART NUMBER	QTY.	NAME
1	U-2671	1	PULLEY	9	#0107-A	1	BALL BEARING N.D. - Was #0107
2	U-2672	1	PULLEY SHAFT	10	#0108-A	1	BALL BEARING N.D. - Was #0108
3	906910	1	1" HEX. JAM NUT - FINE THREAD	11	208710	1	SNAP RING
4	910260	1	GREASE FITTING 1/8"	12	208709	1	SNAP RING
5	905857	1	KEY 1/4" x 1/4" x 1-3/4"		U-3352	1	COVER } USED WHEN TRACTOR
6	U-2673	1	TUBE		U-3353	1	GASKET } HAS NO BELT PULLEY
7	U-2289	1	TUBE RING	15	906968	1	1" LIGHT LOCKWASHER
8	208711	1	OIL SEAL		U-2891	1	PULLEY INSTRUCTION TAG



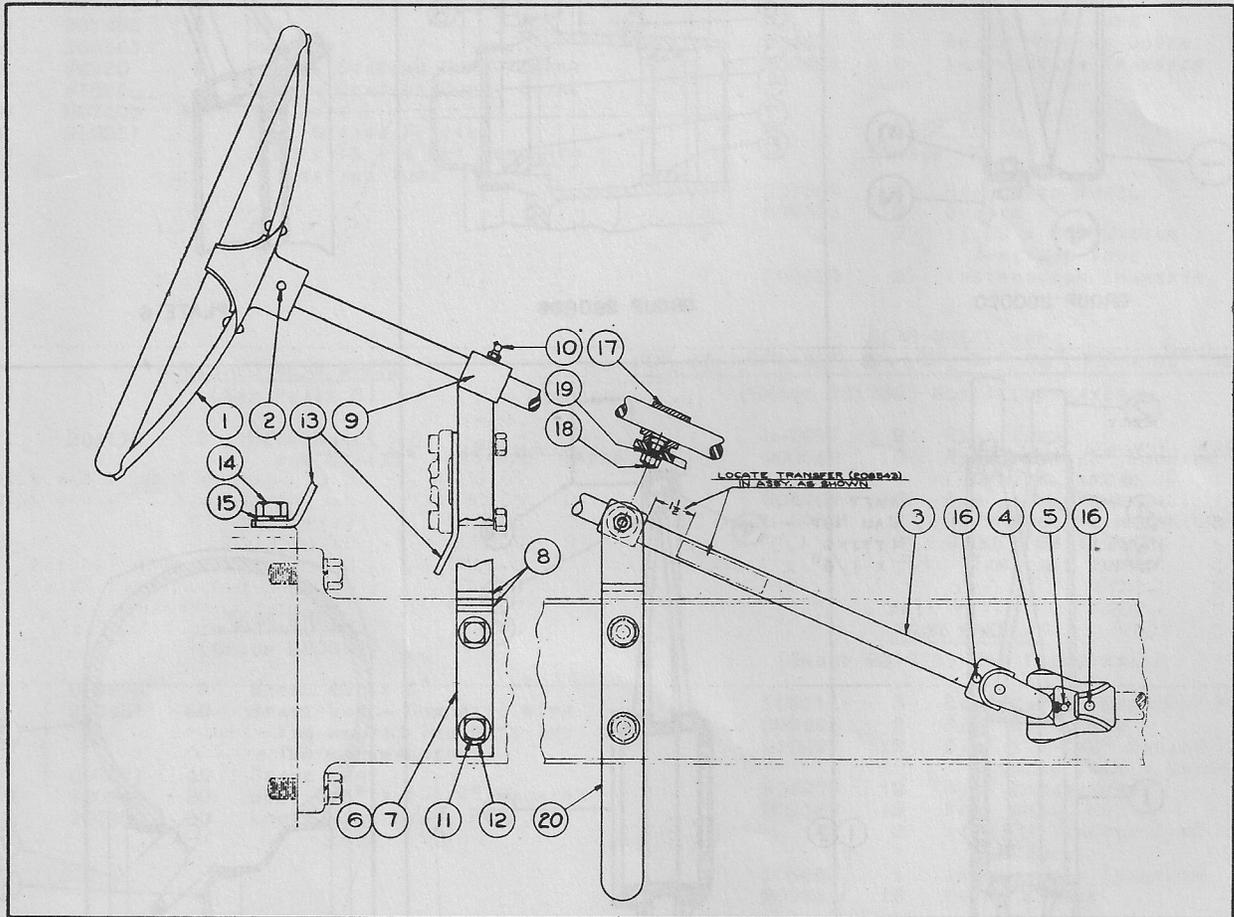
**FRAME**  
(GROUP 280015)

1	U-2414	1	R.H. CHANNEL	5	904208	20	LOCKWASHER 1/2"
2	U-2415	1	L.H. CHANNEL	6	U-2283	4	CAPSCREW
3	903638	18	CAPSCREW 1/2" x 1-1/4" HEX. - COARSE THREAD	7	904369	4	LOCKWASHER 3/4"
4	208446	1	TOOL BOX	8	900017	2	MACHINE BOLT 1/2" x 1"



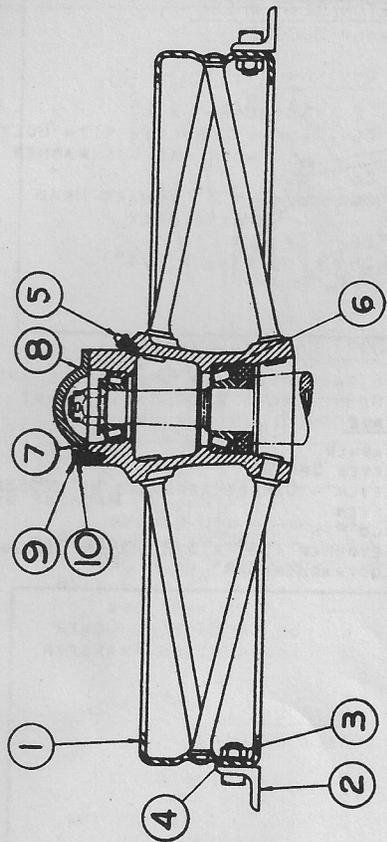
**GOVERNOR CONTROL**  
(GROUP 280031)

ITEM	PART NUMBER	QTY.	NAME	ITEM	PART NUMBER	QTY.	NAME
1	208259	1	CONTROL ROD	7	E-1692	1	WASHER
2	900970	1	COTTER PIN 1/16" x 1/2"	8	E-1690	1	LEVER SPRING
3	E-1764	1	BRACKET	9	E-1689	1	LEVER - CAN BE REPLACED BY 209552
4	900009	2	MACHINE BOLT 3/8" x 2-1/2"	10	209552	1	LEVER
5	E-1765	1	FULCRUM PIN	11	E-1333	1	ROD PIN
6	900805	2	COTTER PIN 1/8" x 3/4"	12	903807	1	SETSCREW 1/4" x 3/8" - COARSE THREAD
					904206	2	LOCKWASHER 3/8"

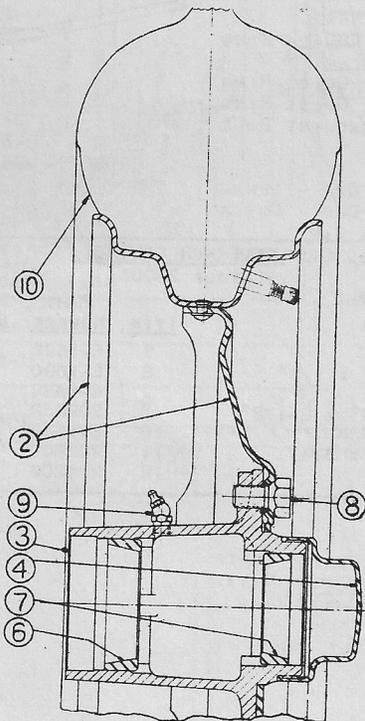


**STEERING WHEEL SHAFT AND SUPPORT**  
(GROUP 280025)

ITEM	PART NUMBER	QTY.	NAME	ITEM	PART NUMBER	QTY.	NAME
1	U-2260	1	HAND WHEEL	10	910262	1	1/8" GREASE FITTING
2	912343	1	3/8" x 2" GROOVE PIN - TYPE I	11	900026	2	1/2" x 4" MACHINE BOLT
3	U-2151	1	STEERING SHAFT	12	904208	2	1/2" LOCKWASHER
4	U-2152	1	UNIVERSAL JOINT	13	205286	1	STEERING SUPPORT BRACE
5	910262	1	1/8" GREASE FITTING	14	205287	1	STEERING BRACE CAPSCREW
6	208869	1	STEERING SHAFT SUPPORT ASSEM. - INCLUDES ITEMS 7, 8 AND 9	15	904369	1	3/4" LOCKWASHER
7	208870	1	STEERING SHAFT SUPPORT - ORDER 208869, ITEM 6	16	912855	2	3/8" x 1-7/8" STRAIGHT PIN - WAS 910186
8	208871	2	PLATE - ORDER 208869, ITEM 6	17	208597	1	STEERING SHAFT GUIDE (LOWER)
9	U-2114	1	GUIDE - ORDER 208869, ITEM 6	18	910574	1	3/8" x 1" SQ. HD. MACH. BOLT & NUT
				19	904206	1	3/8" LOCKWASHER
				20	208598	1	BELT GUIDE & STEERING SHAFT SUPPORT



GROUP 280020



GROUP 280896

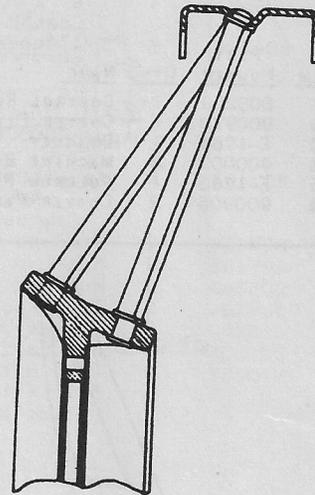
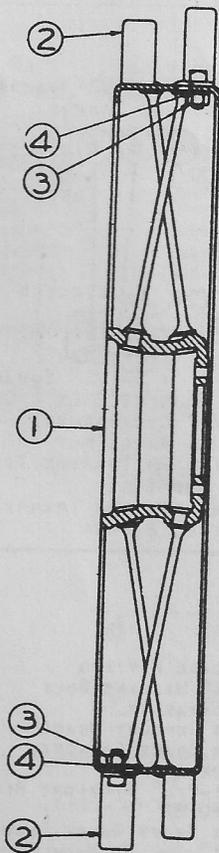
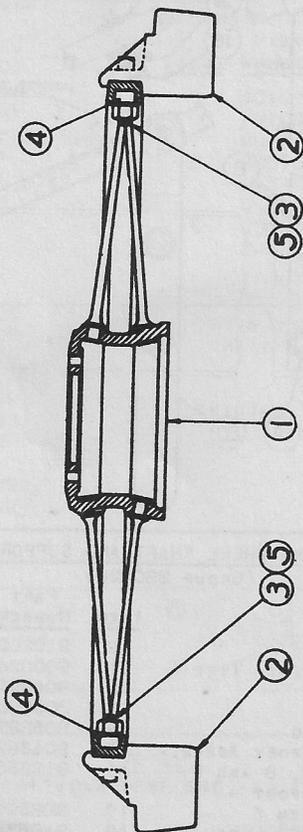


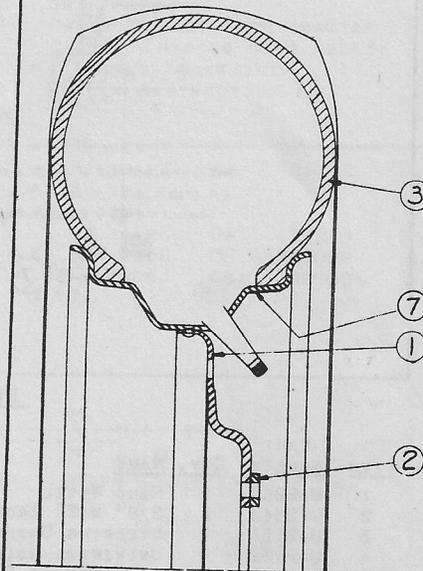
PLATE 6



GROUP 280019



GROUP 280023



GROUP 281018

<u>FRONT WHEEL</u> (GROUP 280020)			
ITEM	PART NUMBER	QTY.	NAME
1	U-2068	2	24" x 4" FRONT WHEEL
1	U-1020	4	1-1/2" x 1-1/2" GUIDE RING
	U-630	4	2" x 2" GUIDE RING
2	U-980	4	2-1/4" x 2-1/4" GUIDE RING
	U-894	4	2-1/2" x 2-1/2" GUIDE RING
3	900018	16	1/2" x 1-1/4" MACHINE BOLT
4	904208	16	1/2" LOCKWASHER
5	910260	2	GREASE FITTING
6	#2720	2	TIMKEN BEARING CUP - INNER
7	#15250	2	TIMKEN BEARING CUP - OUTER
8	206085	2	FRONT WHEEL HUB CAP
9	903625	6	1/4" x 3/8" HEX. CAPSCREW - COARSE THREAD
10	904204	6	1/4" LOCKWASHER

