

Instruction Book



Model D-2



including
illustrations and parts list

Important

TO INTERNATIONAL TRUCK OWNERS—

This instruction manual has been prepared and is furnished for the purpose of giving the user as much information as possible pertaining to the care and operation of this truck. The owner is urged to read and study this book and, if ordinary care is exercised, he will be assured of satisfactory service.

INTERNATIONAL HARVESTER COMPANY
(INCORPORATED)
180 NORTH MICHIGAN AVE. CHICAGO, ILLINOIS, U.S.A.

Special Instructions

Read carefully before attempting to operate truck.

1. The most important thing in operating a truck is proper attention to lubrication. A "Lubrication Chart" is provided and should be carefully studied. After exhaustive tests it has been found that lubricant recommended should be used.
2. A new truck should not be driven faster than thirty miles an hour for the first five hundred miles. The engine should not be raced or worked hard under any circumstances, until it has warmed up and is running smoothly, and with the carburetor choke button pushed "In."
3. Remove and clean "Air Cleaner" after every 5000 miles or oftener under severe dust conditions.
4. When starting, always engage clutch slowly so that engine will pick up the load gradually. This is particularly necessary when truck is under a heavy load.
5. This book contains instructions for operating in addition to illustrations and instructions pertaining to certain simple adjustments and replacements which can readily be made. The lists of parts for the various units on the truck are arranged in numerical order.
6. Special units, such as Bodies, Governors, Oil Filters, etc., are included in a separate "Special Equipment Units" book containing brief instructions together with illustrations and lists of parts.
7. When ordering parts for replacement, be sure to give chassis serial number and engine number. (See inside of back cover.)
8. No warranty is made with respect to tires, rims, ignition apparatus, horns, or other signalling devices, starting devices, generators, batteries, speedometers, or other trade accessories, inasmuch as they are warranted separately by the respective manufacturers.
9. All "International" Branches and Service Stations are uniformly equipped to service International Trucks. Every truck owner will receive courteous attention and prompt, efficient service, whether a minor repair or a major overhauling is required. Each branch carries an adequate stock of "Genuine" replacement parts for all emergencies and well-trained mechanics work according to factory standards. The user will find that there is never any guesswork or any tinkering so that economy in every operation is assured.
10. We reserve the right to make changes in design or add any improvements without incurring the obligation to install such changes on motor trucks previously purchased.

Specifications will be found on inside back cover.

CAUTION: Based on the fire hazard and insurance regulations, we do not recommend the use of gasoline for the cleaning of parts, at least not when service is performed inside of buildings. A less inflammable fluid than gasoline should be used, such as Stoddard solvent or kerosene.

NOTICE: Inspect fenders, hood, windshield, etc., so that blemishes or injuries received in transit may be noted on the freight bill.

TO PREPARE TRUCK FOR SERVICE

RADIATOR (Filler Cap is under Hood)

Fill radiator with clean soft water until water comes out of overflow pipe. If clean soft water cannot be obtained, strain through muslin or similar material to prevent foreign matter from entering. Never use water containing lime or other mineral matter. Under no circumstances should cold water be poured into radiator when engine is hot.

FUEL TANK

Never fill tank while engine is running or when an open flame is near. Keep funnel in contact with metal of tank when pouring in fuel to avoid possibility of an electric spark igniting the gas. Be very careful about lighting matches near gasoline, as the air within a radius of several feet is permeated with a highly explosive vapor. See that vent hole in fuel tank cap does not become plugged, as this will prevent proper flow of fuel to carburetor.

ENGINE OIL

Be sure that lubricating oil in crankcase is up to the "Full" mark on bayonet type gauge. Use only a good grade of engine oil and refer to the Lubrication Chart. When testing oil level, the bayonet type gauge should be withdrawn and wiped clean; then inserted all the way and withdrawn for a true reading. Never test oil level while engine is running.

BATTERY

Be sure water level is $\frac{1}{2}$ " above separators and plates. Use pure distilled water only. Connect up loose terminal.

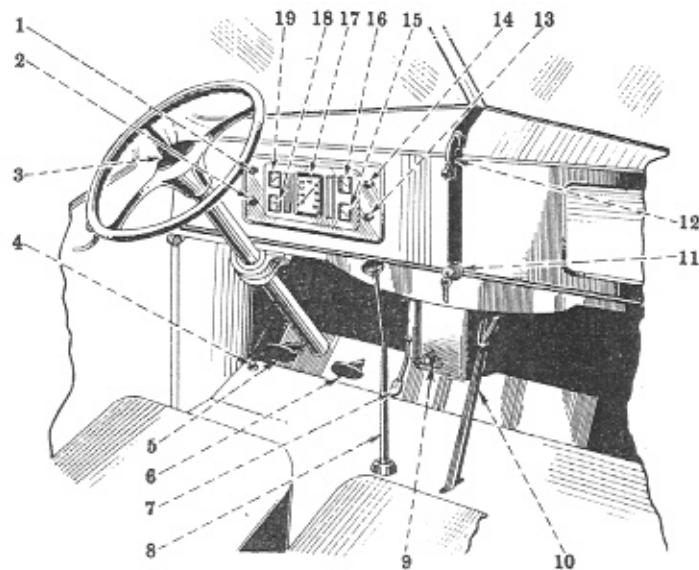
TIRES

Examine tires and be sure they have the proper air pressure. See tire pressure data on inside back cover.

HYDRAULIC BRAKE MASTER CYLINDER

Be sure fluid level is within $\frac{3}{8}$ " from bottom of filler neck.
Always use Genuine "Lockheed" Fluid.

OPERATING INSTRUCTIONS



Ref. No.	Description	Ref. No.	Description
1	Head and tail lamp switch.	11	Ignition switch.
2	Instrument lamp switch.	12	Windshield regulator.
3	Horn button.	13	Throttle control.
4	Dimmer switch.	14	Choke control.
5	Clutch pedal.	15	Fuel gauge.
6	Brake pedal.	16	Oil pressure gauge.
7	Accelerator.	17	Speedometer.
8	Transmission control lever.	18	Ammeter.
9	Starting switch.	19	Water temperature gauge.
10	Hand brake lever.		

TO START ENGINE

(See Illustration on page 2).

1. Set hand brake lever (pull back).
2. Put gear control lever in neutral position (see illustration on following page).
3. Pull throttle button 1/3 open. With button 1/3 open, the engine, after starting, will run at an excessive rate of speed, and throttle button should be gradually pushed in until the proper idling speed is obtained.
4. Insert switch key and turn it to running position.
5. Pull choke button 1/2 open to obtain proper mixture for starting. In extremely cold temperature the choke button may be pulled out the full distance, but should be immediately pushed part way in when engine starts.
6. Push clutch pedal forward and keep it there until the engine is running.
7. Step on starting switch and start engine (remove foot from switch the instant engine starts). When engine warms up, gradually push in choke button.

THROTTLE CONTROL

The speed of the engine can be controlled by either the throttle button at the instrument panel or by the foot pedal, or accelerator. The throttle button at instrument panel should be used only for starting and idling of the engine. When driving the truck, use the foot pedal, or accelerator, to increase or decrease the speed of the engine.

CHOKE CONTROL

The correct use of the choke is very important. If not properly used it may cause serious injury to engine by allowing unburned gasoline to leak down past the pistons thus thinning the lubricating oil.

When warming up a cold engine, the choke should be pulled out only far enough to permit the engine to run evenly without popping and stalling. Always return the choke button to the OFF position just as soon as the engine operation will permit.

Do not use the choke when starting a warm engine without first attempting to start the engine with the normal fuel mixture.

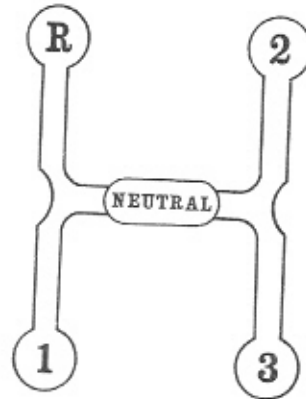
TO START TRUCK

Push clutch pedal forward, disengaging clutch. Clutch must always be disengaged when changing gears.

First, or low, speed: Move gear control lever towards left and pull back to position marked (1). Speed up engine slightly and engage clutch slowly, so as to neither stall the engine nor jerk the truck, and at the same time release the hand brake.

To shift to second speed: As the truck gains speed, declutch, push gear control lever forward, right, and then forward to position marked (2). Engage clutch slowly.

To shift to third speed: Declutch and pull lever back to position marked (3). Engage clutch slowly.



- 1 - First or low speed.
- 2 - Second or intermediate.
- 3 - Third or high speed.
- R - Reverse.

TO REVERSE

Declutch, stop truck and push gear control lever forward to position marked (R). Engage clutch slowly.

STOP TRUCK

Close throttle and apply foot brake. When truck has slowed down to idle speed of engine, declutch, continuing to apply brake until truck stops.

Put gear control lever in neutral position and apply hand brake when truck has stopped. Clutch may then be engaged.

TO STOP ENGINE

Close throttle; then turn switch to "off" position.

LIGHTING CONTROL SWITCHES (see illustration on page 2).

The head lamps and tail lamp are controlled by a single switch which is operated by a button at the instrument panel. When the button is pulled half-way out the tail lamp only is lighted. When it is pulled out all of the way the head lamps and tail lamp are lighted. In addition to this switch control, the beams from the head lamps can be switched from dim to bright or from bright to dim by pressing on the foot dimmer switch located on the toe board.

The instrument lamp is controlled by a push-and-pull switch at the instrument panel.

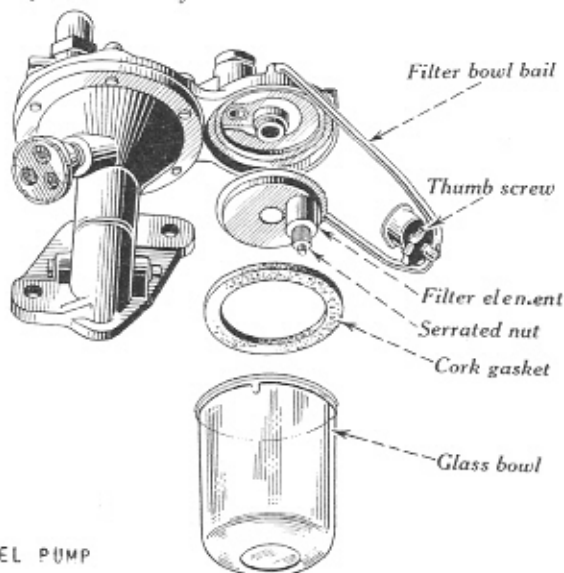
AIR CLEANER (Oil Bath Type)

Remove filter element and wash in kerosene every 5,000 miles, or oftener under severe dust conditions. Clean out oil base and refill to indicated level with clean oil. For warm climate use SAE 50, for cold climate use SAE 20 or SAE 30.

Be sure all kerosene has thoroughly drained from filter element before reassembling.

FUEL FILTER

The filter bowl and filtering element should be removed and cleaned periodically.



TO CLEAN: Loosen thumb screw on bottom of filter and remove filter bowl and filtering element. Wash filter bowl in kerosene. The sediment can be removed from the filtering element with a blast of air after serrated nut on post has been unscrewed a few turns.

When assembling be sure that serrated nut on filter post is finger tight, cork gasket is in place and thumbscrew is tight. A leak at the cork gasket will cause erratic action of the pump and retard delivery of fuel to the carburetor. When a new cork gasket is used, soak it in light engine oil before assembling.

FUEL PUMP

In some instances trouble is attributed to the fuel pump, when in reality it is caused by some other condition. Trouble should be carefully checked to avoid the needless replacement of the fuel pump.

Lack of Fuel at the Carburetor:-

Main fuel tank empty. Leaky fuel pipe or connections. Fuel filter bowl loose, cork gasket broken or dirty filtering element. Loose valve plug or leakage of fuel at the diaphragm. Remove fuel line at carburetor and run starting motor. If fuel spurts out of the fuel line, the fuel pump is working.

Leakage of Fuel at the Diaphragm:-

Loosen cover screws; then tighten them alternately and securely. Caution: Do not dismantle the pump body. Note: Sometimes there appears to be a leak at the diaphragm, whereas the leak actually exists at one of the pipe fittings and fuel has run down the pump to the diaphragm flange, appearing to originate there.

If trouble cannot be located after a careful check, take fuel pump to an International Harvester Service Station.

OIL PRESSURE

Pressure on gauge at idling speed (200 to 300 R.P.M.) should read between 5 to 10 pounds, when oil is hot. Maximum pressure is set at the factory to read between 25 to 30 pounds (at 500 to 600 R.P.M.). Oil pressure is controlled by a relief valve located on the distributor side of crankcase, and is not adjustable.

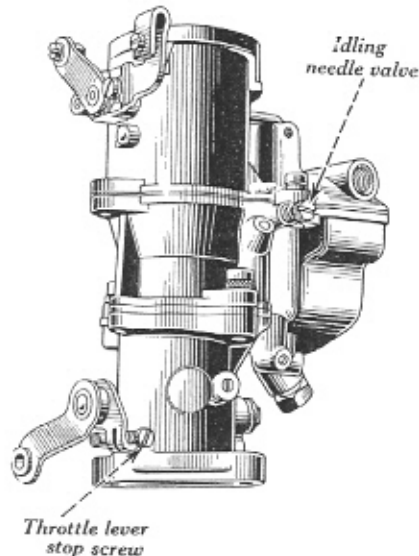
CARBURETOR (Zenith)

Dirt and water will disturb the functioning of the carburetor. Clean periodically.

IDLING ADJUSTMENT:

Clean and gap spark plugs (see page 7). Clean and adjust distributor breaker points (see page 10). Start engine and run until thoroughly warm.

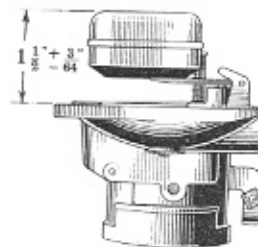
Close throttle fully and set the stop screw on the throttle lever so that the engine will run sufficiently fast to keep it from stalling. Turn in or out on idling needle valve until engine fires evenly and without galloping or skipping. Then back off on stop screw until desired idling speed is obtained, after which it may be necessary to readjust the idling needle valve.

**FLOAT LEVEL ADJUSTMENT:**

The float lever is properly set at the factory and should require no adjustment except when rough handling of carburetor has changed the level.

For good performance, a float level of 1-1/8" (with an allowable variation of 3/64") should be maintained. This measurement should be taken on side of float opposite the intake needle and measured from bottom of float to machined surface of bowl cover, with gasket removed.

Do not bend the float lever arm to change float level. A replacement of the float is recommended whenever maladjustment of float level exists.

**WATER PUMP PACKING NUT ADJUSTMENT**

A water leak at the pump shaft is usually caused from neglecting to turn down the grease cup regularly. If, however, the leak is not stopped by turning down the grease cup, the packing nut should be tightened. Packing nut should not be tightened to a point that will cause binding of the pump shaft. When packing nut has reached the limit of its travel, new packing should be installed.

SPARK PLUGS

Trucks when leaving the factory are equipped with standard service "AC" spark plugs. When the operation of the truck is severe it is sometimes necessary to change to severe service spark plugs. Before making any changes, however, consult an International Harvester Service Station.

Keep spark plugs free from carbon. Gap between points should be set at .020" to .025". (*Be accurate - use a feeler gauge!*) When changing the gap, always bend the outer electrode, never bend the center electrode. For good performance, it is recommended that spark plugs be replaced every 10,000 miles.

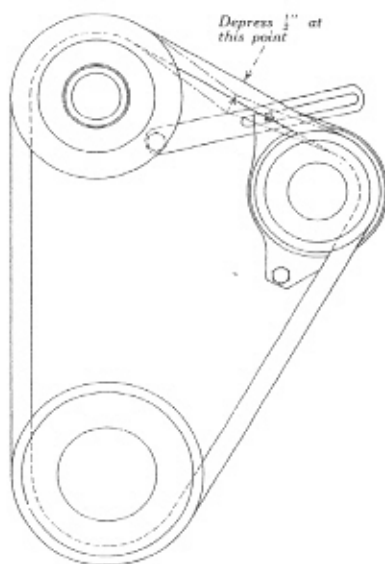


FAN BELT ADJUSTMENT

Tension of belt should be examined periodically. The proper tension is obtained when belt can be depressed approximately 1/2".

To adjust the belt, loosen generator mounting capscrews and generator brace capscrew; then move generator in or out as required. After adjustment has been made, be sure to tighten the capscrews.

When belt becomes grease-soaked or worn to a great extent, it should be replaced to prevent slipping.



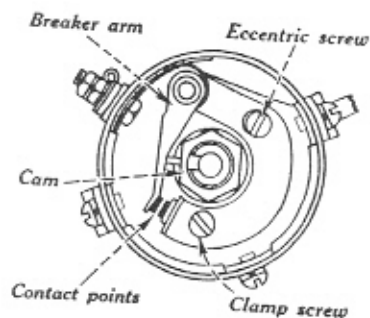
Distributor Contact Points

Adjustment of contact points can be made with a screw driver as follows:

Crank engine slowly until breaker arm rests on high points of cam lobe.