<u>FRONT WHEEL</u> (GROUP 280896)			
ITEM	PART NUMBER	QTY.	NAME
1	207493	2	FRONT WHEEL - INCLUDES ITEMS 2 THRU 8 - ORDER COMPONENT PARTS
2	207494	2	RIM AND DISC 5.50 x 16
3	207495	2	HUB
4	206343	2	HUB CAP
6	#2720	2	TIMKEN BEARING CUP - INNER
7	#15250	2	TIMKEN BEARING CUP - OUTER
8	207503	10	HUB BOLT
9	910261	2	1/8" GREASE FITTING
10		2	5.50 x 16 - 4 PLY MONO-RIB TIRE AND TUBE

<u>DISHED REAR WHEEL</u> (SEE PLATE 6)			
-	204175	2	REAR WHEEL FOR 57-1/8" - 83-3/8" TREAD

<u>REAR WHEEL</u> (GROUP 280019)			
1	U-2678	2	WHEEL 40" x 6"
2	205451	40	SPADE LUG - COMPLETE WITH TWO BOLTS, TWO NUTS AND TWO LOCKWASHERS
	U-2071	40	SPADE LUG
3	900046	80	BOLT 5/8" x 1-1/2" MACHINE
4	900980	80	LOCKWASHER 5/8", Rib

<u>SKELETON REAR WHEEL</u> (GROUP 280023)			
ITEM	PART NUMBER	QTY.	NAME
1	U-2766	2	WHEEL 40" x 2"
2	205452	36	LUG - COMPLETE WITH BOLT, SPACER AND LOCKWASHER
	U-3446	36	LUG
3	900079	36	3/4" x 3" SQUARE HEAD MACHINE BOLT
4	U-3310	36	SPACER
5	904369	36	LOCKWASHER 3/4"

REAR WHEEL  
(GROUP 280098) NOT ILLUSTRATED  
WHEN TRACTOR IS EQUIPPED WITH THIS WHEEL AND TIRE, WHEEL GUARD GROUP 280983 AND BRAKE HOUSING COVER 209503 ARE NOT USED

U-4010	2	REAR WHEEL 7.50 x 36 OR 9 x 36
900049	16	5/8" x 2-1/2" MACHINE BOLT
904209	16	5/8" LOCKWASHER
204070	2	6 x 36 REAR WHEEL RIM WITH LUG U-3995
	2	7.50 x 36 OR 9 x 36 TIRE AND TUBE
204433	2	BRAKE HOUSING COVER
208663	2	INSTRUCTION TRANSFER

<u>REAR WHEEL</u> (GROUP 281018)			
1	207509	2	REAR DISC WHEEL
2	207508	12	SPACER
3		2	11.25 x 24 TRACTOR TIRE AND TUBE
7	208663	2	INSTRUCTION TRANSFER

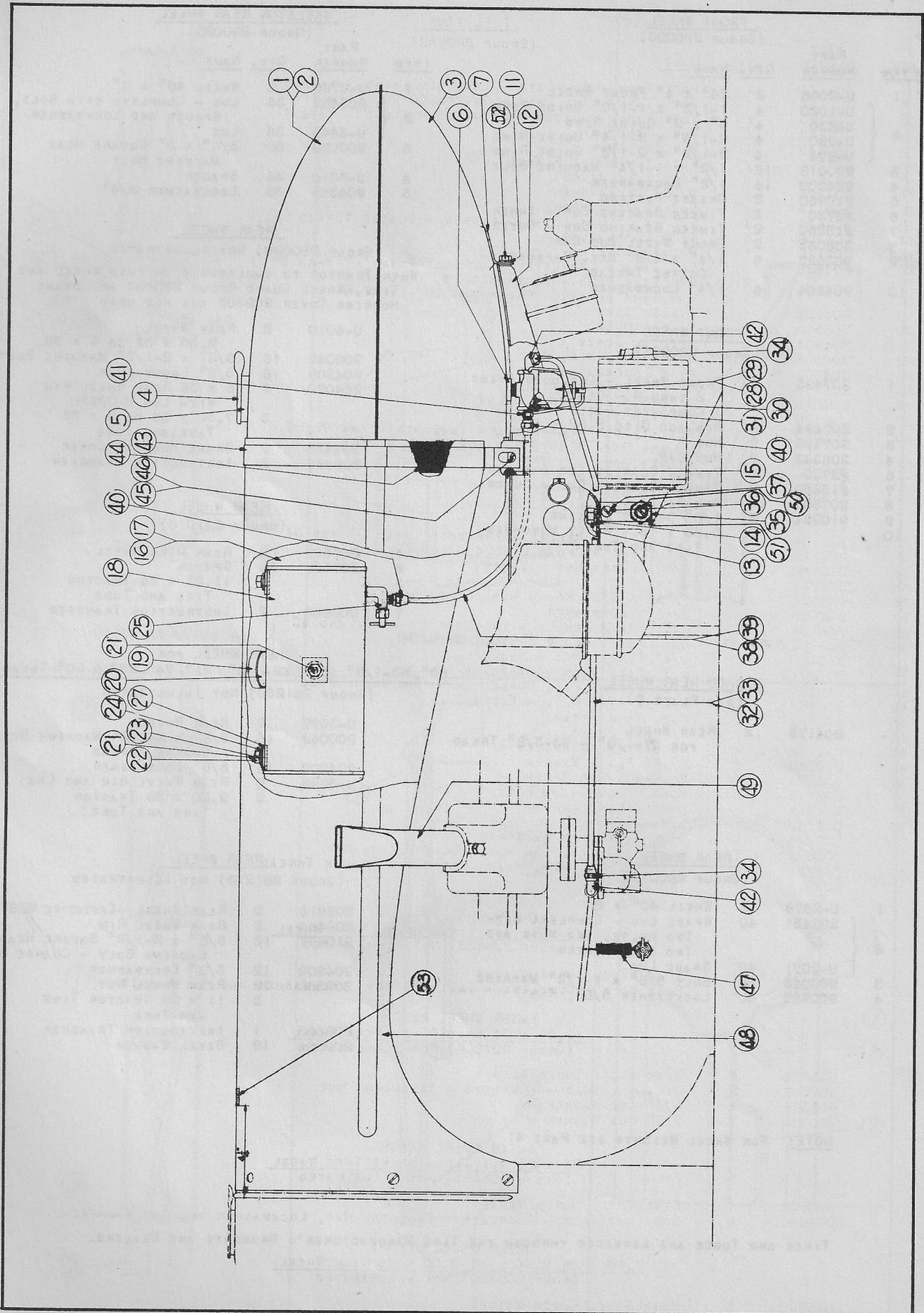
REAR WHEEL FOR  
60", 63-1/2", 66", 69-1/2", 71", 74", 77" & 80" TREAD  
(GROUP 281230) NOT ILLUSTRATED

U-3997	2	REAR WHEEL
900049	16	5/8" x 2-1/2" MACHINE BOLT - COARSE THREAD
904209	16	5/8" LOCKWASHER
U-3996	2	REAR WHEEL RIM AND LUG
	2	9.00 x 28 TRACTOR TIRE AND TUBE

<u>REAR WHEEL</u> (GROUP 281273) NOT ILLUSTRATED			
208916	2	REAR WHEEL - EFFECTIVE WC81757	
209464	2	REAR WHEEL RIM	
910677	12	5/8" x 2-1/2" SQUARE HEAD MACHINE BOLT - COARSE THREAD	
904209	12	5/8" LOCKWASHER	
209362	12	REAR WHEEL NUT	
	2	11 x 28 TRACTOR TIRE AND TUBE	
208663	1	INSTRUCTION TRANSFER	
209364	12	BEVEL WASHER	

NOTE: FOR WHEEL WEIGHTS SEE PAGE 41

TIRES AND TUBES ARE SERVICED THROUGH THE TIRE MANUFACTURER'S BRANCHES AND DEALERS.



FUEL TANK  
(GROUP 280982)

ITEM	PART NUMBER	QTY.	NAME	
1	208122	1	FUEL TANK - COMPLETE - INCLUDES ITEMS 2 THRU 7	
2	208124	1	FUEL TANK - TOP HALF - ORDER 208122, ITEM 1	
3	208123	1	FUEL TANK - BOTTOM HALF - ORDER 208122, ITEM 1	
4	207244	1	FUEL TANK CAP	
5	207245	1	FILLER NECK	
6	207246	1	FUEL TANK PIPE FLANGE	
7	208202	1	FUEL TANK BRACE	
11	904205	2	5/16" LOCKWASHER	
12	208119	1	FUEL TANK SUPPORT	
13	903637	4	1/2" x 1" HEX. HEAD CAPSCREW - COARSE THREAD	
14	904208	4	1/2" LOCKWASHER	
15	208110	1	PACKING STRIP	
16	204828	1	GAS TANK - COMPLETE - INCLUDES ITEMS 17 THRU 27	} FOR LOW GRADE FUEL ONLY
17		2	GAS TANK HEAD - ORDER 204828, ITEM 16	
18		1	GAS TANK LENGTH - ORDER 204828, ITEM 16	
19	204827	1	FILLER CAP	
20	206584	1	FILLER NECK	
21	204803	3	SPECIAL SCREW	
22	900366	3	5/16" S.F. HEX. NUT - COARSE THREAD	
23	904205	3	5/16" LOCKWASHER	
24	901165	3	5/16" CUT WASHER	
25	204815	1	#168 S.A.E. NEEDLE VALVE	
27	U-2670	3	PACKING STRIP	
28	208205	1	FUEL FILTER - COMPLETE - INCLUDES ITEMS 29,30,31, ALSO ONE BAIL 912576 AND ONE VALVE 912563	
29	208377	1	FILTER BOWL	
30	208363	1	FILTER SCREEN	
31	208362	1	FILTER GASKET	
-	912576	1	BAIL ASSEMBLY	
-	912563	1	VALVE	
32	208104	1	FUEL LINE COMPLETE - INCLUDES ITEMS 33 AND 34	
33	208116	1	FUEL LINE - ORDER 208104, ITEM 32	
34	910138	2	1/4" FLARED NUT - SHORT	
35	208243	1	CLIP	
36	906571	1	3/16" x 3/8" ROUND HEAD STOVE BOLT	
37	904203	1	3/16" LOCKWASHER	
38	208106	1	GAS LINE ASSEMBLY - INCLUDES ITEMS 39 AND 40	} LOW GRADE FUEL
39	208105	1	GAS LINE - ORDER 208106, ITEM 38	
40	910138	2	1/4" FLARED NUT - SHORT	
41	901651	1	1/8" PIPE PLUG - GASOLINE	
42	910141	1	1/4" x 1/8" P.T. CONNECTOR - LOW GRADE FUEL	
43	910161	2	1/4" x 1/8" P.T. - ELBOW	
44	208109	1	FUEL TANK STRAP	
45	208112	1	PACKING STRIP	
46	U-2132	2	HOOD STRAP CAPSCREW	
47	910335	2	5/16" PLAIN WASHER	
48	U-3208	1	GOVERNOR ROD SPRING	
49	208115	1	HOOD - LOW GRADE FUEL	
50	208212	1	HOOD - GASOLINE	
51	U-3180	1	EXHAUST PIPE	
52	U-2149	1	STARTING MOTOR SETSCREW	
53	903574	1	5/8" S.F. HEX. JAM NUT - COARSE THREAD	
	905661	2	5/16" x 5/8" HEX. HEAD CAPSCREW - COARSE THREAD	
	209516	1	TRANSFER	

INNER WHEEL WEIGHT  
11.25 x 24 AIR TIRED SPOKE TYPE WHEEL  
(GROUP 205453) NOT ILLUSTRATED

U-3594	1	REAR WHEEL INNER WEIGHT
U-1998	2	HOOK BOLT - COMPLETE - INCLUDES NUT, LOCKWASHER AND CUT WASHER

INNER WHEEL WEIGHT  
11.25 x 24 STEEL DISC REAR WHEEL  
(GROUP 207506) NOT ILLUSTRATED

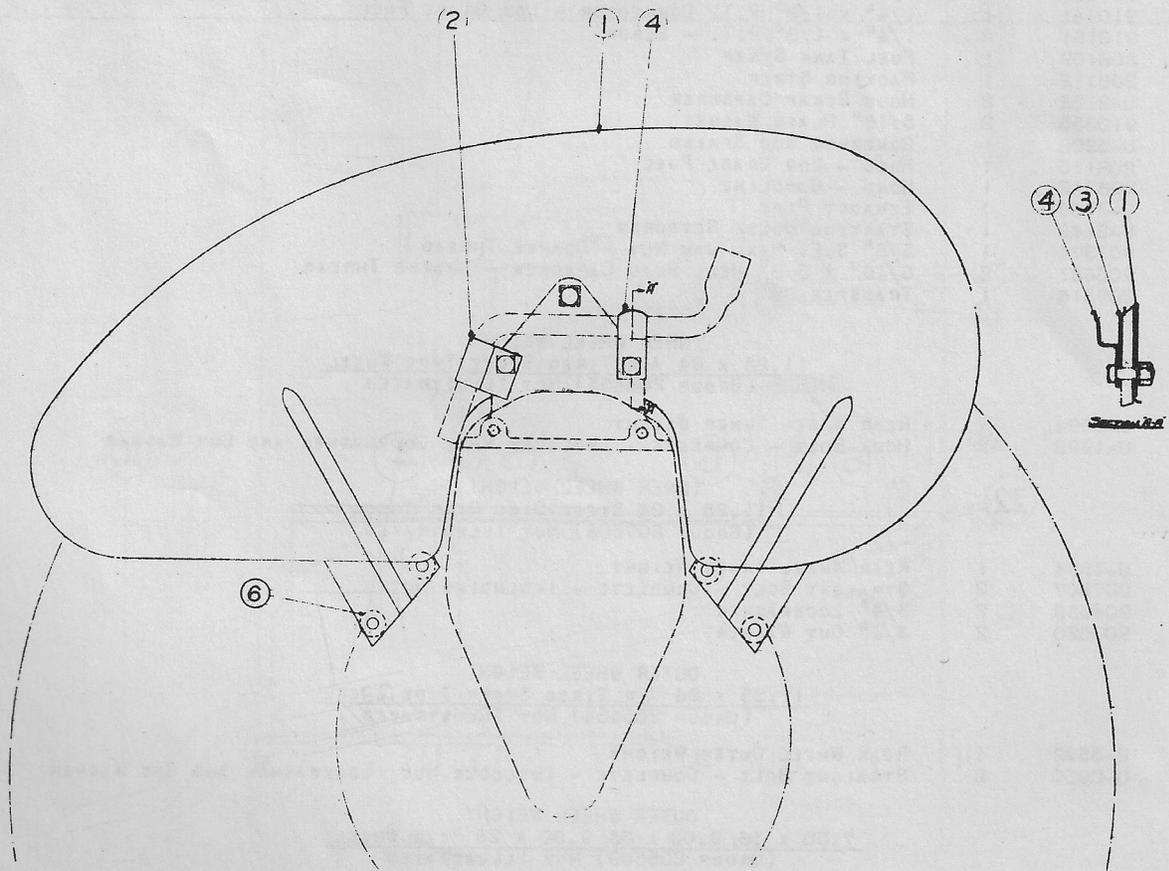
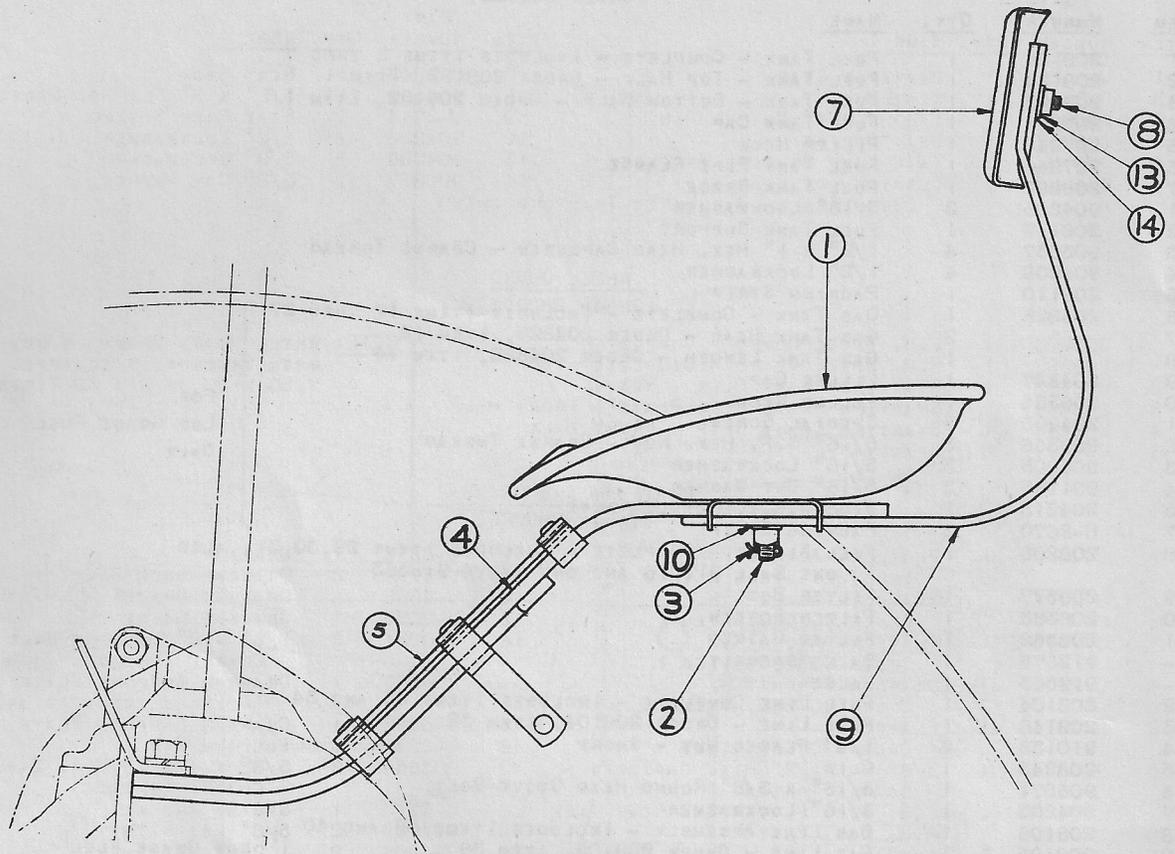
U-3594	1	REAR WHEEL INNER WEIGHT
207507	2	STRAIGHT BOLT - COMPLETE - INCLUDING NUT
904369	2	3/4" LOCKWASHER
900820	2	3/4" CUT WASHER

OUTER WHEEL WEIGHT  
11.25 x 24 AIR TIRED SPOKE TYPE WHEEL  
(GROUP 205454) NOT ILLUSTRATED

U-3592	1	REAR WHEEL OUTER WEIGHT
U-2950	2	STRAIGHT BOLT - COMPLETE - INCLUDES NUT, LOCKWASHER AND CUT WASHER

OUTER WHEEL WEIGHT  
7.50 x 36, 9.00 x 36, 9.00 x 28 REAR WHEEL  
(GROUP 205699) NOT ILLUSTRATED

U-3998	1	REAR WHEEL OUTER WEIGHT
900055	3	5/8" x 5" MACHINE BOLT - COARSE THREAD
904209	3	5/8" LOCKWASHER



DRIVER'S SEAT  
(GROUP 280027)

ITEM	PART NUMBER	QTY.	NAME	ITEM	PART NUMBER	QTY.	NAME
1	U-145	1	DRIVER'S SEAT	7	U-2743	1	SEAT BACK
2	U-2755	1	SEAT BOLT	8	906568	1	3/8" x 1" FL. HD. STOVE BOLT
3	900805	1	1/8" x 3/4" COTTER PIN	9	U-2744	1	SEAT BACK SPRING
4	208237	1	SEAT SPRING	10	904208	1	1/2" LOCKWASHER
5	209555	1	TAIL LAMP BRACKET ASSEMBLY	13	904206	1	3/8" LOCKWASHER
-	204229	1	CUSHION FOR SEAT - (STANDARD ON AIR TIRED TRACTORS ONLY)	14	900817	1	3/8" CUT WASHER

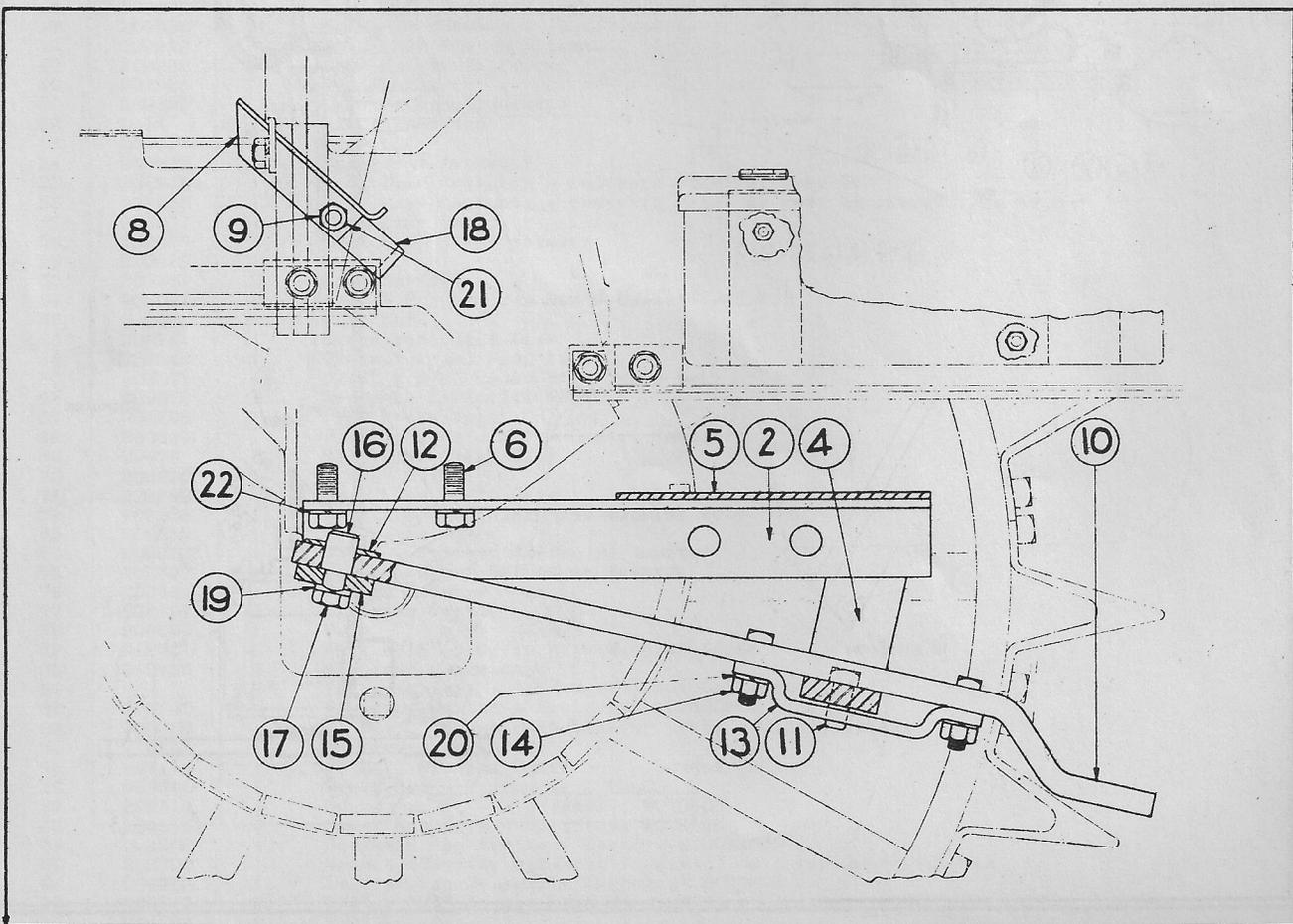
WHEEL GUARD  
(GROUP 280983)

1	{	208206	1	L.H. WHEEL GUARD - COMPLETE
2		208207	1	R.H. WHEEL GUARD - COMPLETE
3		208443	1	STARTING CRANK CLIP - REAR
4		208444	1	STARTING CRANK CLIP PLATE - FRONT HALF
5		208445	1	STARTING CRANK CLIP - FRONT HALF
6		209494	8	SPACER

NOTE: WHEEL GUARD GROUP IS NOT USED WHEN TRACTOR IS EQUIPPED WITH 7.50 x 36 OR 9 x 36 TIRES.