Loosen breaker arm clamp screw and turn eccentric screw until there is from .018" to .024" gap between contact points. Be accurate--use a feeler gauge!

After adjustment has been made, be sure to tighten clamp screw.



Ignition Timing

Before attempting ignition timing, see that gap between distributor breaker points is between .018" to .024". Points must be clean, free from pits and seating squarely on each other.

Remove number one spark plug. Crank engine by hand until number one piston is coming up on compression stroke. This can be determined by holding thumb over spark plug hole. When piston is coming up on compression stroke, a strong pressure will be felt, forcing thumb away from hole. From this point, turn crank slowly until timing notch on crankshaft pulley is directly in line with the timing pointer on gear case cover. If by chance when cranking, the notch is turned beyond pointer, start over by cranking engine until number one piston is again coming up on the compression stroke; continuing to crank until the notch and pointer are directly in line. This will prevent any back lash from affecting the timing.

Remove distributor cap and spark plug cables. Also make sure that the distributor advance indicator is on the zero mark. Next loosen distributor clamp screw and turn distributor body clockwise until contact points just start to separate, with the breaker arm rubbing block on lead side of cam lobe. Lock distributor in this position by tightening the clamp screw. When turning the distributor body, lightly press the rotor in opposite direction of rotation so as to take up all backlash in the distributor drive. Replace the distributor cap.

The distributor is now in firing position for number one cylinder and number one spark plug cable must be assembled in the distributor cap in the terminal hole directly above the rotor. The firing order is 1-5-3-6-2-4 and spark plug cables must be assembled in the distributor cap in this order in an anti-clockwise rotation.

To recheck timing, turn on ignition switch and slowly crank engine until number one piston is coming up on the compression stroke. Hold the plug end of number one spark plug cable 1/4" from cylinder head and continue cranking very slowly until a spark occurs. At this point, timing notch on pulley should be directly opposite timing pointer on gear case cover. If these are not in line when spark occurs, distributor must be reset.

If fuel of a high anti-knock value is used regularly, slightly more economy can be obtained by advancing spark timing from the normal setting, which is zero on distributor adjustment indicator. If low grade fuel, or fuel low in anti-knock value, is used regularly, it may be necessary to slightly retard spark from the normal setting. The owner, however, should consult an International Harvester Company Service Station before attempting to make any change from the normal setting.

NOTE: When the oil pump has been removed from the engine, it will be necessary to remove the ignition distributor, before re-installing the pump assembly. This is required to assure proper alignment of the distributor shaft with the oil pump shaft. Also it will be necessary to retime the ignition.

RADIATOR

Drain the radiator every 1000 miles and flush with fresh water to remove rust and other foreign deposits. Chemical mixtures should not be used in attempting to stop radiator leaks.

Keep the engine warm, 160° to 180°F. During cold weather cover the lower portion of the radiator sufficiently high to maintain 160° to 180°F.

In order to completely drain the water from the cooling system, it is necessary to open the drain cock the left hand side of cylinder block, between generator and distributor.

Anti-Freezing Solutions

For continuous cold weather, use solutions having a low freezing point.

Do not use calcium chloride or salt solutions, as they cause water jacket to rust and thus clog up water circulation.

If a solution of alcohol and water is used, keep adding a small amount of alcohol from time to time to compensate for rapid evaporation. Glycerine does not evaporate and need not be renewed.

To Clean: After anti-freezing solutions have been removed, fill radiator with a hot solution of lye water the strength of one pound of lye to seven gallons (U.S.) of water. Run engine for about ten minutes, then drain solution and thoroughly flush system. When flushing the system, radiator outlet hose should be disconnected as large particles of sediment will not pass through the drain cock.

PROPERTIES OF ANTI-FREEZING SOLUTION												
% By Volume	Denatured Alcohol			Menthanol (Wood Alcohol)			Distilled Glycerine			Ethylene Glycol (Prestone)		
	Freezing Point		Specific Gravity	Freezing Point		Specific Gravity	Freezing Point		Specific Gravity	Freezing Point		Specific Gravity
	°C	°F		°C	°F		°C	°F		°C	°F	
0%	0	32	1.000	0	32	1.000	0	32	1.000	0	32	1.000
10%	-3	27	.988	-5	23	.987	-2	29	1.029	-3	26	1.016
20%	-7	19	.978	-12	10	.975	-6	21	1.057	-9	16	1.031
30%	-12	10	.968	-19	-2	.963	-11	12	1.085	-16	3	1.045
40%	-19	-2	.957	-29	-20	.952	-18	0	1.112	-24	-11	1.058
50%	-28	-18	.943	-40	-40	.937	-26	-15	1.140	-35	-31	1.070

WEEKLY INSPECTION OF TRUCK

Inspect engine oil. It is poor economy to lubricate with dirty oil, or oil which has become diluted with unburned fuel.

Inspect and clean spark plugs. Examine for cracked insulation. See that spark plug gaskets are compression-tight. Inspect battery.

Inspect distributor breaker points. If the breaker points are not kept clean they will burn rapidly and new ones will have to be installed.

Examine for water leaks. Tighten hose clamps. Fan belt must have proper tension. Examine Air Cleaner and clean.

Go over the nuts on the wheel bolts every few days and see that they are tight.

PREST-O-LITE BATTERY

Periodical Examinations

Examine the battery at least twice a month in summer and once a month in winter to see that the solution is kept to the proper level.

Acid or electrolyte should never be added except by a skilled battery man. Under no circumstances add any special battery "dopes," solutions or powders.

The electrolyte in each cell should be 1/2" above the separators and plates. When the electrolyte is below this level, pure distilled water should be added. Never use hydrant water which has been in a metal receptacle. Keep a bottle or jar of pure distilled water on hand for battery use only. To put water in a cell in which electrolyte is low, use a clean syringe.

Test specific gravity of the electrolyte in each cell at least once a month with a hydrometer. A hydrometer reading of 1.270 to 1.285 indicates a full charge. Never allow the battery to fall below 1.225 which indicates half discharged. A discharged battery will freeze at temperatures as high as 20°F. above zero. A fully charged battery, however, will withstand temperatures as low as 45° to 50°F. below zero.

Battery cable terminals must be clean and tight. Use hot water for removing terminal corrosion and for cleaning top of battery. Brighten terminal contact surface with wire wool, apply a light coat of vaseline and reassemble. Be sure terminals are clamped tightly and that battery is clamped securely in the battery box. If this is done two or three times a year, no trouble from corroded terminals should be experienced.

Guarantee and Service Adjustment Certificate (not for Export).

A certificate is furnished with the battery on all Prest-O-Lite equipped trucks. This certificate entitles the truck owner to service as described on the reverse side.

For Export (Dry Batteries)

Complete instructions are included with Battery.

This section contains instructions and illustrations pertaining to certain adjustments which can be made. However, the owner should consult an International Harvester Company Service Station before attempting a general overhauling or when any mechanical difficulties occur.

ENGINE

To avoid trouble and expense the operations described should be done by an experienced mechanic. Best results will be obtained if the truck is taken to a regular International Harvester Service Station.

Compression

Compression in all cylinders should be equal. Loss of compression is probably due to worn cylinders, worn pistons and rings, imperfect seating of valves, too little clearance between ends of valve tappets and stems or by carbon deposits on the valve seats.

Removing Cylinder Head and Gasket

Drain the water and disconnect upper hose at radiator. Disconnect spark plug cable at spark plugs and heat indicator cable at engine unit. Remove cylinder head stud nuts and lift off horn and spark plug cable brackets. With a heavy screw driver pry up on cylinder head on lug provided on front end and tap with a lead hammer until the head is loose and can be lifted easily. Do not drive a chisel or screw driver between cylinder head and block, as the gasket will be ruined. When replacing the cylinder head gasket, use a little heavy grease or suitable sealing compound to cover the gasket all over.

Removing Carbon

After removing the cylinder head, carbon deposits can be scraped easily from piston head and cylinder head by using a sharp edged tool. Do not attempt to remove carbon by burning out with oxygen. This is a very unreliable method and will result in damaging the cylinder head gasket and pistons.

It is advisable, whenever removing carbon, to also grind the valves. Also if the engine is carbonized to a great extent it is advisable to examine the piston rings, as usually they will be found carbonized tight in the grooves. This carbon should be removed and the rings should have free play in their grooves.

Valve Grinding

Remove valve cover plate from side of engine and with a suitable valve spring lifter, raise valve springs and remove valve spring seat keys or locks.

Be careful that the keys do not drop through into the crankcase. If they do, it means removing the oil pan, an unnecessary operation when grinding valves.

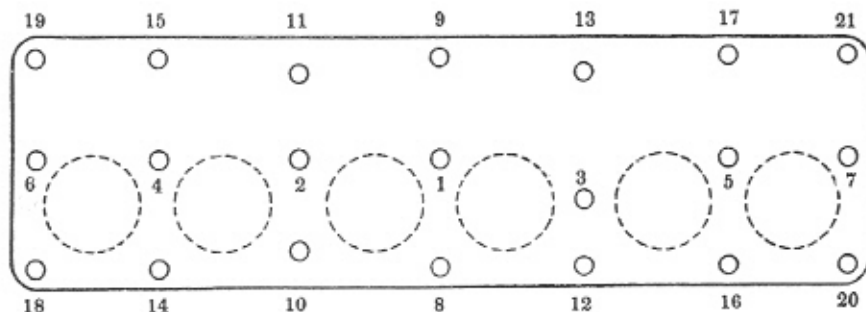
REPLACING GASKET AND CYLINDER HEAD

Carefully inspect the gasket for flaws or signs of gas blowing between perforations and see that the asbestos is of even thickness throughout.

If the gasket shows signs of failure, a new gasket must be used if satisfactory performance is expected. Whether a new or old gasket is used, it must be covered on both sides with cup grease or suitable sealing compound. Carefully place the gasket in position on the studs, with the smooth side up as stamped on gasket, and press it down carefully. Make sure that no foreign matter is adhering to the gasket or to the surface of the cylinder block.

Tighten down nuts in center of head first, working both ways towards the ends as shown in illustration. This is important and will insure freedom from strains in the cylinder head casting and possibly a water leak.

After the engine has been running a few minutes, tighten the nuts down firmly again. (Be sure to fill the radiator with clean soft water before starting the engine.)



When replacing gasket and cylinder head, tighten nuts in the order shown.

VALVE TAPPET ADJUSTMENT

Proper clearance for extreme service is .010" intake and exhaust when engine is hot. For ordinary service and where the slight increase in tappet noise with the wider clearance is objectionable, tappets may be set at .006" intake and .008" exhaust. This closer setting, however, will necessitate more frequent adjustment of tappets.

Caution: Settings closer than the minimum mentioned above will result in hard starting, high fuel consumption and burned valves. (BE ACCURATE - USE A FEELER GAUGE!)

REMOVING PISTONS

To remove pistons from cylinder block, remove cylinder head and oil pan. With connecting rod cap removed, piston and rod assembly may be pushed out thru top of block.

REMOVING PISTON RINGS

With piston and connecting rod assembly out of the engine, it is easy to remove the piston rings, as follows:

Hold the assembly by clamping the connecting rod in a vise. If it is caught just beneath the piston, the vise will prevent the piston moving while working on it. Place three metal strips under top piston ring having two strips set a short distance from joint in ring and have third strip set directly opposite joint. This spreads ring evenly all the way around, thus allowing ring to be removed without breaking. Take off all rings in the same manner. After rings are removed, clean out all carbon in ring grooves on piston as it will be impossible to fit new rings if carbon is allowed to remain in grooves.



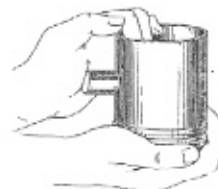
Removing Piston Rings

FITTING NEW PISTON RINGS

New rings should be fitted into the cylinders before trying to place them on the pistons. When fitting new rings in the cylinder, put the piston in the cylinder ahead of the rings. Push the rings against the top of the piston. This will prevent them from being out of square with the cylinder bore and a false reading of the joint clearance will be avoided. When the rings are square, both the oil and the compression rings should have a joint clearance of .012" (with an allowable variation of .005" smaller or .010" larger). Side clearance between rings and grooves in piston should be .001" to .0025" for oil control ring and .0015" to .003" for compression rings.

PISTON PINS

After removing the connecting rod and piston, test the pin for looseness in the piston bosses. A loose pin will cause a knock, in which case replacement is necessary. Pin is held in place by a snap ring at each end. Piston pin should be palm push fit, at normal room temperature (70° F).



Fitting Piston Pin

It is very important when reaming the bearings in the piston pin bosses, to see that the holes are reamed smoothly and in perfect alignment, so that pin will fit properly.

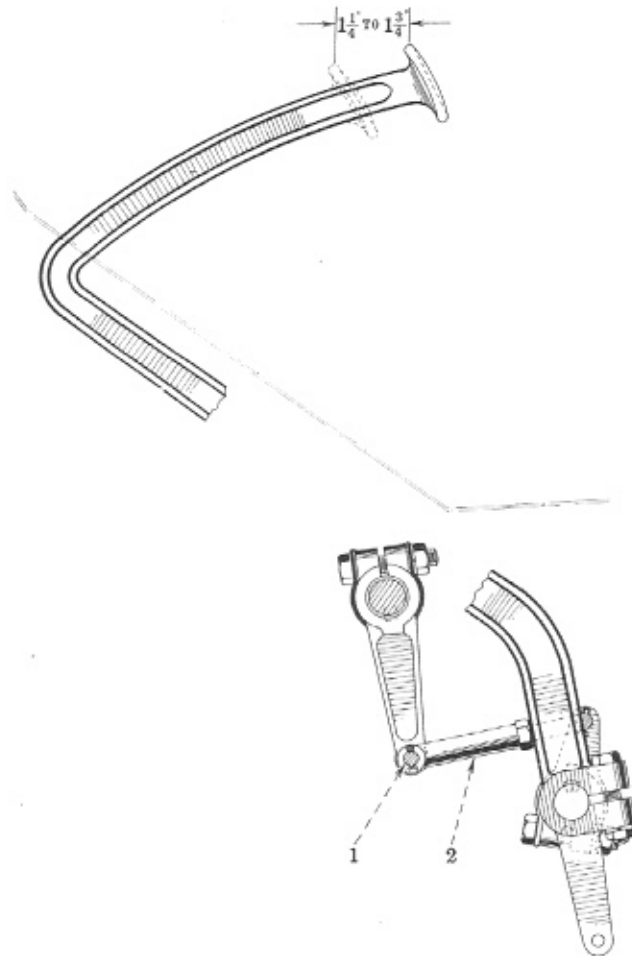
ADJUSTING CONNECTING ROD BEARINGS

The work of adjusting the connecting rod bearings should be undertaken only by an expert mechanic in a properly equipped service station.

The factory setting for clearance between the connecting rod bearing and crankshaft is .001" to .0025". A side clearance of .005" to .009" is allowed.

The connecting rods are fitted with five .003" shims which permits adjustment for bearing wear up to .0075". The connecting rod or cap should never be filed; if bearing wear cannot be adjusted by removing shims, it is of extreme importance that new bearings be installed. Do not assemble cap with shims all on one side.

CLUTCH PEDAL ADJUSTMENT



Keep foot off the clutch pedal except to shift gears or when truck is to be brought to a stop.

The correct clearance, or free travel, for the clutch pedal is from 1-1/4" to 1-3/4". That is, when clutch pedal is depressed, there should be from 1-1/4" to 1-3/4" movement in the pedal before clutch starts to disengage. The pedal should be checked occasionally and adjusted whenever free travel has been reduced to 1" or less.

To adjust the clutch pedal, remove clevis pin (1) and turn adjustable yoke (2).

PROPELLER SHAFT AND UNIVERSAL JOINTS

Disassembly can be made at either the front or the rear section of the joint by merely removing the four cap screws holding the yoke and trunnion bearings.

It is extremely important that the individual trunnion bearings be re-assembled on the same journals from which they were originally removed and it is advisable to wire them in place while other service operations are being performed.

Caution: In reassembling, be sure that the splined stub is entered in the slip yoke so as to bring the trunnions of the yoke on rear end of shaft parallel with the trunnions of the slip yoke on the front joint. If this is not done, a rough and unsatisfactory performing joint will result.

SPRINGS

Spring breakage can be materially reduced by proper loading, keeping spring "U" bolts and clips tight and lubricating spring leaves and shackle bolts freely.

Examine the spring "U" bolts and rebound clips. Tighten the nuts periodically.

FRONT WHEEL BEARING ADJUSTMENT

(Be sure, before making bearing adjustment, that brakes are not dragging).

Jack up wheel. Remove wheel cap and hub cap. Pull cotter pin and tighten wheel bearing adjusting nut until wheel binds slightly, rotating wheel at the same time to make sure that all surfaces are in proper contact. Back nut off one castellation from the cotter pin hole, which assures sufficient looseness. Replace cotter pin and fasten securely.