PLATFORM AND DRAWBAR  
(GROUP 280026)

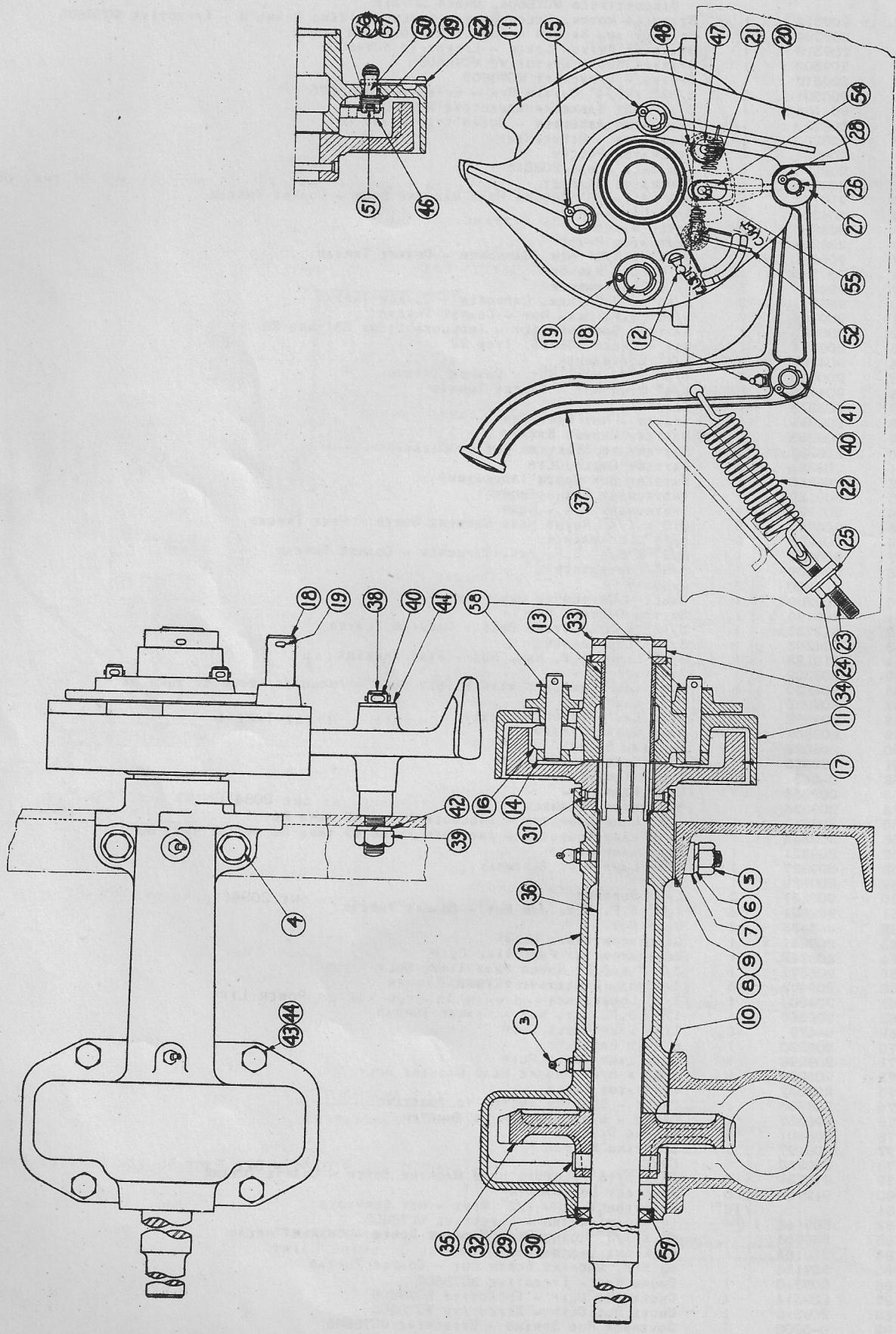
1	207860	1	PLATFORM ASSEMBLY - INCLUDES ITEMS 2 THRU 5	10	U-2272	1	DRAWBAR	
2	{	U-2274	1	PLATFORM ANGLE L.H. ORDER 207860, ITEM 1	11	U-769	2	DRAWBAR LOCK BOLT
3		U-2275	1	PLATFORM ANGLE R.H. - ORDER 207860, ITEM 1	12	U-2888	1	DRAWBAR SPACER
4		U-2271	1	DRAWBAR SUPPORT - ORDER 207860, ITEM 1	13	U-2278	1	DRAWBAR GUIDE
5		U-2276	1	PLATFORM - ORDER 207860, ITEM 1	14	900021	2	1/2" x 2" MACHINE BOLT - COARSE THREAD
6	903644	4	5/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD	-	206863	1	DRAWBAR SUPPORT PLATE ASSEMBLY - INCLUDES ITEMS 15 AND 16	
8	U-2269	1	L.H. FOOT PLATE - SEE REAR AXLE	15	U-3452	1	DRAWBAR SUPPORT PLATE	
9	900019	1	R.H. FOOT PLATE	16	U-2279	1	FULCRUM PIN	
			1/2" x 1-1/2" MACHINE BOLT - COARSE THREAD	17	903644	2	5/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD	
				18	U-2715	1	SPRING BRACKET	
				19	904209	2	5/8" LOCKWASHER	
				20	904208	2	1/2" LOCKWASHER	
				21	904208	1	1/2" LOCKWASHER	
				22	904209	4	5/8" LOCKWASHER	





ELECTRIC STARTER AND LIGHTING  
(GROUP 281238)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	208199	1	STARTING MOTOR, DELCO-REMY - INCLUDES ITEMS 2 AND 3 - DISCONTINUED WC78604, ORDER 209311
2	209311	1	STARTING MOTOR, DELCO-REMY - INCLUDES ITEMS 2 AND 3 - EFFECTIVE WC78605
3	209324	1	BRACKET AND SWITCH - COMPLETE INCLUDING LEVER
4	209313	1	STARTING SWITCH LEVER - EFFECTIVE WC78605
5	209309	1	STARTER ROD - EFFECTIVE WC78605
6	209318	1	SPRING - EFFECTIVE WC78605
7	900801	2	3/32" x 3/4" COTTER PIN - EFFECTIVE WC78605
8	901165	1	5/16" CUT WASHER - EFFECTIVE WC78605
9	208689	1	GENERATOR ASSEMBLY - ORDER ITEM 9 AND 10
10	208200	1	GENERATOR - DELCO-REMY
11	208261	1	GENERATOR PULLEY
12	209824	1	FAN BELT - WAS 208215
13	208244	1	GENERATOR BRACKET
14	910158	1	3/8" x 1-1/2" SQUARE HEAD MACHINE BOLT - COARSE THREAD
15	904206	1	3/8" LOCKWASHER
16	208283	1	BEVEL WASHER
17	208204	1	GENERATOR BRACE
18	905661	1	5/16" x 5/8" HEX. CAPSCREW - COARSE THREAD
19	901165	1	5/16" CUT WASHER
20	904205	3	5/16" LOCKWASHER
21	903771	2	5/16" x 7/8" HEX. CAPSCREW - COARSE THREAD
22	900366	2	5/16" S.F. HEX. NUT - COARSE THREAD
23	208285	1	BATTERY BOX ASSEMBLY - INCLUDES ITEMS 23 THRU 28
24	208214	1	BOX - ORDER 208285, ITEM 22
25	904204	2	1/4" LOCKWASHER
26	900365	2	1/4" S.F. HEX. NUT - COARSE THREAD
27	904153	2	1/4" WING NUT - COARSE THREAD
28	208218	1	COVER
29	208219	1	SPACER - NOT SERVICED
30	208258	1	BATTERY GROUND STRAP
31	208257	1	BATTERY TO STARTING SWITCH CABLE
32	208225	2	BATTERY CABLE CLIP
33	209232	1	BATTERY BOX COVER INSULATOR
34	208128	1	INSTRUMENT BOX - FRONT
35	208129	1	INSTRUMENT BOX - REAR
36	903753	2	#10 x 1/4" ROUND HEAD MACHINE SCREW - FINE THREAD
37	904203	2	3/16" LOCKWASHER
38	903629	1	3/8" x 3/4" S.F. HEX. CAPSCREW - COARSE THREAD
39	904206	1	3/8" LOCKWASHER
40	912800	3	GROMMET
41	209288	1	CABLE - SWITCH TO JUNCTION
42	208198	1	SWITCH CONTROL ROD
43	912733	1	3/16" x 3/8" STOVE BOLT - CADMIUM PLATED
44	904203	1	3/16" LOCKWASHER
45	910123	1	3/8" LIGHT S.F. HEX. NUT - FINE THREAD
46	208302	1	AMMETER
47	208230	1	R.H. LAMP COMPLETE WITH 6 VOLT BULB - INCLUDES ITEMS 47 THRU 54
48	209830	1	HEAD LAMP BOLT
49	209828	1	HEAD LAMP WIRING ASSEMBLY
50	209832	1	LAMP GASKET ASSEMBLY
51	209826	1	SPECIAL SCREW
52	209825	1	LAMP MOLDING ASSEMBLY
53	U-545	1	CABLE TERMINAL
54	209834	1	LAMP LENS
55	209833	1	REFLECTOR ASSEMBLY
56	208213	1	L.H. LAMP COMPLETE - INCLUDES ITEMS 47 THRU 54
57	208233	1	REAR LAMP COMPLETE - INCLUDES ITEMS 49 THRU 54 AND 57 THRU 59
58	209831	1	REAR LAMP BOLT
59	209827	1	REAR LAMP WIRE ASSEMBLY
60	209829	1	LOOM
61	208231	2	LAMP SUPPORT
62	902021	4	1/2" S.F. HEX. JAM NUT - COARSE THREAD
63	U-3435	2	WING NUT
64	208241	1	GENERATOR CABLE CLIP
65	208242	1	GENERATOR AND FUEL LINE CLIP
66	906571	1	3/16" x 3/8" ROUND HEAD STOVE BOLT
67	209472	3	SPACER - EFFECTIVE WC78605
68	904208	1	1/2" LOCKWASHER
69	900369	1	1/2" S.F. HEX. NUT - COARSE THREAD
70	U-479	2	REAR LAMP CABLE CLIP
71	208220	1	6 VOLT BATTERY
72	208298	1	REAR LAMP CABLE CLIP
73	903258	1	3/8" x 3/4" SQUARE HEAD MACHINE BOLT
74	208332	1	GENERATOR CABLE
75	208333	1	CABLE - STARTER SWITCH TO AMMETER
76	208337	1	CABLE - LIGHT SWITCH TO AMMETER
77	208401	1	WIRING DIAGRAM
78	208197	1	LIGHTING SWITCH
79	208960	1	FUSE
80	912731	3	#3 x 5/16" SLOTTED HEAD MACHINE SCREW - COARSE THREAD
81	912732	3	#3 LIGHT LOCKWASHER
82	209148	18"	FRICITION TAPE - 1/2" WIDE - NOT SERVICED
83	900553	1	INSTRUCTION TAG - EFFECTIVE WC78605
84	910163	1	#3 x 1/2" ROUND HEAD MACHINE SCREW - COARSE THREAD
85	907154	1	#3 LIGHT LOCKWASHER
86	209310	1	#3 HEX. MACHINE SCREW NUT - COARSE THREAD
87	209314	1	CHOKE ROD - EFFECTIVE WC78605
88	209315	1	CHOKE ROD CLIP - EFFECTIVE WC78605
89	U-3208	1	GOVERNOR ROD SPRING - EFFECTIVE WC78605
90	208703	1	NIPPLE (BATTERY NEGATIVE TERMINAL) USED FOR SHIPPING ONLY
91	209308	1	STARTER ROD SPRING - EFFECTIVE WC78605
92	905513	2	1/4" x 3/4" SQUARE HEAD MACHINE BOLT - EFFECTIVE WC78605
93	904204	2	1/4" LOCKWASHER

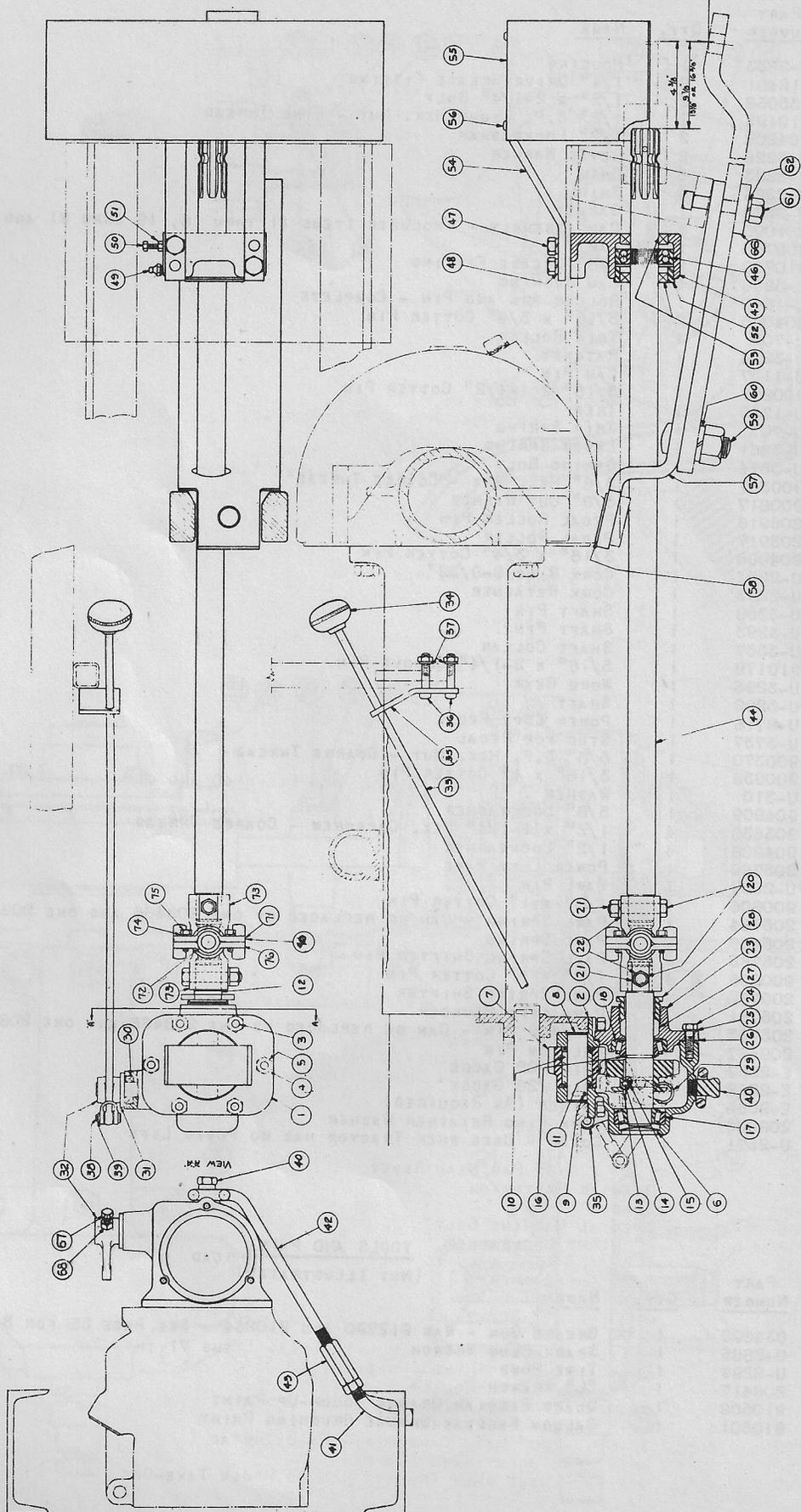


POWER LIFT  
(GROUP 280058)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-2233	1	HOUSING
3	912481	2	1/4" DRIVE GREASE FITTING
4	035068	2	1/2" x 2-1/4" BOLT
5	910195	2	1/2" S.F. LIGHT HEX. NUT - FINE THREAD
6	904208	2	1/2" LOCKWASHER
7	U-3226	2	BEVEL WASHER
8	U-2223	3	SHIM
9	U-2224	3	SHIM
10	U-2220	1	GASKET
--	281090	1	CAM ASSEMBLY - INCLUDES ITEMS 11 THRU 16, 18 THRU 21 AND 46 THRU 58
11	205766	1	CAM
12	910260	2	1/8" GREASE FITTING
13	U-3296	1	CAM BUSHING
14	U-1840	1	ROLLER ARM AND PIN - COMPLETE
15	904005	2	3/16" x 3/4" COTTER PIN
16	U-705	1	TRIP ROLLER
17	U-3294	1	RATCHET
18	U-1157	1	CAM PIN
19	900811	1	3/16" x 1-1/2" COTTER PIN
20	U-1762	1	TRIP
21	U-707	1	TRIP SPRING
22	U-3861	1	LEVER SPRING
23	U-3874	1	SPRING BOLT
24	900367	1	3/8" HEX. NUT - COARSE THREAD
25	900817	1	3/8" CUT WASHER
26	205916	1	PEDAL ROLLER PIN
27	205917	1	PEDAL ROLLER
28	904005	1	3/16" x 3/4" COTTER PIN
29	U-2291	1	CORK RING 2-9/32"
30	U-2292	1	CORK RETAINER
31	U-3358	1	SHAFT PIN
32	U-3293	1	SHAFT PIN
33	U-3357	1	SHAFT COLLAR
34	910172	1	5/16" x 2-1/4" GROOVE PIN
35	U-3295	1	WORM GEAR
36	U-3292	1	SHAFT
37	U-2716	1	POWER LIFT PEDAL
38	U-3737	1	STUD FOR PEDAL
39	900370	1	5/8" S.F. HEX. NUT - COARSE THREAD
40	900938	1	3/16" x 1" COTTER PIN
41	U-310	1	WASHER
42	904209	1	5/8" LOCKWASHER
43	903638	4	1/2" x 1-1/4" HEX. CAPSCREW - COARSE THREAD
44	904208	4	1/2" LOCKWASHER
46	205762	1	POWER LIFT PAWL
47	U-2059	1	PAWL PIN
48	900806	1	1/8" x 1" COTTER PIN
49	{ 205764	1	PAWL SPRING - CAN BE REPLACED BY ONE 208466 AND ONE 208467
	{ 208466	1	PAWL SPRING
50	205765	1	PAWL SPRING SHIFTER PIN
51	900806	1	1/8" x 1" COTTER PIN
52	205760	1	PAWL SPRING SHIFTER
54	205761	1	PAWL LIFT PLUNGER
55	{ 205763	1	FULCRUM PIN - CAN BE REPLACED BY ONE 208466 AND ONE 208467
	{ 208467	1	FULCRUM PIN
56	E-2359	1	SHIM #22 GAUGE
57	E-2369	1	SHIM #28 GAUGE
58	E-2565	1	WASHER (AS REQUIRED)
59	208032	1	CORK RING RETAINER WASHER
--	U-2571	1	COVER - USED WHEN TRACTOR HAS NO POWER LIFT

TOOLS AND PAINT  
(NOT ILLUSTRATED)

<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
034692	1	GREASE GUN - WAS 912790 AND 910264 - SEE PAGE 55 FOR SERVICE PARTS
U-2885	1	SPARK PLUG WRENCH
U-2299	1	TIRE PUMP
206417	1	"L" WRENCH
910502	1	QUART PERSIAN ORANGE TOUCH-UP PAINT
910501	1	GALLON PERSIAN ORANGE BRUSHING PAINT

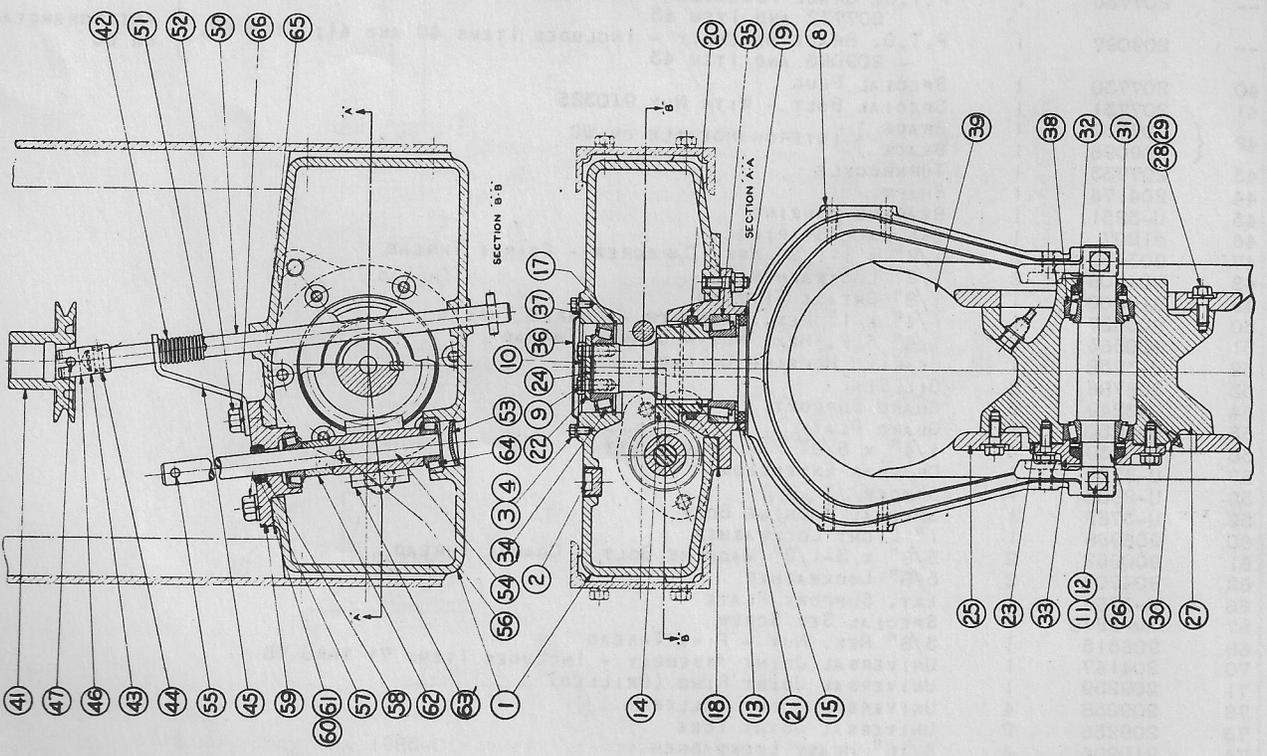
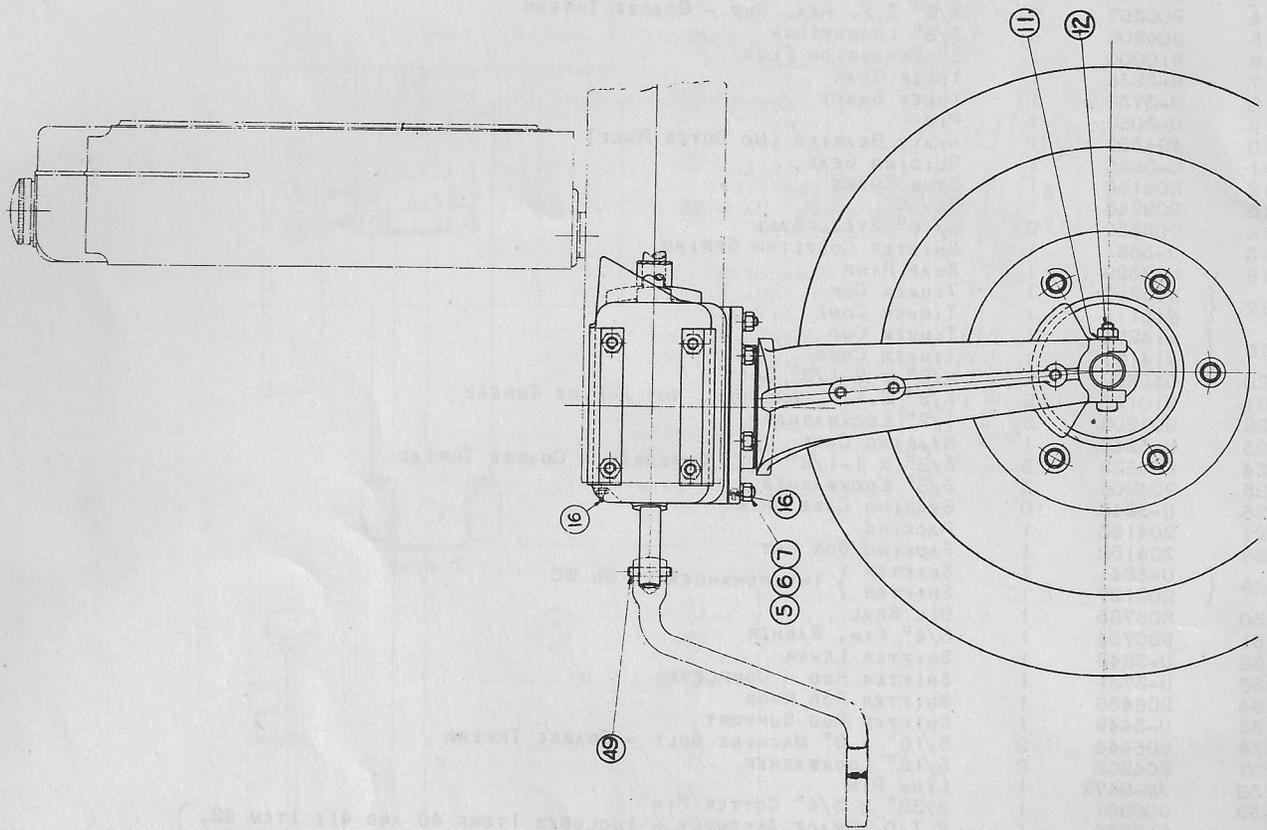