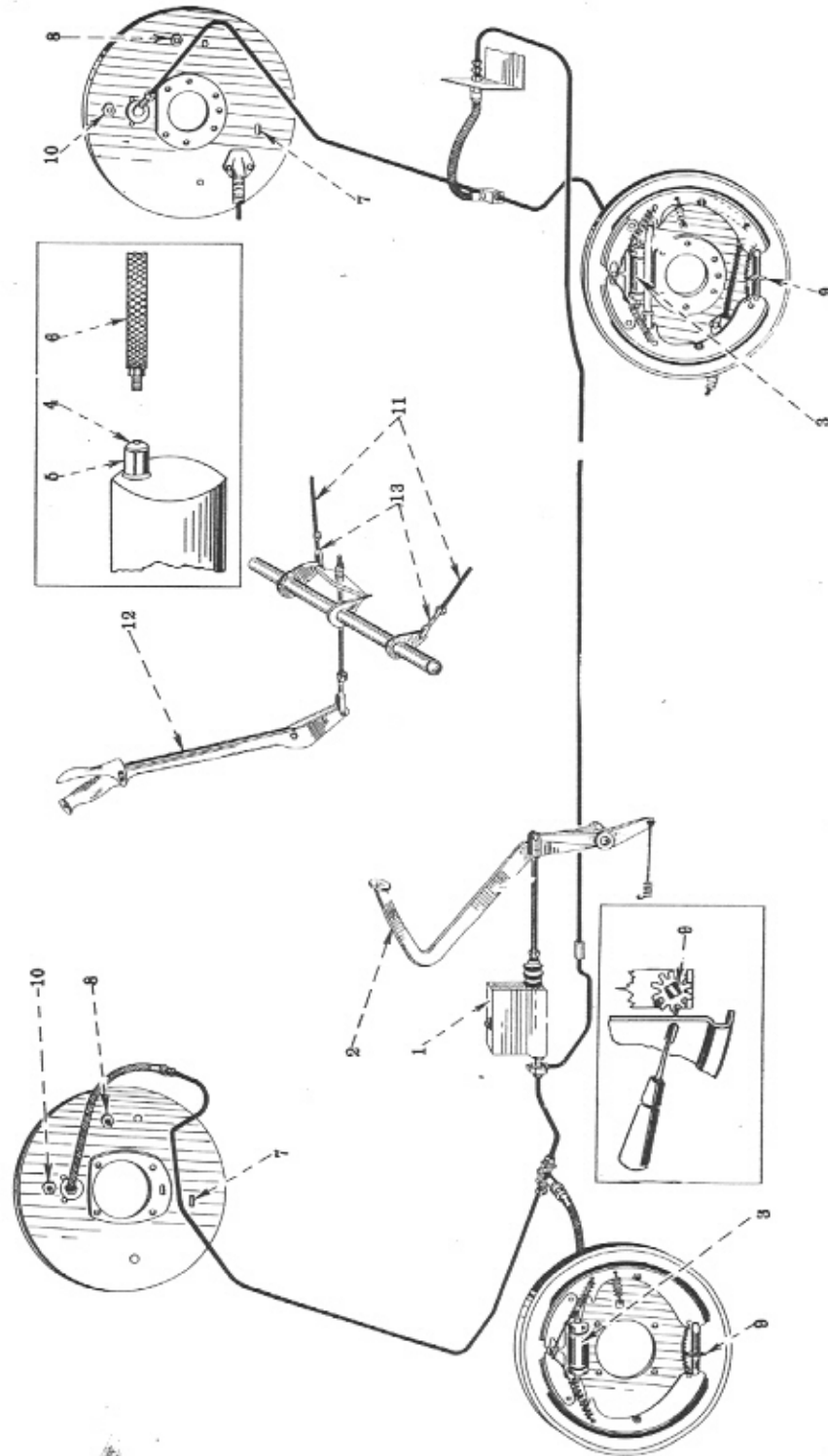
LOVEJOY SHOCK ABSORBERS

Always use Genuine Lovejoy Shock Absorber Fluid which can be obtained at all United Motors Service Branches and Service Stations.

Check of fluid level should be made every 10,000 miles. Fluid should be kept up to bottom of filler plug hole. An actual leak will cause a shortage of fluid, which can easily be determined by disconnecting the arm linkage and pulling the arm down. If the arm moves easily a part of the stroke, then comes to a stop and moves slowly for the remainder of the stroke, there is not enough fluid in the absorber.

When replenishing fluid wipe around the filler opening before removing plug to remove all dirt; should dirt enter, it will impair operation, and complete removal and disassembly will be necessary to remove all trace of dirt. Disconnect link between axle and absorber arm. Fill absorber to the proper level with Genuine Lovejoy Shock Absorber fluid, moving the arm up and down several times, forcing out any air in the cylinder. Add fluid and repeat operations until no more fluid can be added.

HYDRAULIC BRAKE ADJUSTMENT



(See pages 19 and 20 for adjusting instructions.)

CARE AND ADJUSTMENT OF 4-WHEEL "HYDRAULIC" BRAKES

Never reline the brake shoes. Use "Exchange" replacement shoes with lining assembled and burnished to a perfect circle. This will assure a satisfactory job at a cost comparable with that of relining. When installing new or relined shoes, they should be replaced only in sets and while it is not recommended, an individual shoe may be replaced. The truck user should understand that individual shoe replacements are made at his own risk.

(See illustration on page 18)

Keep all lubricant and brake fluid away from brake linings.

Inspect master cylinder (1) each one thousand miles for correct fluid level. Fluid should be within 3/8" from bottom of filler neck. Do not fill supply tank to top of filler neck.

Caution: When removing supply tank filler cap, extreme care must be used to prevent dirt from entering master cylinder.

Always use Genuine "Lockheed" fluid. The use of other than Genuine "Lockheed" fluid or the introduction of mineral base oil into the system will cause rubber parts to swell and become inoperative.

BRAKE PEDAL ADJUSTMENT

When brake control system is in release position, foot brake pedal (2) should have 1/4" free travel before the pressure stroke starts. This free travel is required to prevent blocking of bypass port in master cylinder. Should by pass port become blocked, brakes will drag due to pressure building up in system. Should all brakes drag, pressure may be relieved by removing screw (4) from bleeder (5) and unscrewing bleeder three-quarters of a turn. Foot brake pedal should travel approximately 1 1/2" to 2 1/2" to apply the brakes, if shoe clearance is correct.

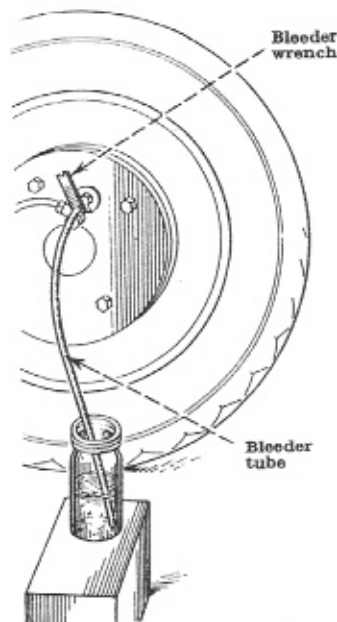
BLEEDING THE LINES

Any air inside the hydraulic system must be removed. Whenever a line has been disconnected at master cylinder, the entire system must be bled at all four wheels until all air is completely expelled. When a line has been disconnected at any wheel cylinder (3) both wheel cylinders must be bled. Air in the system will cause a springy, rubbery action of the brake pedal. Should a sufficient quantity be introduced into the system, the brake pedal will go to the toe board under normal pressure.

Fill master cylinder supply tank with Genuine "Lockheed" fluid and see that it is kept at least half full during entire bleeding operation.

Remove screw (4) from end of bleeder connection (5) and attach bleeder tube (6). Allow tube to hang in a clean container, such as a pint glass jar. Unscrew bleeder connection three-quarters of a turn and depress brake pedal by hand, allowing pedal to return slowly. Pumping brake pedal forces fluid out into glass jar and carries with it any air which might be present in the system. Watch flow of fluid from tube, the end of which should be kept below surface of fluid in glass jar, and when all air bubbles cease to appear or when stream is a solid fluid mass, close bleeder connection.

Fluid withdrawn in "bleeding" operation should not be used again. Fluid should be replenished in supply tank after each cylinder is bled. Should supply tank be drained during bleeding operation, air will enter the system and rebleeding will then be necessary.



CARE AND ADJUSTMENT OF 4-WHEEL HYDRAULIC BRAKES - Continued

ADJUSTMENT FOR WEAR

- (a) Jack up wheel and have brake control system in release position.
- (b) Remove brake adjusting hole cover (7).
- (c) Loosen lock nut on eccentric adjustment (8).
- (d) Turn eccentric in the same direction that wheel revolves when truck is moving forward, until a decided brake drag is felt when wheel is being pulled over by hand.
- (e) Turn eccentric in the opposite direction until wheel is just free of brake drag.
- (f) Tighten eccentric lock nut.
- (g) Using a screw driver, turn adjusting screw (9) until brake shoes are solidly against brake drum.
- (h) Back off adjusting screw until there is .010" drum to lining clearance. Clearance can be checked with a feeler gauge thru feeler gauge hole in brake drum.
- (i) Make this adjustment at each of the four wheels.

MAJOR ADJUSTMENTS

The following instructions are necessary only when fitting replacement shoes or when instructions under "Adjustment for Wear" fail to give satisfactory results.

During the inspection or disassembly of brake shoes, the hydraulic control position of the system should be left intact so that bleeding of the lines will not be required. The brake pedal must never be depressed at any time when the brake drums are not in place.

- (a) Jack up wheel and have the brake control system in release position.
- (b) Remove brake adjusting hole cover (7).
- (c) Loosen lock nut on eccentric adjustment (8).
- (d) Insert a .010" feeler gauge in the inspection hole in brake drum and turn brake drum so that the feeler gauge is between lining and drum at adjusting screw end of the secondary (rear) shoe.
- (e) Turn eccentric in same direction that wheel revolves when truck is moving forward, until the feeler gauge is snug.
- (f) Loosen lock nut on anchor pin (10) one complete turn.
- (g) With a screw driver or suitable tool, turn anchor pin in the desired direction and turn eccentric until .010" lining to drum clearance is obtained at each end of the secondary (rear) shoe.
- (h) Tighten anchor pin lock nut as tight as possible with a 16" wrench; also tighten eccentric lock nut.
- (i) Using a screw driver, turn adjusting screw (9) until brake shoes are solidly against brake drum.
- (j) Back off adjusting screw until there is .010" drum to shoe clearance.
- (k) Make this adjustment at each of the four wheels.

HAND BRAKE ADJUSTMENT

The hand brake is the cable control type to the rear wheels.

The hand brake cables (11) should be adjusted any time it is necessary to adjust the brake shoes. Pull hand lever (12) back two notches on ratchet. Shorten brake cables by removing clevis pins and turning adjustable yokes (13) until a slight brake drag is felt at rear wheels. This will leave the brakes free when hand lever is released.

Never attempt to adjust the hand brake by adjusting brake shoes.

LIST OF PARTS AND ILLUSTRATIONS

Detailed illustrations together with list of parts in numerical order showing descriptions are included in this section. Section covers only "standard" units. List and illustrations pertaining to "special" units will be found in a separate "Special Equipment" book.

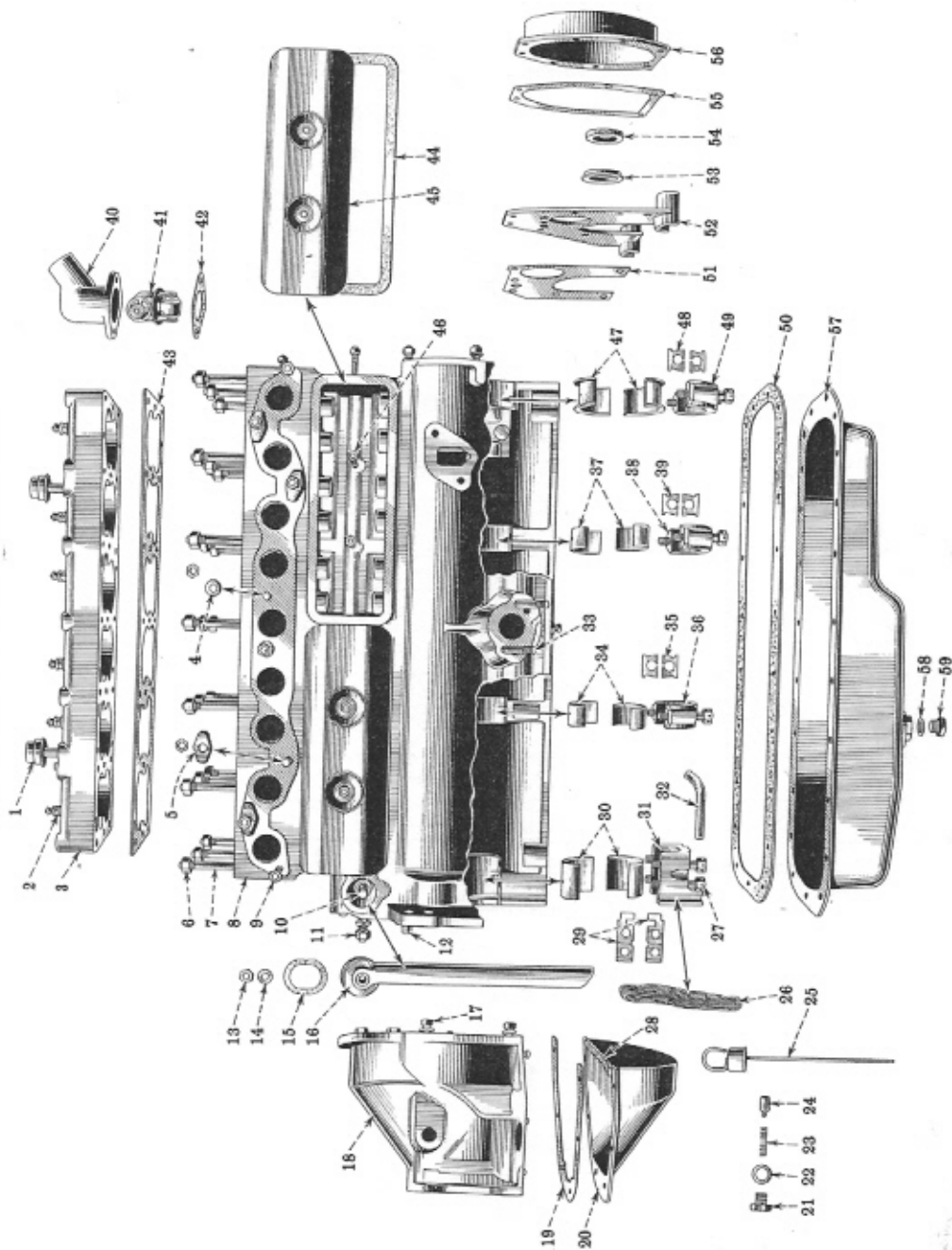
NOTE:- Unnumbered parts in the illustrations are the same as corresponding parts shown with number. Particular attention should be given to the location of bolts, capscrews, washers, etc., so that they are replaced in the holes from which they were removed.

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Engine (Model "HD-213")
(3-5/16x4-1/8")

Cylinder Head, Crankcase, Oil Pan



Unnumbered parts in the illustrations are the same as corresponding parts shown with number.