## POWER TAKE-OFF

(GROUP 280059)

ITEM	PART NUMBER	QTY.	NAME
1	U-3233	1	HOUSING
2	U-3234	1	HOUSING GASKET
3	U-814	6	SPECIAL STUD
4	900367	6	3/8" S.F. HEX. NUT - COARSE THREAD
5	904206	6	3/8" LOCKWASHER
6	910000	1	2" EXPANSION PLUG
7	U-3236	1	IDLER GEAR
8	U-3730	1	IDLER SHAFT
9	U-3065	1	PIN
10	#94532	1	HYATT BEARING (NO OUTER RACE)
11	U-3660	1	SLIDING GEAR
12	204150	1	STUB SHAFT
13	208943	1	KEY
14	905359	2	5/16" STEEL BALL
15	U-3661	1	SHIFTER COUPLING SPRING
16	U-2329	1	SNAP RING
17	{ #15250	1	TIMKEN CUP
	{ #15118	1	TIMKEN CONE
18	{ #14274	1	TIMKEN CUP
	{ #14137	1	TIMKEN CONE
20	035892	2	1/2" x 2-1/2" BOLT
21	910195	2	1/2" S.F. LIGHT HEX. NUT - FINE THREAD
22	904208	2	1/2" LOCKWASHER
23	U-3240	1	BEARING CASE
24	903632	3	3/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
25	904206	3	3/8" LOCKWASHER
26	U-3245	10	BEARING CASE SHIM
27	204153	1	PACKING
28	204152	1	PACKING BOX NUT
29	{ U-3241	1	SHIFTER
	{ 209127	1	SHIFTER
	{ 206785	1	OIL SEAL
30	206785	1	OIL SEAL
31	900704	1	3/4" FIN. WASHER
32	U-3242	1	SHIFTER LEVER
33	U-3731	1	SHIFTER ROD - COMPLETE
34	206456	1	SHIFTER ROD KNOB
35	U-3449	1	SHIFTER ROD SUPPORT
36	906444	2	5/16" x 2" MACHINE BOLT - COARSE THREAD
37	904205	2	5/16" LOCKWASHER
38	AM-9472	1	LINK PIN
39	900801	1	3/32" x 3/4" COTTER PIN
--	207735	1	P.T.O. BRACE ASSEMBLY - INCLUDES ITEMS 40 AND 41; ITEM 42,
			207732 AND ITEM 43
--	209097	1	P.T.O. BRACE ASSEMBLY - INCLUDES ITEMS 40 AND 41; ITEM 42,
			209096 AND ITEM 43
40	207730	1	SPECIAL PLUG
41	207731	1	SPECIAL BOLT - WITH NUT 910325
42	{ 207732	1	BRACE
	{ 209096	1	BRACE
43	207733	1	TURNBUCKLE
44	204176	1	SHAFT
45	U-3251	1	BEARING HOUSING
46	#1207	1	SKF BALL BEARING
47	903639	2	1/2" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
48	904208	2	1/2" LOCKWASHER
49	910260	1	1/8" GREASE FITTING
50	905657	1	1/4" x 1" HEX. CAPSCREW - COARSE THREAD
51	900365	1	1/4" S.F. HEX. NUT - COARSE THREAD
52	U-3252	1	BEARING HOUSING COLLAR
53	206786	2	OIL SEAL
54	U-3249	2	GUARD SUPPORT
55	U-3250	1	GUARD PLATE
56	900739	4	1/4" x 5/8" PAN HEAD RIVET
57	U-3739	1	DRAWBAR EXTENSION
58	U-2888	1	SPACER
59	U-3768	1	SPECIAL MACHINE BOLT
60	906968	1	1" LIGHT LOCKWASHER
61	900052	2	5/8" x 3-1/2" MACHINE BOLT - COARSE THREAD
62	904209	2	5/8" LOCKWASHER
66	U-3769	1	EXT. SUPPORT PLATE
67	AM-9248	1	SPECIAL SET SCREW
68	906515	1	3/8" HEX. NUT - FINE THREAD
70	204147	1	UNIVERSAL JOINT ASSEMBLY - INCLUDES ITEMS 71 THRU 76
71	209259	1	UNIVERSAL JOINT RING (DRILLED)
72	209258	4	UNIVERSAL JOINT ROLLER
73	209256	2	UNIVERSAL JOINT YOKE
74	910286	4	5/16" HEAVY LOCKWASHER
75	911168	4	5/16" x 7/8" HEX. CAPSCREW - FINE THREAD
76	209257	1	UNIVERSAL JOINT RING (TAPPED)
--	U-2797	1	COVER - USED WHEN TRACTOR HAS NO POWER TAKE-OFF

} INTERCHANGEABLE  
ON WC



SINGLE FRONT WHEEL

(GROUP 280060)

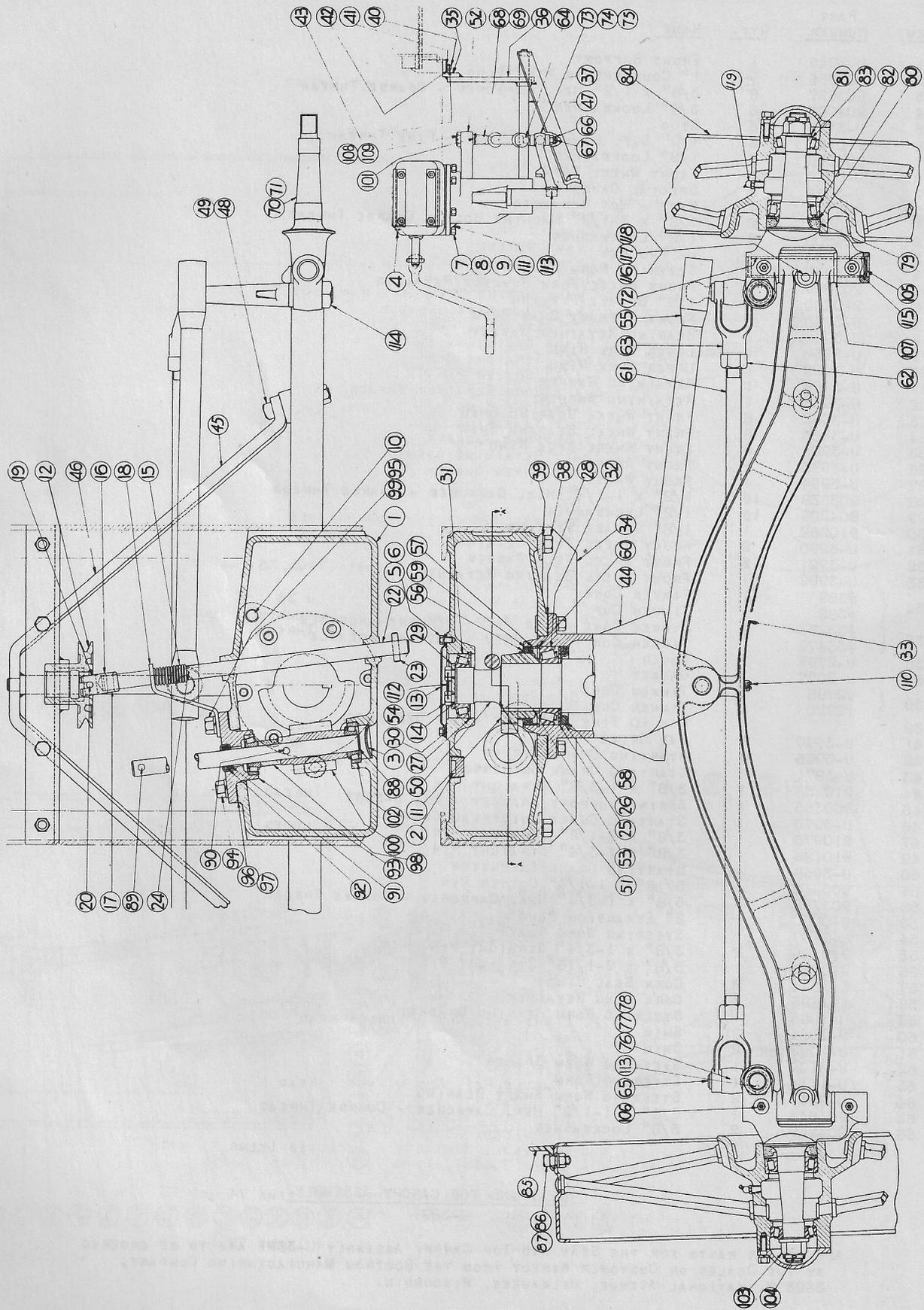
<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3946	1	FRONT SUPPORT
2	901666	1	1" COUNTERSUNK PIPE PLUG
3	903627	6	3/8" x 1/2" HEX. CAPSCREW - COARSE THREAD
4	904206	6	3/8" LOCKWASHER
5	U-3779	6	STUD
6	910195	6	1/2" S.F. LIGHT HEX. NUT - FINE THREAD
7	904208	6	1/2" LOCKWASHER
8	U-3943	1	FRONT WHEEL FORK
9	U-3944	2	SPECIAL CAPSCREW
10	205978	1	WIRE - NOT SERVICED
11	900025	2	1/2" x 3-1/2" MACHINE BOLT - COARSE THREAD
12	904208	2	1/2" LOCKWASHER
13	910254	1	HY PRO KEY
14	U-3947	1	STEERING WORM GEAR
15	207859	1	FRONT WHEEL FORK BEARING RETAINER
16	910260	2	1/8" GREASE FITTING
17	U-3945	1	FRONT SUPPORT SNAP RING
18	U-3949	1	BEARING RETAINER GASKET
19	U-3958	1	LOWER CORK RING
20	U-3959	1	UPPER CORK RING
21	U-3964	1	RETAINING WASHER
22	U-3965	1	RETAINING WASHER
23	U-3962	6	FRONT WHEEL BEARING SHIM
24	U-3963	6	FRONT WHEEL BEARING SHIM
25	U-3961	2	FRONT WHEEL SIDE RING
26	U-3975	1	FRONT AXLE
27	U-3994	1	FRONT WHEEL
28	903638	16	1/2" x 1-1/4" HEX. CAPSCREW - COARSE THREAD
29	904208	16	1/2" LOCKWASHER
30	910262	1	1/8" GREASE FITTING
31	U-3990	2	FRONT WHEEL FELT RETAINER
32	U-3991	2	FRONT WHEEL FELT WASHER
33	U-3992	1	FRONT WHEEL BEARING RETAINER
34	{ #389	1	TIMKEN CONE
	{ #382	1	TIMKEN CUP
35	{ #33275	1	TIMKEN CONE - WAS #482 - INTERCHANGEABLE
	{ #33472	1	TIMKEN CUP - WAS #472 - INTERCHANGEABLE
36	U-2797	1	COVER
37	U-2077	1	GASKET
38	{ #2788	2	TIMKEN CONE
	{ #2720	2	TIMKEN CUP
39		1	9 x 10 TIRE AND TUBE - NOT SERVICED
41	U-3960	1	FAN DRIVE PULLEY
42	U-3966	1	STARTING CRANK SPRING
43	U-3971	1	STARTING CRANK UNIVERSAL
44	910253	1	3/8" x 1-3/8" STRAIGHT PIN
45	209355	1	SPRING SUPPORT BRACKET - WAS U-3967
46	U-3970	1	STARTING CRANK UNIVERSAL CENTER
47	910976	1	3/8" x 2-1/2" STRAIGHT PIN
49	910186	1	3/8" x 1-3/4" STRAIGHT PIN
50	U-3968	1	STARTING CRANK EXTENSION
51	900810	1	3/16" x 1-1/4" COTTER PIN
52	903792	1	5/8" x 1-3/4" HEX. CAPSCREW - COARSE THREAD
53	910000	1	2" EXPANSION PLUG
54	U-2107	1	STEERING WORM SHAFT
55	910186	1	3/8" x 1-3/4" STRAIGHT PIN
56	910187	1	3/8" x 2-1/16" STRAIGHT PIN
57	E-1694	2	CORK SEAL RING
58	E-1695	2	CORK RING RETAINER
59	U-1063	1	STEERING WORM BEARING BRACKET
60	U-1061	2	SHIM
61	U-1062	2	SHIM
62	U-2109	1	STEERING WORM SPACER
63	U-1111	1	STEERING WORM
64	U-955	2	STEERING WORM SHAFT BEARING
65	903644	1	5/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
66	904209	2	5/8" LOCKWASHER