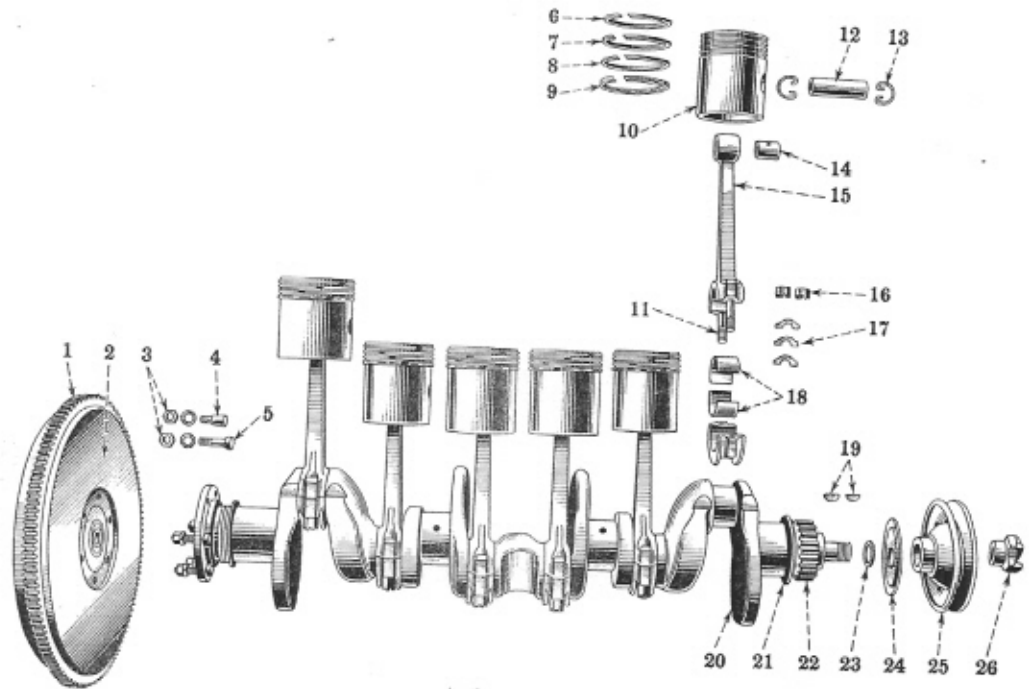
Engine (Model "HD-213")
(3-5/16x4-1/8")

Index to Reference Nos. appearing in illustrations on opposite page.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	60836 H	13	3/8" nut	29	64415 HA	44	1754 Y
2	{ 46628 HA	14	1746 Y	30	1727 YB	45	62519 HX
3	{ spark plug	15	1748 Y	31	1730 YAX	46	62498 H
4	{ 67000 HA	16	1744 YA	32	1737 Y	47	56729 H
5	{ 67001 HA	17	1770 Y	33	1696 Y	48	64414 HA
6	1888 Y	18	61646 HA	34	1717 YB	49	1698 YA
7	60844 H	19	65241 H	35	64414 HA	50	1763 Y
8	1763 Y	20	61642 HX	36	1720 YA	51	1783 Y
9	{ 42101 H	21	53547 H	37	1707 YB	52	60848 HX
10	{ 1762 YA	22	1928 Y	38	1710 YA	53	1867 Y
11	{ 1690 YLX	23	1926 Y	39	64414 HA	54	1866 Y
12	{ 23375 V	24	1925 YA	40	60846 H	55	1863 Y
	{ 1886 Y	25	1750 YA	41	{ 41980 H	56	1862 YEX
	{ 1887 Y	26	1738 Y	42	{ Thermostat	57	1773 YEX
	{ 52726 V	27	1739 Y	43	41981 H	58	3405 H
	{ 30981 H	28	62517 H		54390 HA	59	41300 HA
	{ 54808 H						

Engine (Model "HD-213")
(3-5/16x4-1/8")

Crankshaft, Flywheel, Connecting Rods, Pistons, etc.



Unnumbered parts in the illustrations are the same as corresponding parts shown with number.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	60825 H	10	1797 YAX	19	7220 T
2	60826 HX	11	64115 HAX	20	1784 YF
3	21937 V	12	1803 Y	21	1787 Y
4	1791 Y	13	1819 Y	22	1786 Y
5	1789 Y	14	50292 H	23	1793 Y
6	1807 Y	15	60832 HX	24	1792 YA
7		16	1832 Y	25	1794 YB
8		17	64116 H	26	41266 HB
9	50903 H	18	1623 YF		

ENGINE (6-CYLINDER)

(Including Fan and Water Pump)

(IHC Model "HD-213" - 3-5/16x4-1/8")

I H C Part No.	Description
CYLINDER BLOCK AND CYLINDER HEAD	
9983 T	Cylinder block drain cock (not for high output generator).
42101 H	Cylinder head stud, long.
42128 H	Cylinder head stud nut washer (for high altitude head).
54390 HA	Cylinder head gasket.
60836 H	Engine breather.
67000 HA	Cylinder head (not high altitude).
67001 HA	Cylinder head (high altitude).
22910 V	Oil filter boss screw washer.
23139 V	Cylinder block expansion plug.
52726 V	Cylinder block ventilator stud.
1690 YLX	Cylinder block assembled with valve guides and studs (less pistons, flywheel housing and crankshaft bearings).
1690 YMY	Cylinder block (1690 YLX) complete with pistons (less flywheel housing, and crankshaft bearings).
1694 Y	Cylinder block oil passage pipe plug.
1744 YA	Cylinder block ventilator.
1746 Y	Cylinder block ventilator stud nut gasket.
1748 Y	Cylinder block ventilator to cylinder block gasket.
1762 YA	Cylinder head stud, short.
1763 Y	Cylinder head stud nut.
CRANKSHAFT	
13921 H	Crankshaft rear bearing oil drain tube pin.
42294 HF	Crankshaft (.020" undersize).
42295 HF	Crankshaft (.030" undersize).
50273 HB	Crankshaft second bearing, complete (.020" undersize).
50276 HB	Crankshaft third bearing, complete (.020" undersize).
50279 HB	Crankshaft rear bearing, complete (.020" undersize).
51062 HB	Crankshaft second bearing, complete (.060" undersize).
51065 HB	Crankshaft third bearing, complete (.060" undersize).
51068 HB	Crankshaft rear bearing, complete (.060" undersize).
56729 H	Crankshaft front bearing, complete (standard).
56730 H	Crankshaft front bearing, complete (.010" undersize).
56731 H	Crankshaft front bearing, complete (.020" undersize).
56732 H	Crankshaft front bearing, complete (.030" undersize).
56733 H	Crankshaft front bearing, complete (.060" undersize).
59710 H	Crankshaft oil deflector.
64414 HA	Crankshaft bearing shim (front, second and third).
64415 HA	Crankshaft bearing shim (rear).
7220 T	Crankshaft sprocket key.
1698 YA	Crankshaft front bearing cap.
1707 YB	Crankshaft second bearing, complete (standard).
1708 YB	Crankshaft second bearing, complete (.010" undersize).
1709 YB	Crankshaft second bearing, complete (.030" undersize).
1710 YA	Crankshaft second bearing cap.
1717 YB	Crankshaft third bearing, complete (standard).
1718 YB	Crankshaft third bearing, complete (.010" undersize).
1719 YB	Crankshaft third bearing, complete (.030" undersize).
1720 YA	Crankshaft third bearing cap.
1727 YB	Crankshaft rear bearing, complete (standard).

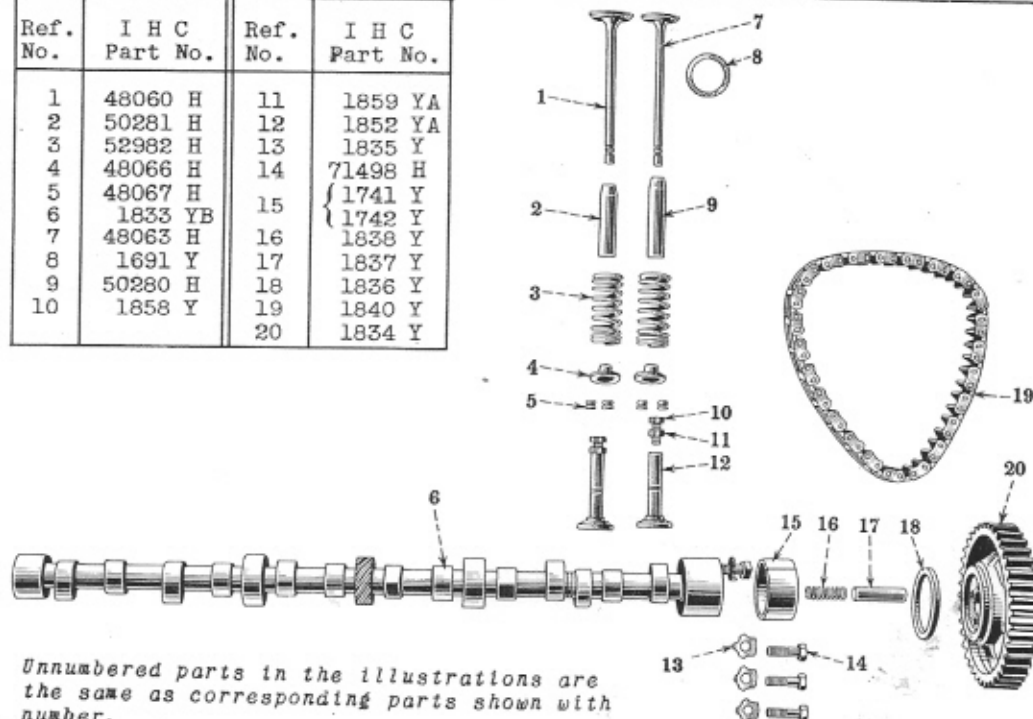
I H C Part No.	Description
ENGINE (6-Cylinder)(Model "HD-213" - 3-5/16x4-1/8")- Continued	
CRANKSHAFT - Continued	
1728 YB	Crankshaft rear bearing complete (.010" undersize).
1729 YB	Crankshaft rear bearing complete (.030" undersize).
1730 YAX	Crankshaft rear bearing cap with 1737 Y oil tube and 13921 H
	pin.
1737 Y	Crankshaft rear bearing oil drain tube.
1738 Y	Crankshaft rear bearing cap packing.
1739 Y	Crankshaft bearing caps to crankcase capscrew.
1740 Y	Lockwire for 1739 Y capscrew.
1784 YF	Crankshaft (standard).
1786 Y	Crankshaft sprocket.
1787 Y	Crankshaft thrust washer.
1792 YA	Crankshaft oil slinger.
1793 Y	Crankshaft oil slinger gasket.
1866 Y	Crankshaft packing (in engine front cover).
1867 Y	Crankshaft packing retainer.
2960 Y	Crankshaft thrust washer shim.
CONNECTING RODS	
51074 HE	Connecting rod bearing complete (.060" undersize).
60832 HX	Connecting rod with upper bushing, bolts and nuts.
64115 HAX	Connecting rod bolt with 1832 Y nut.
64116 H	Connecting rod bearing shim.
1823 YF	Connecting rod bearing, complete (standard).
1826 YF	Connecting rod bearing, complete (.020" undersize).
1829 YF	Connecting rod bearing, complete (.030" undersize).
1832 Y	Connecting rod bolt nut.
3026 YE	Connecting rod bearing, complete (.006" undersize).
3029 YE	Connecting rod bearing, complete (.026" undersize).
3032 YE	Connecting rod bearing, complete (.036" undersize).
PISTONS, PINS AND RINGS	
50292 H	Piston pin bushing (in connecting rod).
50903 H	Piston ring (oil control)(standard).
50905 H	Piston ring (oil control)(.010" oversize).
50906 H	Piston ring (oil control)(.020" oversize).
50907 H	Piston ring (oil control)(.030" oversize).
50908 H	Piston ring (oil control)(.040" oversize).
1797 YAX	Piston with 1803 Y pin and 1819 Y retainers (standard).
1798 YAX	Piston with 1803 Y pin and 1819 Y retainers (.005" oversize).
1799 YAX	Piston with 1803 Y pin and 1819 Y retainers (.010" oversize).
1800 YAX	Piston with 1803 Y pin and 1819 Y retainers (.020" oversize).
1801 YAX	Piston with 1803 Y pin and 1819 Y retainers (.030" oversize).
1802 YAX	Piston with 1803 Y pin and 1819 Y retainers (.040" oversize).
1803 Y	Piston pin (standard).
1804 Y	Piston pin (.003" oversize).
1805 Y	Piston pin (.005" oversize).
1806 Y	Piston pin (.008" oversize).
1807 Y	Piston ring (compression)(standard).
1809 Y	Piston ring (compression)(.010" oversize).
1810 Y	Piston ring (compression)(.020" oversize).
1811 Y	Piston ring (compression)(.030" oversize).
1812 Y	Piston ring (compression)(.040" oversize).
1819 Y	Piston pin retainer.

ENGINE (6-Cylinder)(Model "HD-213" - 3-5/16x4-1/8") - Continued

VALVES

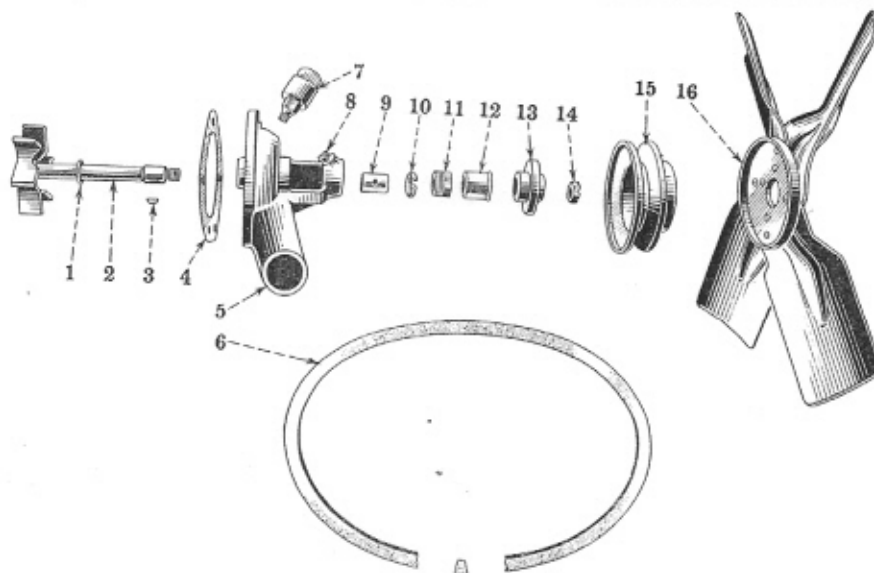
I H C Part No.	Description	I H C Part No.	Description
48060 H	Intake valve (standard).	52982 H	Valve spring.
48061 H	Intake valve (.010" over-size).	62498 H	Valve spring cover stud.
48062 H	Intake valve (.020" over-size).	62519 HX	Valve spring cover assembly.
48063 H	Exhaust valve (standard).	1691 Y	Exhaust valve seat ring (standard).
48064 H	Exhaust valve (.010" over-size).	1754 Y	Valve spring cover gasket.
48065 H	Exhaust valve (.020" over-size).	1852 YA	Valve tappet (standard).
48066 H	Valve spring retainer.	1853 YA	Valve tappet (.003" over-size).
48067 H	Valve spring retainer lock.	1854 YA	Valve tappet (.005" over-size).
50250 H	Exhaust valve seat ring (.010" oversize).	1858 Y	Valve tappet adjusting screw.
50280 H	Exhaust valve stem guide.	1859 YA	Valve tappet adjusting screw locknut.
50281 H	Intake valve stem guide.		
CAMSHAFT			
13231 D	Camshaft rear bushing expansion plug.	1834 Y	Camshaft sprocket.
71498 H	Camshaft sprocket capscrew.	1835 Y	Camshaft sprocket capscrew lockwasher.
1741 Y	Camshaft front bushing (export only).	1836 Y	Camshaft thrust washer.
1742 Y	Camshaft front bushing (.010" undersize) (Domestic).	1837 Y	Camshaft thrust plunger.
1833 YB	Camshaft.	1838 Y	Camshaft thrust plunger spring.
		1840 Y	Camshaft drive chain.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	48060 H	11	1859 YA
2	50281 H	12	1852 YA
3	52982 H	13	1835 Y
4	48066 H	14	71498 H
5	48067 H	15	{ 1741 Y
6	1833 YB		{ 1742 Y
7	48063 H	16	1838 Y
8	1691 Y	17	1837 Y
9	50280 H	18	1836 Y
10	1858 Y	19	1840 Y
		20	1834 Y



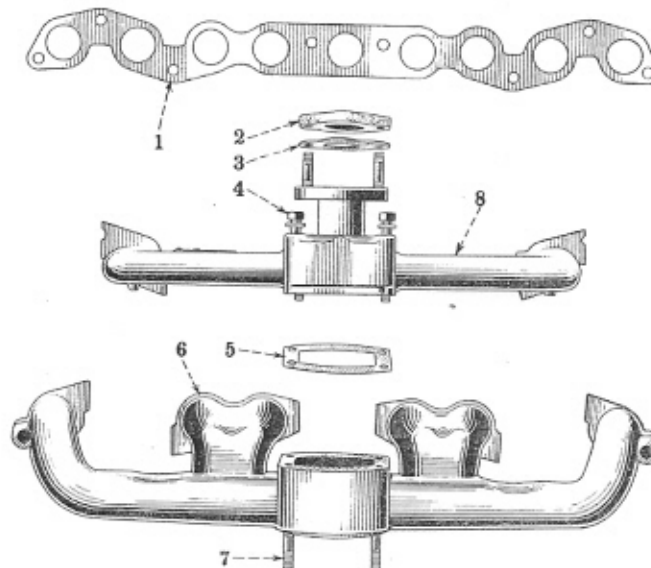
Unnumbered parts in the illustrations are the same as corresponding parts shown with number.

I H C Part No.	Description
ENGINE (6-Cylinder)(Model "HD-213" - 3-5/16x4-1/8")- Continued	
FAN, FAN BELT, WATER PUMP AND WATER OUTLET	
27311 D	Water pump shaft front bushing oiler.
34263 HA	Water pump packing.
41991 H	Water outlet gasket.
45090 H	Water pump shaft bushing, front.
57314 H	Water pump packing nut.
60837 H	Water pump to cylinder block gasket.
60846 H	Water outlet.
61453 H	Fan assembly.
61817 HAX	Water pump body with bushings.
61818 H	Water pump thrust washer.
61819 H	Water pump shaft bushing, rear.
61820 HX	Water pump shaft with impeller.
63079 HA	Water pump complete, less fan.
64567 H	Fan and water pump pulley hub.
69194 H	Fan and water pump pulley.
4167 T	Fan pulley hub to water pump shaft key.
7220 T	Fan drive pulley key.
22910 V	Water pump to cylinder block screw washer.
32006 VA	Water pump grease cup.
1794 YB	Fan drive pulley (on crankshaft).
1895 Y	Fan and generator drive belt (not for high output generator).