SEAT AND TOP CANOPY ASSEMBLY

U-3891

ALL REPAIR PARTS FOR THE SEAT AND TOP CANOPY ASSEMBLY U-3891 ARE TO BE ORDERED BY THE DEALER OR CUSTOMER DIRECT FROM THE BOSTROM MANUFACTURING COMPANY, 3623 W. NATIONAL AVENUE, MILWAUKEE, WISCONSIN.

BE SURE TO GIVE COMPLETE DESCRIPTION OF PART WANTED.



WIDE FRONT AXLE - STEEL WHEEL  
(GROUP 280061)

<u>ITEM</u>	<u>PART NUMBER</u>	<u>QTY.</u>	<u>NAME</u>
1	U-3946	1	FRONT SUPPORT
2	901666	1	1" COUNTERSUNK PIPE PLUG
3	910000	1	2" EXPANSION PLUG
4	910260	1	1/8" GREASE FITTING
5	903627	6	3/8" x 1/2" HEX. CAPSCREW - COARSE THREAD
6	904206	6	3/8" LOCKWASHER
7	U-3779	6	SPECIAL STUD
8	910195	6	1/2" S.F. LIGHT HEX. NUT - FINE THREAD
9	904208	6	1/2" LOCKWASHER
10	901653	1	3/8" SOLID PIPE PLUG
11	U-3947	1	STEERING WORM GEAR
12	U-3960	1	FAN DRIVE PULLEY
13	U-2797	1	FRONT SUPPORT COVER
14	U-3963	6	STEERING SPINDLE SHAFT SHIM
15	U-3966	1	STARTING CRANK SPRING
16	U-3971	1	STARTING CRANK UNIVERSAL
17	910253	1	3/8" x 1-3/8" STRAIGHT PIN
18	209355	1	STARTING CRANK SPRING BRACKET - WAS U-3967
19	U-3970	1	STARTING CRANK UNIVERSAL CENTER
20	910976	1	3/8" x 2-1/2" STRAIGHT PIN
22	U-3968	1	STARTING CRANK EXTENSION
23	910186	1	3/8" x 1-3/4" STRAIGHT PIN
24	900810	1	3/16" x 1-1/4" COTTER PIN
25	U-3964	1	SPINDLE SHAFT CORK RETAINER WASHER
26	U-3958	1	SPINDLE SHAFT CORK RING
27	U-3945	1	FRONT SUPPORT SNAP RING
28	U-3949	1	FRONT AXLE SUPPORT GASKET
29	U-3965	1	SPINDLE SHAFT RETAINING WASHER
30	U-2077	1	FRONT SUPPORT COVER GASKET
31	{ #389	1	TIMKEN CONE
	{ #382	1	TIMKEN CUP
32	{ #33275	1	TIMKEN CONE - WAS #482 - INTERCHANGEABLE
	{ #33472	1	TIMKEN CUP - WAS #472 - INTERCHANGEABLE
33	204166	1	FRONT AXLE
34	204164	1	ENGINE SUPPORT ASSEMBLY - INCLUDES ITEMS 35 THRU 37
35		1	ANGLE - ORDER ASSEMBLY, ITEM 34
36		1	RECTANGULAR BAR - ORDER ASSEMBLY, ITEM 34
37	209305	1	RADIUS ROD SUPPORT BEARING - ORDER ASSEMBLY, ITEM 34
38	903638	2	1/2" x 1-1/4" HEX. CAPSCREW - COARSE THREAD
39	904208	2	1/2" LOCKWASHER
40	U-3227	2	SPECIAL BOLT
41	904208	2	1/2" LOCKWASHER
42	902273	2	1/2" HEX. SLOTTED NUT - COARSE THREAD
43	900802	2	3/32" x 1" COTTER PIN
44	204162	1	FRONT AXLE SUPPORT
45	204163	1	RADIUS ROD ASSEMBLY - INCLUDES ITEMS 46 AND 47
46		1	RADIUS ROD - ORDER ASSEMBLY, ITEM 45
47	204157	1	PIVOT PIN
48	900052	2	5/8" x 3-1/2" MACHINE BOLT - COARSE THREAD
49	904209	2	5/8" LOCKWASHER
50	204165	1	STEERING SPINDLE SHAFT ASSEMBLY - INCLUDES ITEMS 51 AND 52
51		1	SHAFT - ORDER ASSEMBLY, ITEM 50
52	204729	1	BALL ARM - ORDER 204165, ITEM 50
53	910254	1	HY. PRO. KEY
54	U-3944	2	SPECIAL CAPSCREW
55	204161	1	DRAG LINK
56	204167	1	CORK RETAINER - UPPER
57	204168	1	CORK RETAINER - LOWER
58	204156	1	SPINDLE SHAFT CORK RETAINER
59	204155	1	STEERING GEAR CORK RING
60	204159	1	SNAP RING
61	204158	1	TIE ROD
62	910365	2	7/8" S.F. LIGHT HEX. NUT - FINE THREAD
63	208227	2	TIE ROD FORK
64	U-1881	1	TIE ROD FORK PIN
65	U-68-A	1	TIE ROD FORK PIN
66	904323	1	5/8" LIGHT CASTLE HEX. NUT - FINE THREAD
67	900808	1	1/8" x 1-1/2" COTTER PIN
68	204160	1	DRAG LINK BOOT
69	205979	1	WIRE - NOT SERVICED
70	206751	2	FRONT WHEEL SPINDLE ASSEMBLY - INCLUDES ITEMS 71 AND 72
71	U-43-A	2	SPINDLE - ORDER 206751, ITEM 70
72	U-48	4	BUSHING
73	206752	1	L.H. SPINDLE ARM ASSEMBLY - INCLUDES ITEMS 74 AND 75
74	U-1162	1	SPINDLE ARM - ORDER 206752, ITEM 73
75	U-67	1	BUSHING
76	206753	1	R.H. SPINDLE ARM ASSEMBLY - INCLUDES ITEMS 77 AND 78
77	U-1874	1	SPINDLE ARM - ORDER 206753, ITEM 76
78	U-67	1	BUSHING
79	U-50	2	FELT RING
80	205430	2	RETAINING RING
81	U-103	2	SPINDLE WASHER

(CONTINUED)

WIDE FRONT AXLE - STEEL WHEEL (CONT'D.)  
(GROUP 280061)

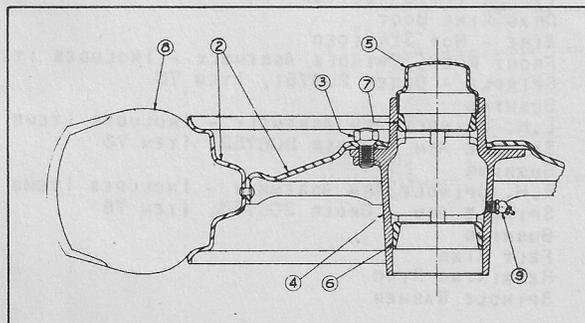
ITEM	PART NUMBER	QTY.	NAME
82	#342	2	TIMKEN CONE
	#3320	2	TIMKEN CUP
83	#14131	2	TIMKEN CONE
	#14274	2	TIMKEN CUP
84	U-334	2	FRONT WHEEL - STEEL
85	U-53	4	GUIDE RING 1-1/2" x 1-1/2" - 28" DIA. WHEELS
	U-1705	4	GUIDE RING 1" x 2" - 28" DIA. WHEELS
	U-413	4	GUIDE RING 2-1/2" x 2-1/2" - 28" DIA. WHEELS
	U-849	4	GUIDE RING 3-1/2" x 3-1/2" - 28" DIA. WHEELS
86	900018	16	1/2" x 1-1/4" MACHINE BOLT
	910472	16	1/2" x 1-1/2" MACHINE BOLT - USED WITH U-849 GUIDE RING
87	904208	16	1/2" LOCKWASHER
88	U-2107	1	STEERING WORM SHAFT
89	910186	1	3/8" x 1-3/4" STRAIGHT PIN
90	910187	1	3/8" x 2-1/16" STRAIGHT PIN
91	E-1694	2	CORK SEAL RING
92	E-1695	2	CORK RING RETAINER
93	U-1063	1	STEERING WORM BEARING BRACKET
94	903644	1	5/8" x 1-1/2" HEX. CAPSCREW - COARSE THREAD
95	904209	2	5/8" LOCKWASHER
96	U-1061	2	SHIM
97	U-1062	2	SHIM
98	U-2109	1	STEERING WORM SPACER
99	903792	1	5/8" x 1-3/4" HEX. CAPSCREW - COARSE THREAD
100	U-1111	1	STEERING WORM
101	204728	1	STEERING BALL PIN
102	#15578	2	TIMKEN CONE - WAS SHAFER #23700
	#15523	2	TIMKEN CUP - WAS SHAFER #23704
103	904325	2	1" LIGHT CASTLE HEX. NUT - FINE THREAD
104	900809	2	1/8" x 1-3/4" COTTER PIN
105	910006	4	1-1/4" EXPANSION PLUG
106	910260	4	1/8" GREASE FITTING
107	U-49	2	SPINDLE PIN WASHER
108	900809	1	1/8" x 1-3/4" COTTER PIN
109	911174	1	SPECIAL HEX. NUT - FINE THREAD
110	204541	1	SPECIAL SETSCREW
111	910260	1	1/8" GREASE FITTING
112	205978	1	WIRE - NOT SERVICED
113	905128	2	#17 WOODRUFF KEY
114	906910	2	1" S.F. HEX. JAM NUT - FINE THREAD
115	U-46	2	SPINDLE PIN
116	U-47	2	SPINDLE PIN LOCK STUD
117	900367	2	3/8" S.F. HEX. NUT - COARSE THREAD
118	904206	2	3/8" LOCKWASHER
119	910261	2	1/8" GREASE FITTING