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	61818 H	7	32006 VA	12	45090 H
2	61820 HX	8	27311 D	13	64567 H
3	4167 T	9	61819 H	14	1/2" nut
4	60837 H	10	34263 HA	15	69194 H
5	61817 HAX	11	57314 H	16	61453 H
6	1895 Y				

I H C Part No.	Description
ENGINE (6-Cylinder)(Model "HD-213" - 3-5/16 x 4-1/8")- Continued)	
FLYWHEEL AND HOUSING	
30981 H	Flywheel housing to cylinder block stud.
54808 H	Flywheel housing to cylinder block dowel.
60825 H	Flywheel ring gear.
60826 HX	Flywheel with 60825 H ring gear.
61642 HX	Flywheel housing lower cover assembly.
61646 HA	Flywheel housing.
62517 H	Flywheel housing lower cover felt.
65241 H	Flywheel housing lower cover gasket.
21937 V	Flywheel bolt nut.
1770 Y	Flywheel to crankshaft dowel nut.
1789 Y	Flywheel housing to cylinder block capscrew.
1791 Y	Flywheel bolt.
	Flywheel to crankshaft dowel.
ENGINE FRONT COVER	
1862 YEX	Engine front cover assembly.
1863 Y	Engine front cover gasket.
INTAKE AND EXHAUST MANIFOLD	
60844 H	Manifold clamp.
61978 HAX	Exhaust manifold with studs.
62300 HX	Intake manifold with studs.
62305 H	Intake to exhaust manifold gasket.
64930 H	Exhaust to intake manifold capscrew.
23375 V	Intake and exhaust manifold to cylinder block stud, intermediate.
1876 Y	Intake and exhaust manifold gasket.
1886 Y	Intake and exhaust manifold to cylinder block stud, long.
1887 Y	Intake and exhaust manifold to cylinder block stud, short.
1888 Y	Manifold clamp washer.



Ref. No.	I H C Part No.
1	1876 Y
2	{ 2159 YA Carburetor insulator
3	{ 66453 H Carburetor mtg. gasket
4	64930 H
5	62305 H
6	61978 HAX
7	23375 V
8	62300 HX

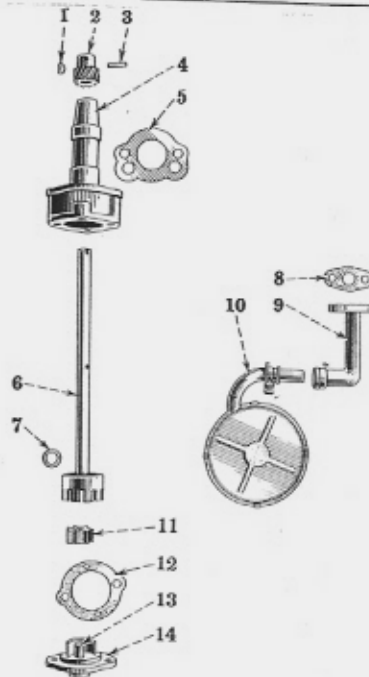
I H C
Part No.

Description

ENGINE (6-Cylinder)(Model "HD-213" - 3-5/16 x 4-1/8")- Continued

OIL PUMP, OIL FLOAT, OIL PAN, OIL LEVEL GAUGE,
OIL FILLER AND OIL RELIEF

1563 H	Oil pump pinion pin (in oil pump cover).
3405 H	Oil pan drain plug gasket.
41300 HA	Oil pan drain plug.
44224 H	Oil pump pinion.
44255 HA	Oil pump shaft with rotor.
59547 H	Oil relief plunger spring retainer.
4167 T	Oil pump shaft key.
22910 V	Oil pan capscrew washer (at crankshaft rear bearing).
1696 Y	Oil pump to cylinder block stud.
1749 Y	Oil filler tube.
1750 YA	Oil level gauge assembly.
1773 YEX	Oil pan assembly.
1783 Y	Oil pan gasket.
1912 Y	Oil pump body.
1912 YCX	Oil pump assembly.
1916 Y	Oil pump shaft (cork) washer.
1918 YAX	Oil pump cover with 1563 H pin.
1919 Y	Oil pump cover gasket.
1920 Y	Oil pump driven gear.
1921 Y	Oil pump driven gear pin.
1922 Y	Oil pump body to cylinder block gasket.
1923 YA	Oil float support.
1924 Y	Oil float support gasket.
1925 YA	Oil relief plunger.
1926 Y	Oil relief plunger spring.
1928 Y	Oil relief plunger spring retainer washer.
1931 YA	Oil float assembly.
1932 YA	Oil level gauge cap (felt) washer.



Ref. No.	I H C Part No.
1	4167 T
2	1920 Y
3	1921 Y
4	1912 Y
5	1922 Y
6	44255 HA
7	1916 Y
8	1924 Y
9	1923 YA
10	1931 YA
11	44224 H
12	1919 Y
13	1563 H
14	1918 YAX

I H C Part No.	Description
ENGINE (6-Cylinder) (Model "HD-213 - 3-5/16 X 4-1/8")	
Engine Supports and Dust Shields	
60848 HX	Engine front support plate assembly.
61811 H	Engine front support plate to cylinder block gasket.
62441 H	Engine front mounting bolt.
62442 H	Engine rear mounting insulator, lower.
62443 H	Engine rear mounting insulator, upper.
62444 H	Engine front mounting spring.
62445 H	Engine front mounting insulator.
62447 H	Engine dust shield, right.
62448 H	Engine dust shield, left.
62774 H	Engine front support bracket.
69275 H	Engine rear mounting bolt washer.
71047 H	Engine torsional rod plate (on third cross member).
71048 HX	Engine torsional rod (not for trucks with 4-speed transmission)
71684 H	Engine rear mounting bolt.
1861 Y	Flat head screw (front front support plate).
1868 Y	Engine front support plate to cylinder block stud.

Starting Crank

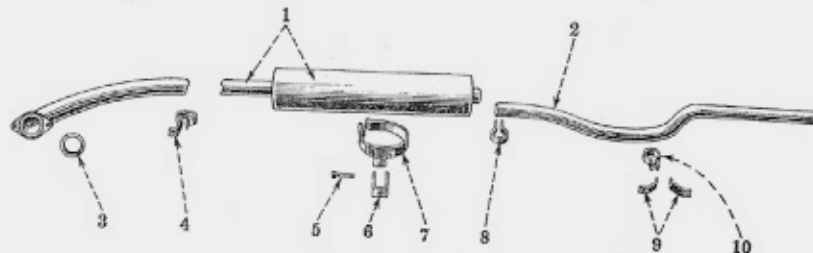
I H C Part No.	Description
41266 HB	Starting crank nut (on crankshaft).
41971 H	Starting crank pin.
43547 HX	Starting crank with pin.
68513 H	Starting crank bracket (on bumper).

Thermostat

I H C Part No.	Description
41980 H	Thermostat

MUFFLER, EXHAUST PIPE AND TAIL PIPE

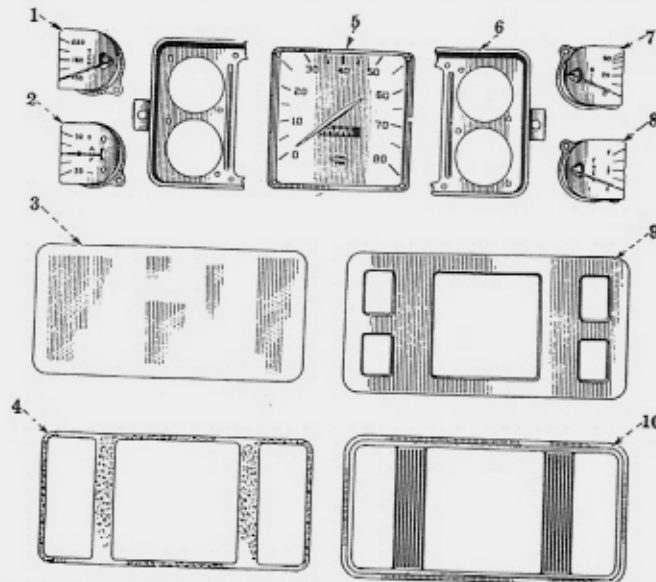
I H C Part No.	Description
37684 H	Exhaust pipe to manifold stud nut.
41823 H	Exhaust pipe to manifold seal ring.
62316 H	Muffler tail pipe support clamp.
62317 H	Muffler support frame bracket.
62318 H	Muffler tail pipe support frame bracket.
62319 HX	Muffler support strap assembly.
62320 H	Muffler tail pipe.
62426 HA	Muffler and exhaust pipe assembly (113" W.B.)
62432 HA	Muffler and exhaust pipe assembly (125" W.B.)
62838 HA	Muffler outlet clamp.
68744 H	Exhaust pipe support.
68745 H	Exhaust pipe support spacer.
23343 V	Exhaust pipe to manifold stud.
61390 V	Muffler support strap mounting bolt.



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	62432 HA	6	62317 H
2	62426 HA	7	62319 HX
3	41823 H	8	62838 HA
4	68744 H	9	62318 H
5	61390 V	10	62316 H

INSTRUMENT CLUSTER

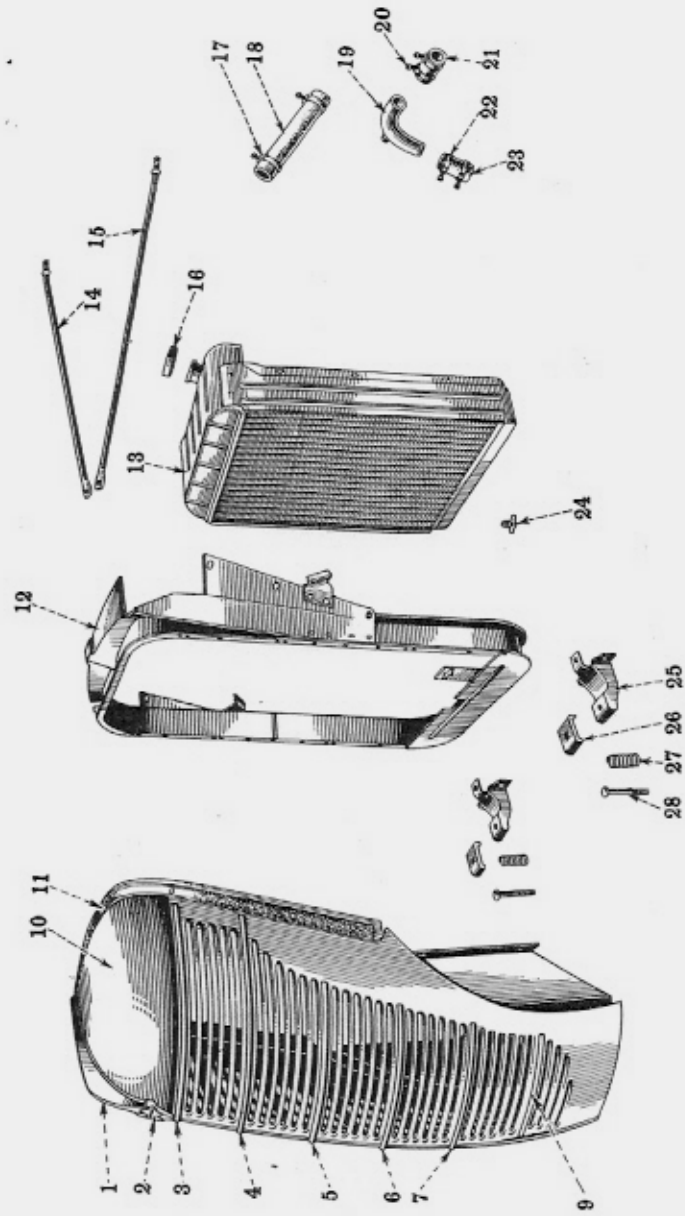
Consisting of:
Oil Pressure Gauge, Temperature Indicator, Fuel Gauge and Ammeter.



Ref. No.	I H C Part No.
1	64966 H
2	64954 H
3	66580 H
4	66581 H
5	63277 H
6	Speedometer 67021 HX
7	64965 H
8	64955 H
9	66582 H
10	64967 H

I H C Part No.	Description
65212 H	Instrument cluster, complete (less speedometer).
24790 D	Instrument terminal nut lockwasher.
37314 H	Oil pressure and temperature indicator terminal screw (engine unit).
47895 H	Instrument terminal nut.
48716 H	Oil pressure and temperature indicator terminal screw lockwasher (engine unit).
63089 H	Temperature indicator (engine unit).
63090 H	Oil pressure gauge (engine unit).
64954 H	Ammeter.
64955 H	Fuel gauge (panel unit).
64965 H	Oil pressure gauge (panel unit).
64966 H	Temperature indicator (panel unit).
64967 H	Instrument cluster bezel.
64968 H	Instrument cluster housing with glass and bezel.
64996 H	Instrument mounting screw.
65789 HX	Instrument cluster adapter panel with clips.
66580 H	Instrument cluster glass.
66581 H	Instrument cluster glass gasket.
66582 H	Instrument cluster dial mask.
67021 HX	Instrument cluster housing (less glass and bezel).
67980 H	Instrument cluster mounting screw lockwasher.
74423 H	Instrument terminal nut spring washer.

RADIATOR AND CONNECTIONS



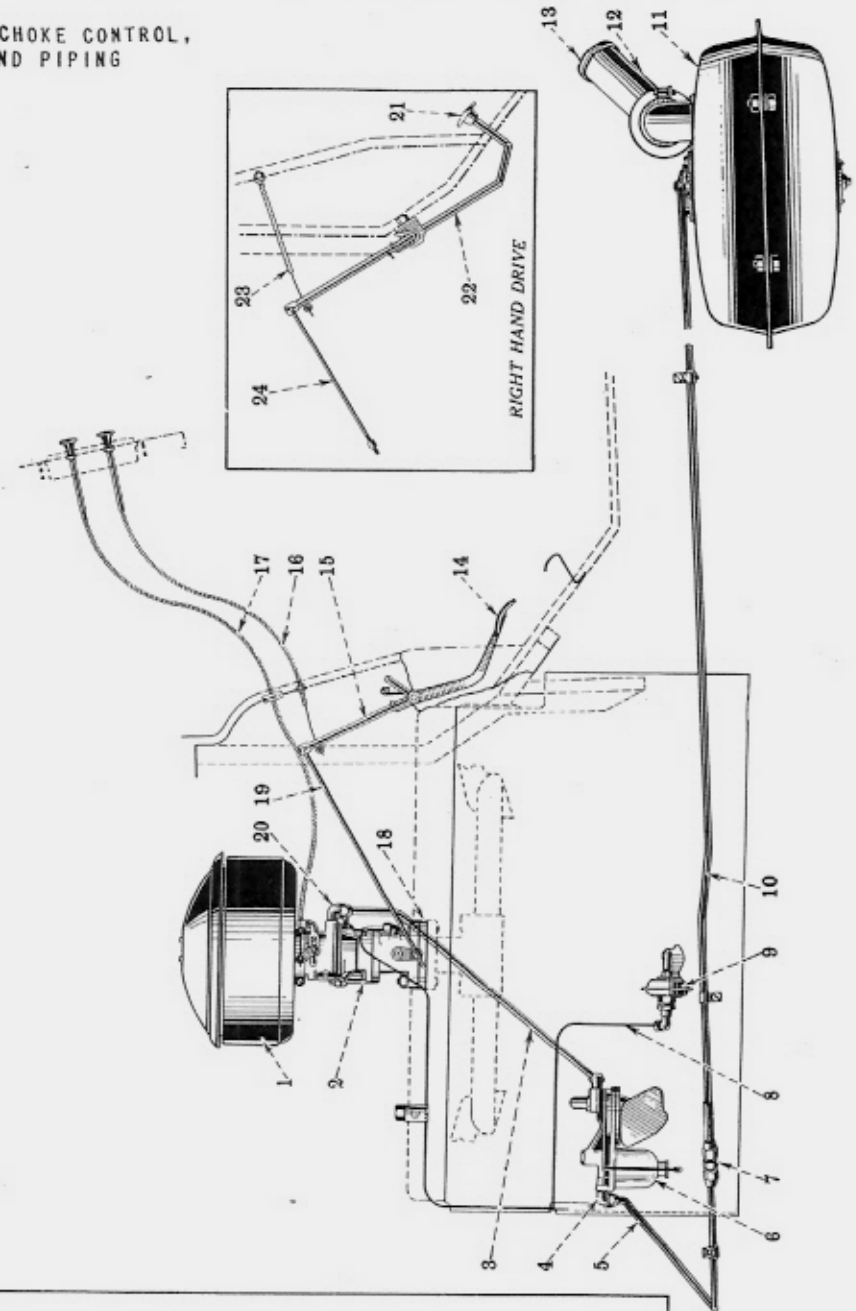
Ref. No.	I H C Part No.
1	65730 H
2	65783 HX
3	65632 H
4	65633 H
5	65634 H
6	65635 H
7	65636 H
9	65638 H
10	65902 H
11	67588 H
12	65857 H
13	{64221 H
14	{68178 H
15	66081 H
16	{64185 H
17	{65197 H
18	39143 H
19	64230 H
20	64225 HX
21	39143 H
22	50286 H
23	39143 H
24	50286 H
25	2978 YA
26	64227 HA
27	71609 H
28	24151 H
	65829 H

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

RADIATOR AND CONNECTIONS

I H C Part No.	Description
64221 H	Radiator core assembly (not large capacity) (standard for domestic trucks) (special as large capacity core for 3 X 4-1/8" engines).
68178 H	Radiator core assembly (large capacity) (standard for export trucks and special for domestic trucks) (not for 3 X 4-1/8" engine).
24151 H	Radiator mounting spring.
39143 H	Radiator outlet and inlet hose clamp.
50286 H	Radiator outlet tube hose.
50331 H	Radiator shell mounting bolt lockwasher.
50337 H	Radiator shell mounting bolt.
50338 H	Radiator shell mounting bolt nut.
50339 H	Radiator shell mounting bolt plain washer.
62090 H	Radiator name plate clip.
64185 H	Radiator filler cap with 65197 H gasket.
64225 HX	Radiator outlet tube with pipe plug.
64227 HA	Radiator support bracket.
64230 H	Radiator inlet hose.
65197 H	Radiator filler cap gasket.
65632 H	Radiator shell moulding, No. 1 (top).
65633 H	Radiator shell moulding, No. 2.
65634 H	Radiator shell moulding, No. 3.
65635 H	Radiator shell moulding, No. 4.
65636 H	Radiator shell moulding, No. 5.
65638 H	Radiator shell moulding, No. 6 (bottom).
65722 H	Radiator shell moulding fastener.
65730 H	Radiator top ornament (less name plate).
65783 HX	Radiator name plate with clip.
65788 H	Hood lacing.
65829 H	Radiator mounting bolt.
65857 H	Radiator core support complete with hood catch brackets and crank support.
65902 H	Radiator shell complete with moulding 66081 H.
66081 H	Radiator stay rod, right.
66082 H	Radiator stay rod, left.
66175 H	Radiator rear shield.
67458 H	Radiator core support brace.
71609 H	Radiator mounting pad.
2853 Y	Radiator name plate to clip lockwasher.
2978 YA	Radiator drain cock.

THROTTLE AND CHOKE CONTROL,
FUEL TANK AND PIPING



Ref. No.	I H C Part No.
1	{ 66209 H
2	{ Air Cleaner
3	{ 61620 H
4	{ Carburetor
5	{ 62652 H
6	{ 5630 TM
7	{ 2161 YB
8	{ Fuel Pump
9	{ 9109 H
10	{ 62654 H
11	{ 43527 HA
12	{ Distributor
13	{ Vacuum Con-
14	{ trol
15	{ 65501 H
16	{ 65502 H
17	{ 64574 HAX
18	{ 67092 HX
19	{ 67097 H
20	{ 62854 HA
21	{ 62853 HX
22	{ 62830 H
23	{ 62827 H
24	{ 66453 H
	{ 2159 YA
	{ 70541 H
	{ 5630 TM
	{ 52275 H
	{ 62974 HX
	{ 62929 H
	{ 62978 HX

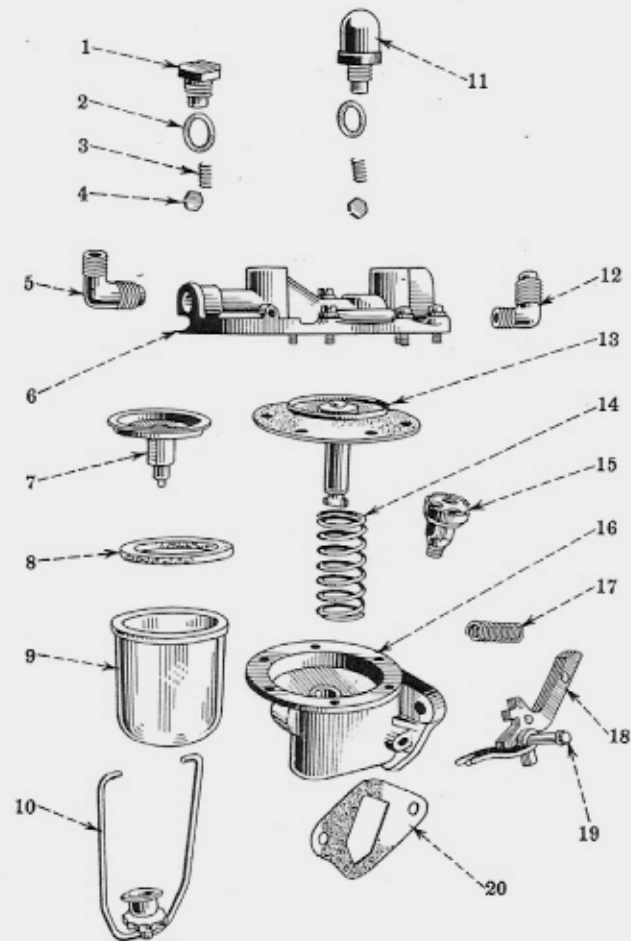
THROTTLE AND CHOKE CONTROL

I H C Part No.	Description
36942 H	Throttle control wire stop.
37639 H	Throttle control rod swivel (at carburetor) (Right Hand Drive).
42200 HB	Throttle control wire bracket (at dash).
62827 H	Choke control wire.
62829 H	Throttle control wire (Right Hand Drive).
62830 H	Throttle control wire (Left Hand Drive).
62978 HX	Throttle control rod with 37639 H swivel (Right Hand Drive) (not for trucks with governor or 3 x 4-1/8" engine).
70541 H	Throttle control rod (Left Hand Drive) (not for trucks with governor or 3 x 4-1/8" engine).
2110 Y	Choke control wire rubber bushing.

ACCELERATOR

I H C Part No.	Description
52275 H	{ Accelerator foot rest button (Right Hand Drive). Accelerator button (Right Hand Drive).
62853 HX	Accelerator cross shaft (Left Hand Drive).
62854 HA	Accelerator pedal (Left Hand Drive).
62855 H	Accelerator cross shaft spring (Left Hand Drive).
62974 HX	Accelerator cross shaft assembly (less button) (Right Hand Drive).
71637 H	Accelerator foot rest stud (Right Hand Drive).

FUEL PUMP (A-C) (3-1/8" Diam. Diaphragm)



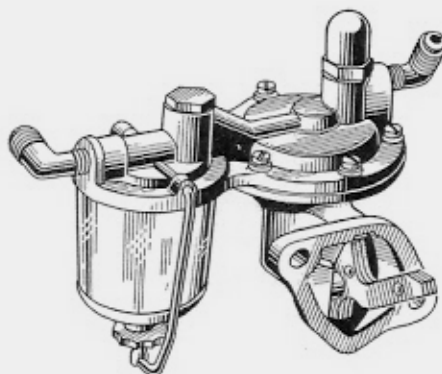
Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	23525 D	7	33438 D	14	26964 D
2	23526 D	8	51346 VA	15	39624 HA
3	26095 D	9	51344 VA	16	23554 D
4	23518 D	10	51348 VA	17	23547 D
5	5630 TM	11	23545 D	18	26966 D
6	23536 D	12	5630 TM	19	25481 D
		13	32141 D	20	2163 Y

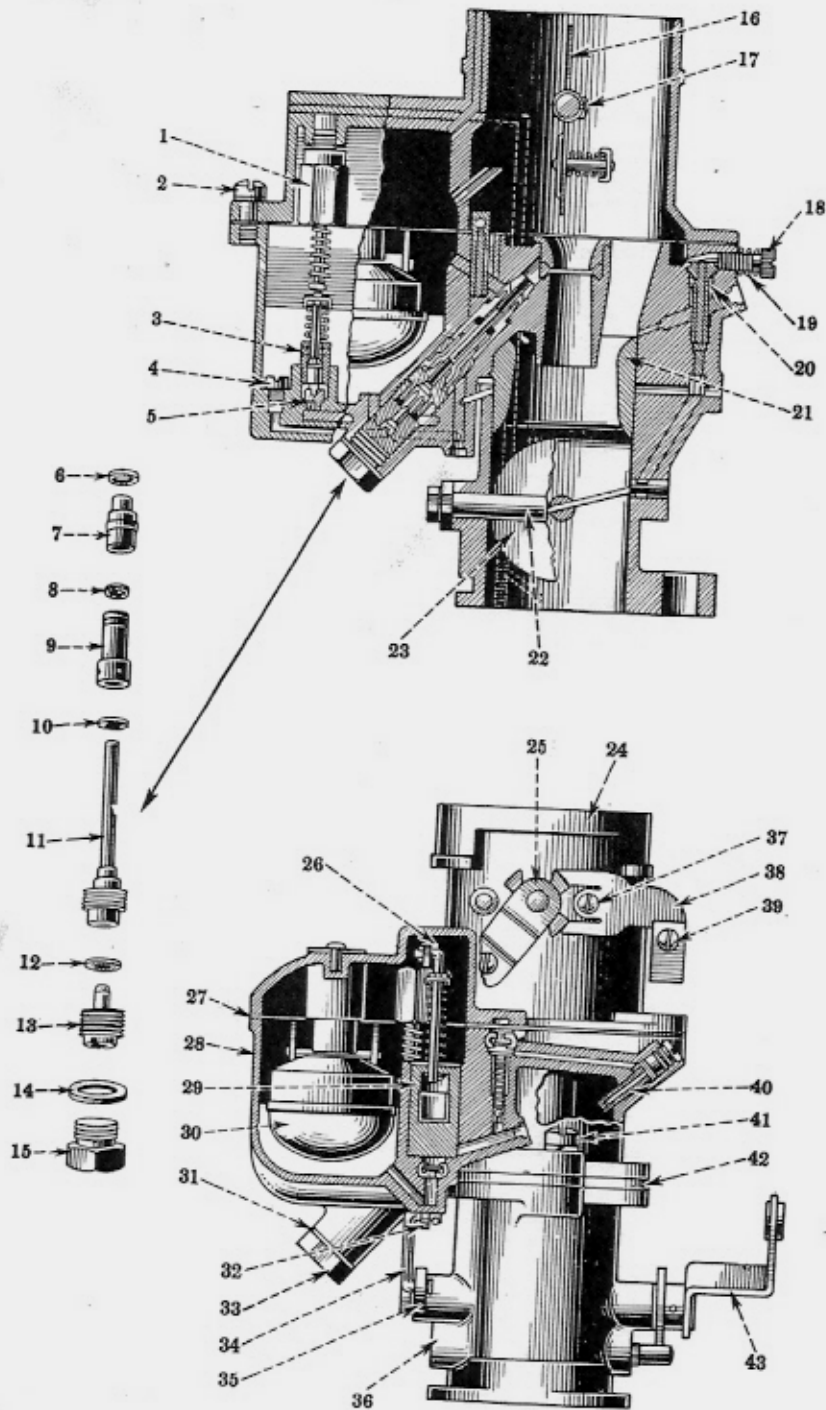
FUEL PUMP (A-C)

(3-1/8" Diameter Diaphragm)

I H C Part No.	Description
2161 YB	Fuel pump, complete.
23512 D	Rocker arm pin retaining ring.
23518 D	Inlet and outlet (fiber) valve.
23525 D	Inlet valve plug.
23526 D	Inlet and outlet valve plug gasket.
23536 D	Top cover with valve seats.
23545 D	Outlet valve plug with air dome.
23547 D	Rocker arm spring.
23554 D	Body.
25481 D	Rocker arm pin.
25482 D	Linkage.
26095 D	Inlet and outlet valve spring.
26964 D	Diaphragm spring.
26966 D	Rocker arm.
32141 D	Diaphragm and pull rod assembly.
33438 D	Fuel filter element.
39624 HA	Fuel pump breather and drain plug.
51344 VA	Fuel filter bowl.
51346 VA	Fuel filter bowl gasket.
51348 VA	Fuel filter bail assembly.
FUEL PUMP CONNECTIONS	
62470 H	Fuel pump shield.
5630 TM	Fuel pump elbow (for inlet and outlet pipe).
2163 Y	Fuel pump mounting gasket.



Carburetor (Zenith)
(Not for 3 X 4-1/8" Engine)



Ref. No.	I H C Part No.
1	35508 D
2	30573 D
3	36389 D
4	31140 D
5	36388 D
6	31847 D
7	35503 D
8	35269 D
9	35270 D
10	12431 D
11	36509 D
12	36508 D
13	35263 D
14	35527 D
15	35515 D
16	30577 D
17	30574 D
18	30593 D
19	30594 D
20	35267 D
21	35262 D
22	35831 D
23	35830 D
24	36507 DA
25	30579 D
26	35833 D
27	35841 DA
28	35827 DA
29	36615 D
30	35507 D
31	35527 D
32	35833 D
33	35515 D
34	35832 D
35	
36	38032 D
37	30572 D
38	30578 D
39	12434 D
40	35835 D
41	21207 D
42	35840 D
43	36548 D

CARBURETOR (ZENITH)

I H C Part No.	Description
61620 HA	Carburetor, complete (Zenith No. 23-AV-10) (not for trucks with "Leibing low speed governor).
73140 HA	Carburetor, complete (Zenith No. 23-AV-10) (for trucks with "Leibing" low speed governor).
12428 D	Throttle lever to shaft taper pin.
12430 D	Compensator jet washer.
12431 D	Cap jet base retainer washer.
12433 D	Fuel valve seat washer.
12434 D	Choke wire bracket clamp screw.
12459 D	Fuel bowl to throttle body screw lockwasher.
12795 D	Fuel bowl cover to fuel bowl screw lockwasher.
12958 D	Throttle lever stop screw.
13738 D	Throttle plate to shaft screw.
13754 D	Drain plug, 1/8".
21207 D	Fuel bowl to throttle body screw.
22866 D	Name plate.
23974 D	Vacuum by-pass screw (for trucks with governor).
24658 D	Choke wire swivel.
29888 D	Name plate pin.
30572 D	Choke wire bracket mounting screw.
30573 D	Fuel bowl cover to fuel bowl screw.
30574 D	Air shutter to shaft screw.
30575 D	Choke wire bracket clamp screw nut.
30577 D	Air shutter assembly.
30578 D	Choke wire bracket.
30579 D	Air shutter shaft assembly (with lever).
30580 D	Accelerating jet channel screw.
30588 D	Power jet washer.
30593 D	Idling adjusting screw.
30594 D	Idling adjusting screw spring.
30611 D	Accelerator pump lever nut.
30612 D	Accelerator pump lever nut lockwasher.
31140 D	Compensator, No. 20.
31847 D	Cap jet tip washer.
35262 D	Vacuum cylinder washer.
35263 D	Venturi, No. 26.
35263 D	Main jet, No. 15.
35267 D	Idling jet, No. 13.
35269 D	Cap jet calibration, No. 4D.
35270 D	Cap jet base, No. 1.
35503 D	Cap jet tip.
35506 D	Fuel valve and seat assembly, No. 35.
35507 D	Float assembly.
35508 D	Power jet vacuum cylinder assembly.
35514 D	Float axle.
35515 D	Lower plug (not used with main jet adjuster).
35527 D	Lower plug washer (also for main jet adjuster).
35827 DA	Fuel bowl assembly.
35830 D	Throttle plate.
35831 D	Throttle plate shaft.
35832 D	Accelerator pump lever assembly (with connecting link)(not for trucks with "Leibing" low speed governor).
35833 D	Accelerator pump rod assembly.
35835 D	Accelerating jet, No. 13.
35840 D	Fuel bowl to throttle body gasket.
35841 DA	Fuel bowl to fuel bowl cover gasket.
36388 D	Power jet, No. 17.
36389 D	Power jet valve, No. 13.
36473 D	Main jet adjuster, No. 11 (for high altitude cylinder head).
36507 DA	Fuel bowl cover assembly.
36508 D	Main jet washer.
36509 D	Cap jet base retainer.
36548 D	Throttle shaft lever assembly.
36615 D	Accelerating pump piston assembly.
36863 D	Main jet adjuster (for export trucks).
38032 D	Throttle body assembly.
73243 H	Accelerating pump lever assembly (with connecting link)(for trucks with "Leibing" low speed governor).