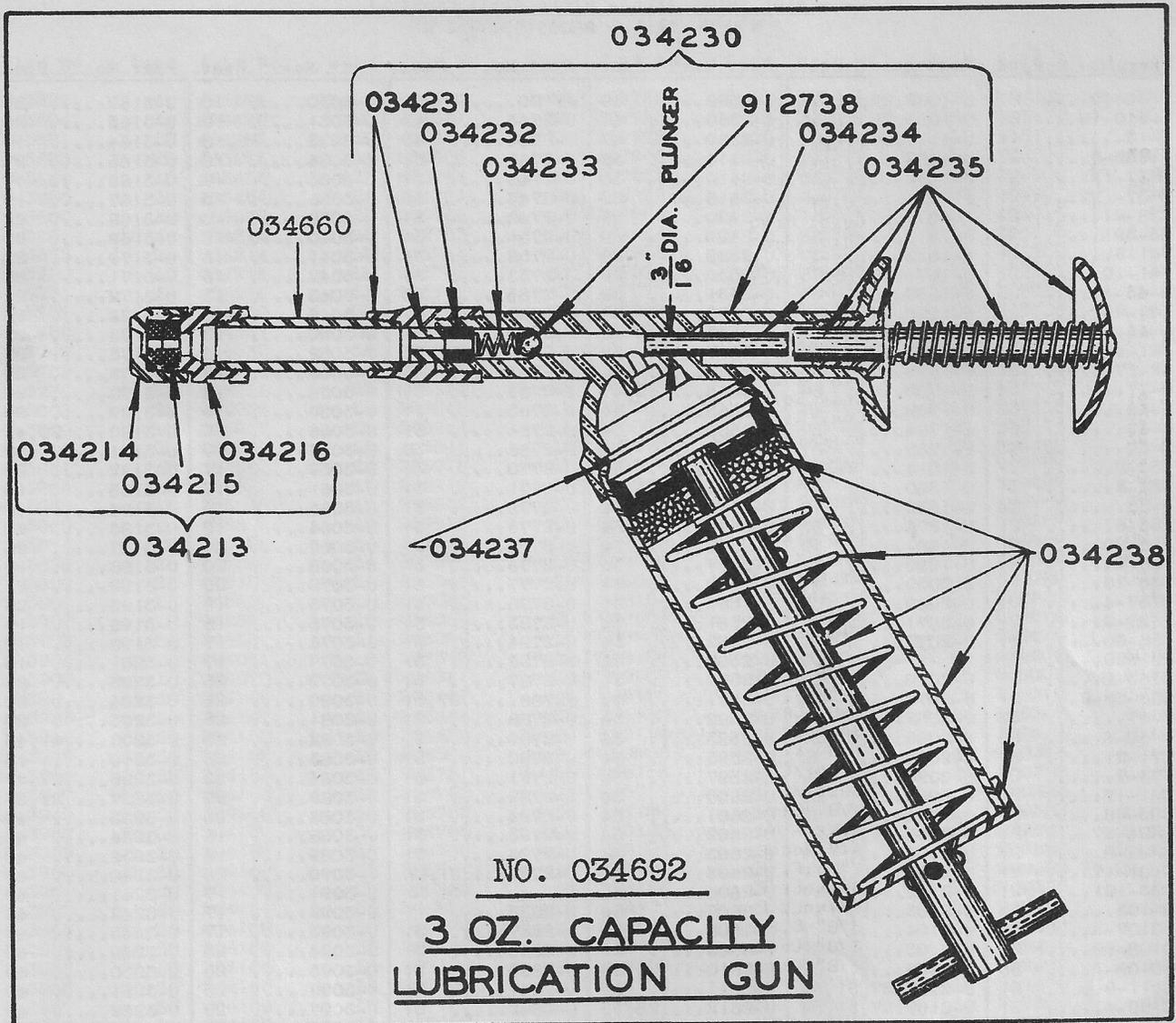
FOR  
AIR TIRED  
FRONT WHEEL  
SEE  
GROUP 280957  
BELOW

AIR TIRED FRONT WHEEL  
(GROUP 280957)

ITEM	PART NUMBER	QTY.	NAME
1	207975	2	FRONT WHEEL ASSEMBLY 6.00 x 16 - INCLUDES ITEMS 2 THRU 7
2	207494	2	RIM AND DISC
3	207503	10	FRONT HUB BOLT
4	207976	2	HUB
5	207977	2	HUB CAP
6	#3320	2	TIMKEN CUP - INNER
7	#14274	2	TIMKEN CUP - OUTER
8		2	6.00 x 16 TRACTOR TIRE & TUBE - NOT SERVICED
9	910261	2	GREASE FITTING

THESE ITEMS  
REPLACE ITEMS 84 THRU 87 ABOVE,  
WHEN WIDE FRONT AXLE  
IS EQUIPPED WITH  
AIR TIRED WHEEL





LUBRICATION GUN NO.034692

3 OZ. CAPACITY

<u>PART NUMBER</u>	<u>NAME</u>
034213	LINPAK NOZZLE
034214	LINPAK NOZZLE CAP
034215	LINPAK PACKING
034216	NOZZLE BODY
034660	NOZZLE EXTENSION - LONG
034230	PUMP HEAD ASSEMBLY
034231	NOZZLE EXTENSION ADAPTER
034232	EXTENSION ADAPTER PACKING
034233	BALL CHECK SPRING
034234	PUMP CASTING
034235	PLUNGER ROD AND KNOB
034237	LUB. CONTAINER GASKET
034238	LUB. CONTAINER ASSEMBLY
912738	PUMP CHECK BALL

NUMERICAL INDEX

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E-13	16	U-1111	27, 51, 54	E-2369	47	U-2744	43	U-3033	15, 16	U-3164	17
T1585-3	21	U-1157	47	U-2414	36	U-2745	31	U-3034	15	U-3165	27
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# AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home, or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason most accidents can be prevented by recognizing the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment, there are many conditions that can not be completely safe guarded against without interfering with reasonable accessibility and efficient operation.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT.

THE COMPLETE OBSERVANCE OF ONE SIMPLE RULE WOULD PREVENT MANY THOUSAND SERIOUS INJURIES EACH YEAR. THAT RULE IS:

**NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE WHILE IT IS IN MOTION!**

"National Safety Council"

**BE SAFE**

**BUY**

**GENUINE**

**MADE BETTER**  **LAST LONGER**

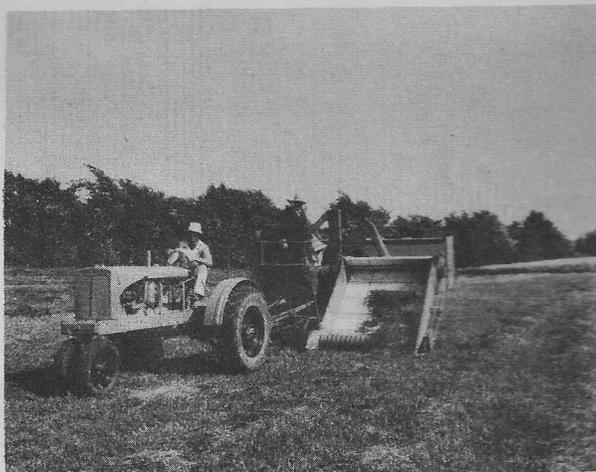
**PARTS**

Get your repairs from the manufacturer of your machine. Use only parts you know are honestly made by the people who are most interested in its success. Why take chances with parts built by outsiders, who have no interest in your welfare or in the performance of your equipment? Inferior repairs often result in accidents and extensive damage to the machine. Buy nothing but genuine Allis-Chalmers parts for Allis-Chalmers machinery . . . and be safe.

# YOUR NO. 1 MONEY-MAKER

**MODEL 60  
ALL-CROP HARVESTER**  
"SUCCESSOR TO THE BINDER"  
**OPERATES FROM THE POWER TAKE-OFF  
OF YOUR WC TRACTOR**

Match your WC TRACTOR with the Model 60 ALL-CROP HARVESTER and you'll have the best money-making outfit you ever owned! You can begin increasing your income by cutting your harvesting bill to *one-fourth* that for the binder-thresher method. You put in your pocket what you used to spend for twine, shocking, threshing bills and outside help. That's a good cash start toward more money in the bank . . . but you've just begun! You put up to 10% more grain in the bin . . . *often enough to pay the entire cost of harvesting* . . . by eliminating shelling losses from the bundle carrier, shock, bundle wagon and straw stack. On top of all this, you can add new income from harvesting the valuable seed of soilbuilding legumes and grasses . . . plus mother's blessing for freeing her from cooking for threshers. Truly, nothing can match the benefits of an individual *family* harvest on your own farm . . . with an ALL-CROP HARVESTER!

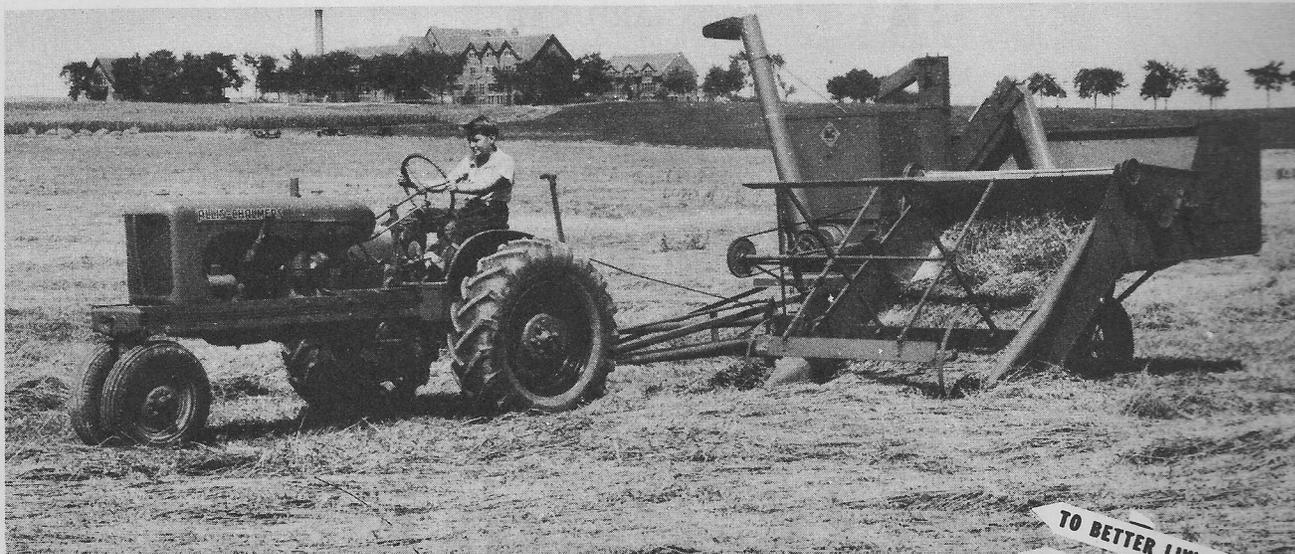


With "pickup" attachment, the All-Crop harvester (above) gets the crop from the windrow. Shown here harvesting alsike clover. Simple adjustments for small grains, beans and seeds.

Topping attachment may be used for sorghums . . . or with a "high-lift header" attachment, the All-Crop harvests hegari, milo, maize, kaffir, etc., cutting and threshing in one operation.



An All-Crop Harvester is your mechanical crop insurance. Close-cutting header shaves the ground, picking up grain down flat, cutting any direction.



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TRACTOR DIVISION—MILWAUKEE, U. S. A.

TO BETTER LIVING  
TO BETTER FARMING  
TO MORE PROFIT

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OKLAHOMA CITY, OKLA.

OMAHA, NEB.  
PEORIA, ILL.  
POCATELLO, ID.  
PORTLAND, OREG.  
ROCKFORD, ILL.  
SIOUX CITY, IA.  
SPOKANE, WASH.  
ST. LOUIS, MO.  
SYRACUSE, N. Y.  
TOLEDO, OHIO  
WICHITA, KAN.

## CANADA

CALGARY, ALTA.  
EDMONTON, ALTA.

REGINA, SASK.  
SASKATOON, SASK.

TORONTO, ONT.  
WINNIPEG, MANIT.

## FOREIGN

BUENOS AIRES, ARG.

LONDON, ENGLAND

PARIS, FRANCE

## FACTORIES LOCATED AT

SPRINGFIELD, ILL.  
LA CROSSE, WIS.

LA PORTE, IND.  
WEST ALLIS, WIS.

OXNARD, CAL

NOTE: IT IS VERY IMPORTANT THAT THIS BOOK BE FILED IN YOUR  
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# ALLIS-CHALMERS

TRACTOR DIVISION—MILWAUKEE, U. S. A.