Not for
3x4-1/8"
Engine

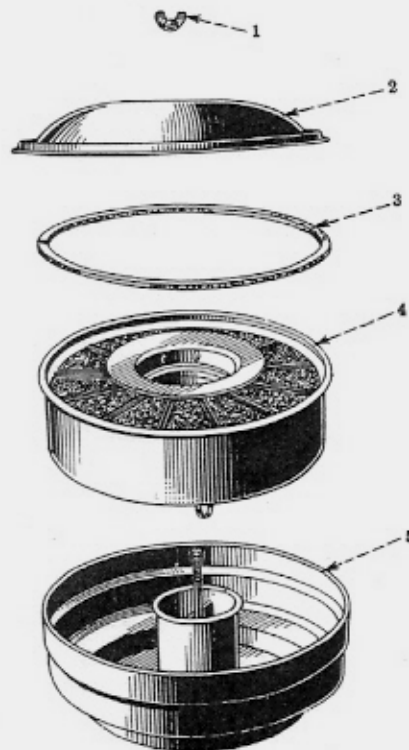
CARBURETOR CONNECTIONS

I H C Part No.	Description
62652 H	Fuel pipe - fuel pump to carburetor (not for trucks with governor).
66453 H	Carburetor mounting gasket.
5630 TM	Carburetor elbow (for fuel pipe).
1872 Y	Carburetor to manifold stud (not for trucks with governor).
2159 YA	Carburetor insulator (not for 3 x 4-1/8" engine).

AIR CLEANER (AC-OIL BATH TYPE) (Not for 3 X 4-1/8" Engine)

I H C Part No.	Description
66209 H	Air cleaner, complete.
Q 3504	Air cleaner top cover wing-nut.
46364 H	Air cleaner clamp.
62097 H	Air cleaner seal (under clamp).
69078 HX	Air cleaner top cover with gasket.
69080 H	Air cleaner top cover gasket.
69081 H	Air cleaner filter element assembly.
69088 H	Air cleaner filter element to tube gasket.
69089 HX	Air cleaner oil pan and tube assembly.

Ref. No.	I H C Part No.
1	Q-3504
2	67078 HX
3	69080 H
4	69081 H
5	69089 HX



FUEL TANK AND PIPING

I H C Part No.	Description
64574 HAX	Fuel tank complete with gauge, outlet and drain plug (less filler neck)
9109 H	Fuel pipe union (between tank to pump pipes).
18088 H	Fuel pipe clip.
37314 H	Fuel gauge terminal screw.
39205 H	Fuel tank filler neck hose clamp.
42685 HA	Fuel pipe clip.
48716 H	Fuel gauge terminal screw lockwasher.
63467 H	Fuel tank lower filler neck gasket.
63469 H	Fuel tank lower filler neck mounting screw washer.
63474 H	Fuel gauge tank unit gasket.
64571 H	Fuel tank outlet fitting.
64573 H	Fuel gauge tank unit.
64899 H	Fuel tank support bolt spring.
64900 H	Fuel tank anti-squeak.
65161 H	Fuel tank outlet fitting gasket.
65325 H	Fuel tank filler neck fender grommet.
65501 H	Fuel pipe - tank to union (113" W.B.).
65502 H	Fuel pipe - tank to union (125" W.B.).
65506 H	Fuel pipe - union to fuel pump inlet.
67092 HX	Fuel tank filler neck assembly, upper.
67094 HX	Fuel tank filler neck assembly, lower.
67095 H	Fuel tank filler neck hose.
67097 H	Fuel tank filler cap with gasket.
68423 H	Fuel tank ground strap.
74384 H	Fuel tank support bolt.
81060 V	Fuel tank filler cap gasket.

(See illustration on page 36)

IGNITION STARTING AND LIGHTING CONNECTIONS

(See page 8 for Wiring Diagram)

I H C Part No.	Description
Spark Plugs And Conduit	
37762 H	Spark plug gasket.
45466 H	Bracket for spark plug cables.
45467 H	Rubber bushing for spark plug cables.
46628 HA	Spark plug (AC-D 7).
Ignition Distributor	
*41612 HA	Distributor (Delco-Remy 622-R).
43521 H	Distributor vacuum control pipe elbow.
43522 H	Compression sleeve for 62654 H vacuum pipe.
43523 H	Nut for 62654 H vacuum pipe.
43525 H	Clip for 62654 H vacuum pipe (at cylinder head).
43526 H	Clip for 62654 H vacuum pipe (at engine support plate).
*43527 HA	Distributor vacuum control and support assembly (Delco-Remy 681-E) (not for 3 x 4-1/8" engine).
62654 H	Distributor control vacuum pipe.
1579 Y	Distributor gasket.
Generator	
57828 H	Generator mounting capscrew, rear (not for low speed cut-in or high output generator).
59400 H	Generator mounting capscrew, front (not for high output generator).
*60611 H	Generator (Delco-Remy 946-P) (standard).
60614 H	Generator mounting bracket (not for high output generator).
60615 H	Generator adjusting strap (not for high output generator).
60616 H	Generator to mounting bracket spacer (not for high output generator).
1895 Y	Generator and fan drive belt (not for high output generator).
Ignition Switch and Coil	
*13555 D	Ignition coil (Delco-Remy 528-C).
*50212 H	Ignition switch (Delco-Remy 429-V).
Starting Motor and Switch	
21209 H	Starting switch spacer.
*60827 H	Starting motor (Delco-Remy 739-H).
*64931 H	Starting switch (Delco-Remy 405-C).
Lighting and Dimmer Switch, Fuse	
21336 H	Lighting switch control rod nut lockwasher.
*36614 HA	Lighting switch (Delco-Remy 481-W).
37314 H	Lighting switch terminal screw (short).
37321 H	Terminal screw lockwasher.
37536 H	Lighting switch terminal screw (long).
63870 H	Dimmer switch mounting bracket.
64022 H	Dimmer switch terminal screw.
67237 H	Lighting switch control rod.
*67313 H	Dimmer switch (Delco-Remy 471-P).
10815 VA	Fuse (20 amp.) (on back of lighting switch).

* - NOTE: Order parts from an authorized United Motors Service Branch.

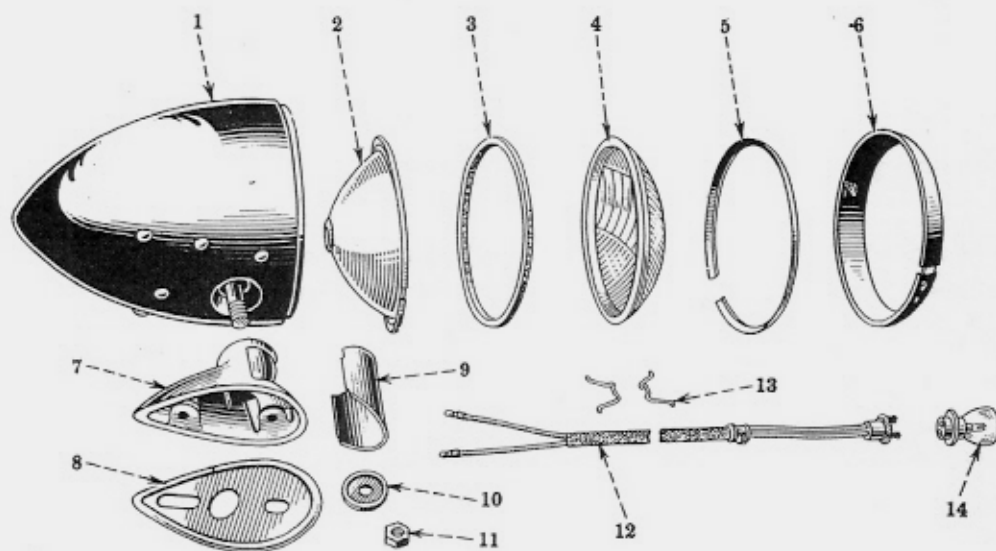
I H C Part No.	Description
IGNITION. STARTING AND LIGHTING CONNECTIONS - Continued	
INSTRUMENT LAMP AND SWITCH	
21336 H	Instrument lamp switch mounting nut lockwasher.
37314 H	Instrument lamp switch terminal screw.
66337 H	Instrument lamp bulb, 6-8 volt, single contact.
66568 HY	Instrument lamp socket with cable and spring.
67262 HX	Instrument lamp switch, less knob.
67263 H	Instrument lamp switch knob.
68105 H	Instrument lamp switch terminal screw lockwasher.
68106 H	Instrument lamp switch mounting nut.
68107 H	Instrument lamp switch lock nut.
STOP LAMP SWITCH	
41229 H	Stop lamp switch terminal screw lockwasher.
48164 H	Stop lamp switch.
BATTERY BOX	
61992 H	Battery clamp bolt.
62346 H	Battery support.
62347 H	Battery support strap.
HORN	
<i>(See page 79 for Horn button and connections)</i>	
27688 H	Nut for mounting horn to bracket.
*46970 H	Horn (Delco-Remy DR-K-16, 2002).
46971 H	Horn mounting bracket.
60923 H	Lockwasher for mounting horn to bracket.
JUNCTION BLOCKS AND CABLE CONNECTORS	
24790 D	Junction block mounting screw lockwasher.
46893 H	Horn cable connector. Head lamp cable connector, right.
63400 H	Junction block.
63404 H	Head lamp cable connector, left.
67403 H	Junction block mounting screw.
CABLES	
<i>(For Horn Cables, see page 79)</i>	
27594 HX	Cable - coil to distributor, high tension.
59898 H	Engine ground strap.
63523 HY	Cable - dimmer switch to left head lamp connector (Left Hand Drive).
63525 HY	Cable - dimmer switch to left head lamp connector (Right Hand Drive).
63526 HY	Cable - for head lamps (dimmer switch to junction block) (Left Hand Drive).
63530 HA	Cable - ignition switch to ammeter and lighting switch.
63533 H	Cable - ignition switch to coil and fuel gauge panel unit.

(Continued)

*NOTE: Order parts from an authorized United Motors Service Branch.

I H C Part No.	Description
IGNITION, STARTING AND LIGHTING CONNECTIONS - Continued CABLES - Continued	
63536 H	Cable - for oil pressure, fuel and temperature indicator panel units.
63537 HY	Cable - for head lamps (lighting switch to junction block).
63538 HY	Cable - for tail lamp (lighting switch to junction block).
63539 HY	Cable - horn to junction block.
63540 HY	Cable - steering gear to horn (Left Hand Drive).
63542 HY	Cable - junction block to junction block.
63543 HY	Cable - fuel gauge panel unit to junction block (Left Hand Drive).
63544 HY	Cable - temperature indicator panel unit to junction block.
63545 HY	Cable - ammeter to junction block (for horn).
63546 HY	Cable - steering gear to horn (Right Hand Drive).
63547 HY	Cable - oil pressure gauge engine unit to junction block.
63548 HY	Cable - fuel gauge tank unit to junction block (113" W.B.).
63549 HY	Cable - fuel gauge tank unit to junction block (125" W.B.).
63550 HY	Cable - temperature indicator engine unit to junction block.
63551 HX	Cable - stop lamp switch to junction block (Left Hand Drive).
63552 HX	Cable - stop lamp switch to junction block (Right Hand Drive).
63553 HX	Cable - tail lamp to junction block (113" W.B.) (Left Hand Drive).
63571 HY	Cable - tail lamp to junction block (113" W.B.) (Right Hand Drive).
63572 HY	Cable - stop lamp switch to stop lamp (113" W.B.),
63573 HY	Cable - Coil to distributor, low tension.
63614 HX	Cable - ammeter to starting switch (not for high output generator).
63615 HX	Cable - relay on generator to ammeter (Left Hand Drive) (not for high output generator).
63616 HX	Cable - stop lamp switch to stop lamp (125" W.B.).
64025 HY	Cable - tail lamp to junction block (125" W.B.) (Right Hand Drive).
66919 HY	Cable - tail lamp to junction block (125" W.B.) (Left Hand Drive).
66992 HY	Cable - oil pressure gauge panel unit to junction block.
68112 HY	Cable - dash ground to side rail.
69102 HY	Cable - for head lamps (right lamp to left lamp).
69346 HY	Cable - horn on lighting switch to junction block.
69646 HZ	Cable - battery to ground (for trucks with cab or body).
70519 HY	Cable - fuel gauge panel unit to junction block (Right Hand Drive).
71179 HY	Cable - battery to starter switch.
10792 VDX	Cable - relay on generator to ammeter (Right Hand Drive) (not for trucks with high output generator).
20930 VY	Cable - for head lamps (dimmer switch to junction block) (Right Hand Drive).
22803 VX	Cable - distributor to Nos. 2 and 5 spark plugs.
22821 VAY	Cable - for instrument lamp (switch to lighting switch).
22830 VX	Cable - distributor to Nos. 1 and 6 spark plugs.
	Cable - starting switch to starting motor.
	Cable - distributor to Nos. 3 and 4 spark plugs.

Head Lamps



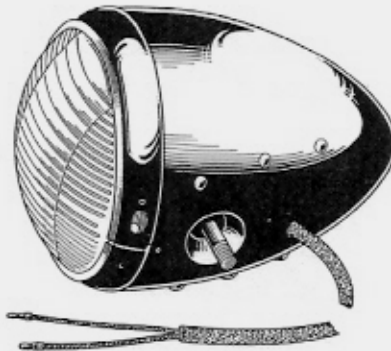
Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	{ 69006 HX 69007 HX	6	{ 69009 HX 69010 HAX	10	50334 H
2	69029 H	7	{ 65791 H 65792 H	11	18352 D
3	69017 HX	8	65796 H	12	69028 H
4	69015 H	9	65908 H	13	50539 H
5	69014 H			14	{ 66339 H 73097 H

Unnumbered parts in the illustration are the same as corresponding parts shown with numbers.

(See following page for list of parts).

HEAD LAMPS

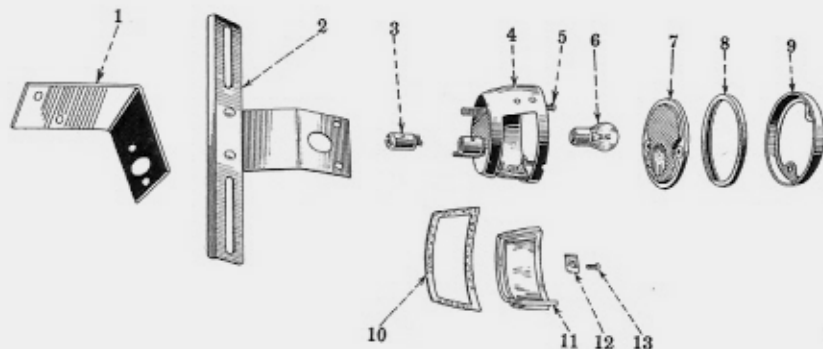
I H C Part No.	Description
65998 H	Head lamp, complete (black enameled) (Guide - TILTRAY).
67161 H	Head lamp, complete (chromium plated) (Guide - TILTRAY).
18352 D	Lamp mounting nut.
23878 H	Lamp reflector retaining screw.
50334 H	Lamp mounting washer.
50539 H	Lamp lens retaining spring.
65791 H	Lamp mounting bracket, right.
65792 H	Lamp mounting bracket, left.
65796 H	Lamp mounting bracket pad.
65908 H	Lamp mounting bracket cover plate.
65909 H	Lamp mounting bracket cover plate screw.
66339 H	Lamp bulb (6-8 volt, 32-21 C.P.) (also see 73097 H)
69006 HX	Lamp body assembled with all riveted parts (black enameled).
69007 HX	Lamp body assembled with all riveted parts (chromium plated).
69008 H	Lamp moulding clamp screw.
69009 HX	Lamp moulding with clamp lugs (less lens) (black enameled).
69010 HAX	Lamp moulding with clamp lugs (less lens) (chromium plated).
69011 H	Lamp lens locating clip.
69014 H	Lamp moulding rim ring.
69015 H	Lamp lens.
69016 H	Lamp wiring rubber bushing.
69017 HX	Lamp reflector seal washer.
69026 H	Lamp wiring loom.
69027 H	Lamp wiring loom clip.
69028 H	Lamp wiring assembly.
69029 H	Lamp reflector.
73097 H	Lamp bulb (6-8 volt, 21-6 C.P. (also see 66339 H).



COMBINATION STOP AND TAIL LAMP

(ONE-PIECE RED LENS)

I H C Part No.	Description
50004 H	Combination stop and tail lamp, complete (Guide).
18372 D	Lamp outlook glass retainer screw.
*24187 H	Lamp connection assembly (Delco-Remy - 823305).
37568 HA	Bulb (6-8 volt, 21-3 C.P.) (double filament).
41229 H	Stop lamp switch terminal screw lockwasher.
42372 HX	License plate bracket assembly.
48164 H	Stop lamp switch.
50495 HX	Lamp body assembly.
50500 H	Lamp lens retainer.
50500 HX	Lamp lens and retainer assembly.
50501 H	Lamp lens.(Red).
50502 H	Lamp lens seal gasket.
50503 H	Lamp outlook glass gasket.
50504 H	Lamp outlook glass.
50530 H	Lamp lens retaining screw.
67017 H	Lamp mounting bracket (Left Hand Drive)(not for trucks with panel or pick-up body).
67018 H	Lamp mounting bracket (Right Hand Drive).
71673 H	Lamp outlook glass retainer.



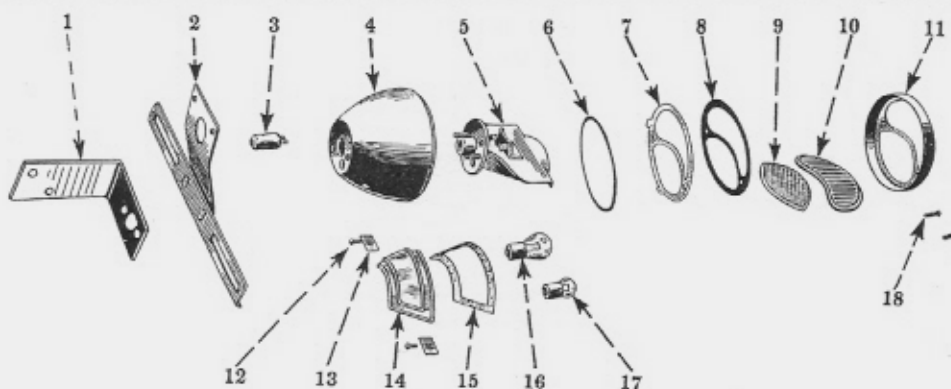
Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	{67017 H 67018 H	7	50501 H
2	42372 HX	8	50502 H
3	24187 H	9	50500 H
4	50495 HX	10	50503 H
5	50530 H	11	50504 H
6	37568 HA	12	71673 H
		13	18372 D

* Note: Order parts from an authorized United Motors Service Branch.

COMBINATION STOP AND TAIL LAMP

(Two-Piece Lens, Orange Stop Lamp)

I H C Part No.	Description
46410 H	Combination stop and tail lamp complete (Guide).
18368 D	Lamp outlook glass retainer.
7494 H	Tail lamp bulb (6-8 volt, 3 C.P.) (single filament).
*24187 H	Lamp connection assembly (Delco-Remy 823305).
25955 H	Stop lamp bulb (6-8 volt, 15 C.P.) (single filament).
41229 H	Stop lamp switch terminal screw lockwasher.
46407 H	License plate bracket assembly.
48002 H	Lamp body.
48003 H	Lamp lens retainer.
48003 HX	Lamp lens and retainer assembly.
48004 H	Lamp lens to plate gasket.
48005 H	Tail lamp lens (red).
48006 H	Stop lamp lens (orange).
48007 H	Lamp lens plate.
48008 H	Lamp lens plate to body gasket.
48009 HY	Lamp partition plate assembly.
48019 H	Lamp outlook glass gasket.
48020 H	Lamp outlook glass.
48021 H	Lamp lens retainer screw.
48022 H	Lamp partition plate screw.
48164 H	Stop lamp switch.
68628 H	Lamp mounting bracket (Right Hand Drive).
68629 H	Lamp mounting bracket (Left Hand Drive) (not for trucks with panel or pick-up body).
42265 V	Lamp outlook glass screw.



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	{ 68628 H 68629 H	7	48007 H	13	18368 D
2	46407 H	8	48004 H	14	48020 H
3	24187 H	9	48005 H	15	48019 H
4	48002 H	10	48006 H	16	25955 H
5	48009 HY	11	48003 H	17	7494 H
6	48008 H	12	42265 V	18	48021 H

* - Note: Order parts from an authorized United Motors Service Branch.

SPEEDOMETER AND CONNECTIONS

(Not for trucks with 4-speed transmission)

NOTE: Service and replacement orders for speedometers should be referred to an authorized Stewart-Warner Service Station.

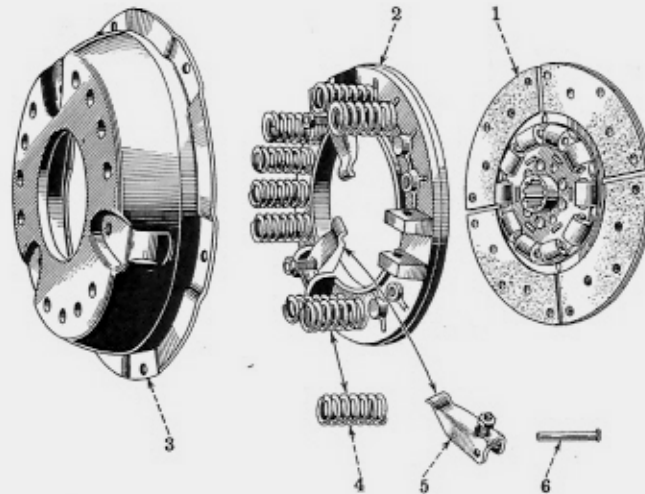
I H C Part No.	Mfr's. No.	Description
9121 H	.....	Speedometer cable clip (at tool box) (for trucks with panel body) (Right Hand Drive).
26905 H	.....	Speedometer driven gear bushing (in transmission).
37314 H	.....	Speedometer mounting screw.
48116 H	.....	Speedometer cable clip loom.
50083 H	74618	Speedometer drive gear (in transmission).
62141 HX	.....	Speedometer cable clamp (at steering gear) (Right Hand Drive).
63277 H	596 AV	Speedometer (miles per hour).
63278 H	596 AV	Speedometer (kilometers per hour).
63279 H	94350-72	Speedometer cable assembly (67245 H and 67247 H) (for trucks with panel body) (Right Hand Drive).
63285 H	93250	Speedometer drive sleeve (at transmission).
66985 H	94350-66	Speedometer cable assembly (67246 H and 67244 H) (not for trucks with panel body).
67244 H	G-64207-66 ³	Speedometer cable core (part of 66985 H).
67245 H	G-64207-72 ⁴	Speedometer cable core (part of 63279 H).
67246 H	G-94356-66	Speedometer cable conduit (part of 66985 H).
67247 H	G-94356-72	Speedometer cable conduit (part of 63279 H).
67328 H	.....	Speedometer cable clip (at tool box) (for trucks with panel body) (Left Hand Drive).
71198 H	.....	Speedometer cable rubber bushing.
74609 H	.....	Speedometer cable clip (at cylinder head) (not for trucks with panel body) (Left Hand Drive).
75366 H	.....	Speedometer cable clip loom (for trucks with panel body) (Left Hand Drive).
75430 H	78000-79	Speedometer cable assembly (75431 H and 75432 H) (for trucks with panel body) (Left Hand Drive).
75431 H	78047-79	Speedometer cable core (part of 75430 H).
75432 H	34179-79	Speedometer cable conduit (part of 75430 H).
75470 H	.....	Speedometer cable clip (at second cross member) (for trucks with panel body) (Left Hand Drive).
75471 H	.....	Speedometer cable clip (at cylinder head) (for trucks with panel body) (Left Hand Drive).
1977 Y	.....	Speedometer drive gear spacer (in transmission).

Driven Gears and Adapters

TIRE SIZE (3.72 to 1 AXLE RATIO)	DRIVEN GEARS		ADAPTER	
	I H C Part No.	Mfr's. No.	I H C Part No.	Mfr's. No.
5.50 x 19 (6 ply)	63281 H	94135	63358 H	666F-1.155
6.00 x 16 (4 ply)	63280 H	94134	None	None
6.00 x 16 (6 ply)	63282 H	94136	63358 H	666F-1.155
6.00 x 19 (6 ply)	63281 H	94135	63359 H	666F-1.2133
6.50 x 16 (6 ply)	63281 H	94135	63357 H	666F-1.1143
6.50 x 18 (6 ply)	63280 H	94134	63358 H	666F-1.155
7.00 x 15 (6 ply)	63281 H	94135	63357 H	666F-1.1143
7.50 x 15 (Jumbo)	63282 H	94136	63359 H	666F-1.2133

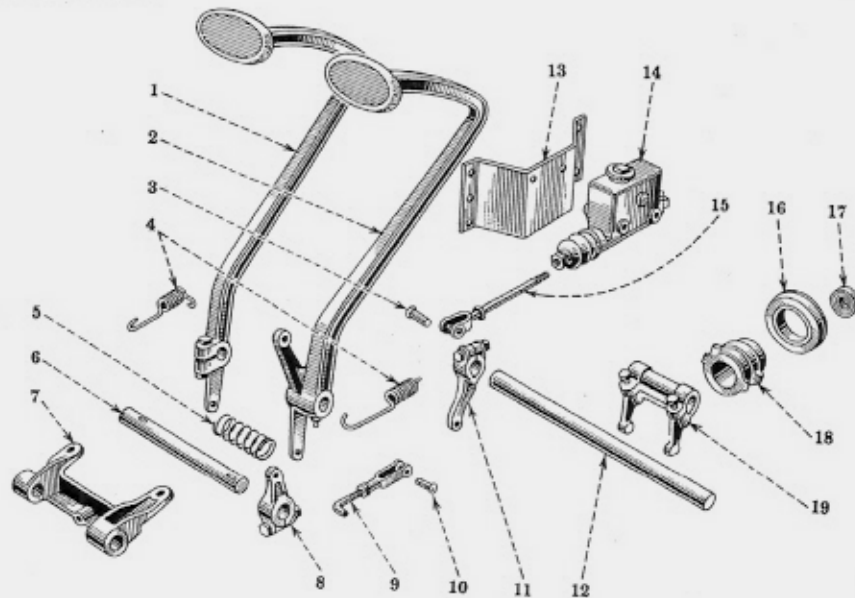
TIRE SIZE (4.18 to 1 AXLE RATIO)	DRIVEN GEARS		ADAPTER	
	I H C Part No.	Mfr's. No.	I H C Part No.	Mfr's. No.
5.50 x 19 (6 ply)	63280 H	94134	None	None
6.00 x 16 (4 ply)	63281 H	94135	None	None
6.00 x 16 (6 ply)	63281 H	94135	None	None
6.00 x 19 (6 ply)	63280 H	94134	None	None
6.50 x 16 (6 ply)	63281 H	94135	None	None
6.50 x 18 (6 ply)	63280 H	94134	63355 H	666F-1.04
7.00 x 15 (6 ply)	63281 H	94135	None	None
7.50 x 15 (Jumbo)	63280 H	94134	63354 H	666F-.9615

Clutch (IHC Model R-10)



Ref. No.	I H C Part No.
1	45459 HC
2	45458 H
3	45457 H
4	68289 H
5	43919 HBX
6	29774 HA

Clutch Control



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	62351 H	7	62360 HA	13	<input type="checkbox"/> 63150 H
2	* 62562 H	8	62353 H	14	<input type="checkbox"/> 48638 H
3	* 25575 H	9	62354 HX	15	* 62556 HX
4	62506 H	10	19306 D	16	58466 HA
5	22859 V	11	62358 H	17	46279 H
6	62352 H	12	62355 H	18	62357 H
				19	62635 H

Listed on page 69

* Listed on page 74

CLUTCH

(IHC Model R-10)

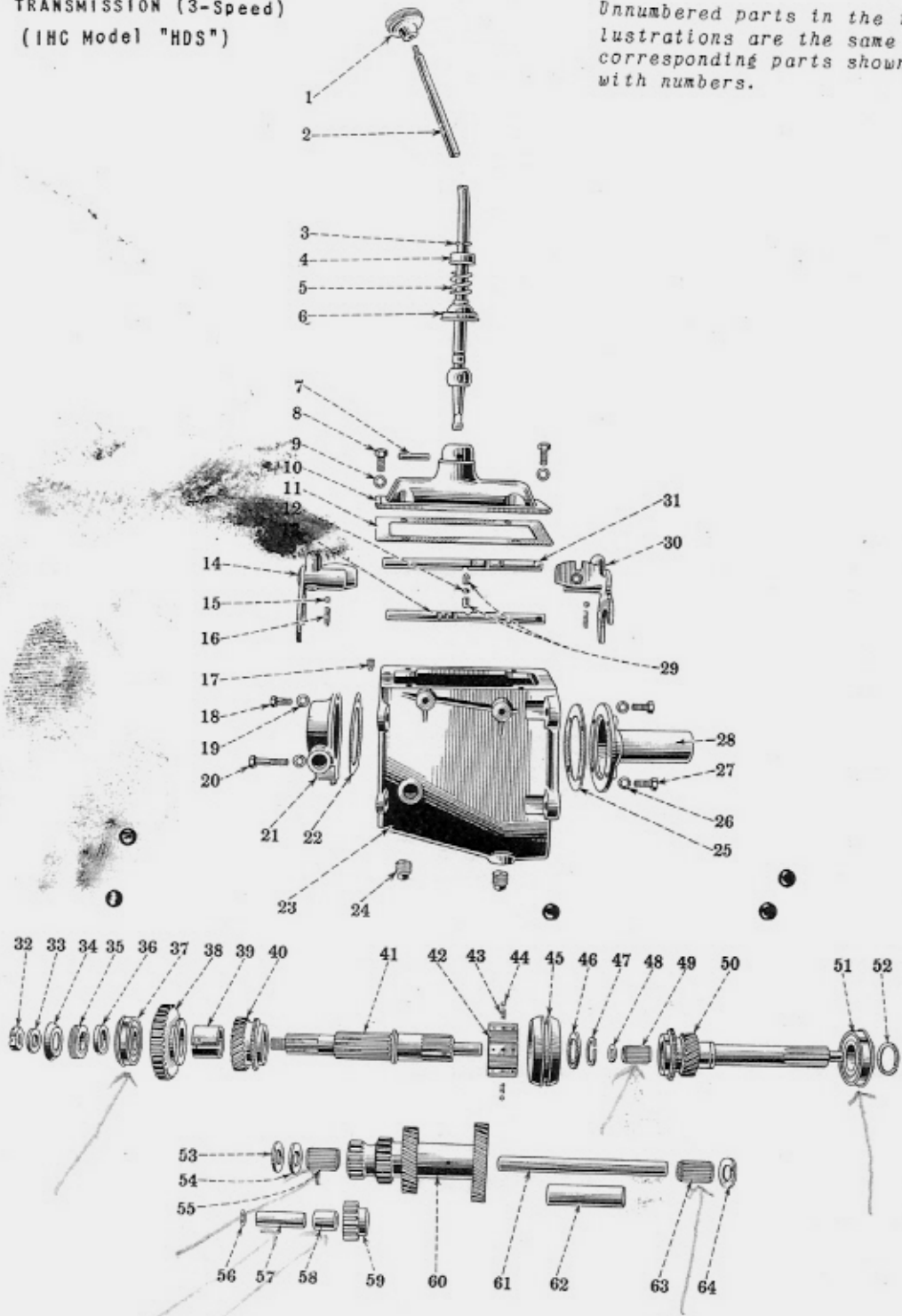
I H C Part No.	Description
43772 HE	Clutch, complete.
29774 HA	Clutch release lever pin.
43919 HBX	Clutch release lever with adjusting screw and spring.
45457 H	Clutch backing plate.
45457 HBX	Clutch pressure plate complete with backing plate and parts.
45458 H	Clutch pressure plate.
45459 HC	Clutch facing plate complete with facing and vibration damper.
45464 HA	Clutch friction facing (8 pieces).
65819 H	Clutch release lever adjusting screw.
65820 H	Clutch release lever adjusting screw block.
65821 H	Clutch release lever adjusting screw spring.
68289 H	Clutch pressure spring.
53795 V	Clutch facing rivet.
2049 Y	Clutch to flywheel mounting screw.

CLUTCH CONTROL

I H C Part No.	Description
Q 3617	Lubricator for clutch pedal shaft (left side) (Left Hand Drive).
Q 3615	{ Lubricator for clutch pedal shaft (not left side on Left Hand Drive). Lubricator for clutch release fork shaft.
13021 D	Clutch pedal shaft lever key. Clutch pedal key.
19305 D	Clutch release rod adjustable yoke.
19306 D	Clutch release rod pin.
46279 H	Clutch pilot ball bearing.
58466 HA	Clutch release ball bearing.
62351 H	Clutch pedal.
62352 H	Clutch pedal shaft (Left Hand Drive).
62353 H	Clutch pedal shaft lever.
62354 HX	Clutch release rod with adjustable yoke.
62355 H	Clutch release fork shaft (Left Hand Drive).
62357 H	Clutch release bearing sleeve.
62358 H	Clutch release fork shaft lever.
62360 HA	Clutch pedal shaft bracket (Left Hand Drive).
62485 H	Clutch release fork shaft (Right Hand Drive).
62486 H	Clutch pedal shaft (Right Hand Drive).
62488 HA	Clutch pedal shaft bracket (Right Hand Drive).
62506 H	Clutch pedal return spring.
62635 H	Clutch release fork.
7235 T	Clutch release fork and lever key.
22859 V	Clutch pedal shaft spring.
1151 Y	Clutch pedal pad.

TRANSMISSION (3-Speed)
(IHC Model "HDS")

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.



(See opposite page for IHC Part Nos.)

TRANSMISSION (3-Speed)
(IHC Model "HDS")

Index to Reference Nos. shown in illustration on opposite page.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	16780 H	23	51616 HA	44	8623 T
2	61880 HA	24	Oil filler and drain plug	45	51605 H
3	1984 Y	25	51618 H	46	51608 H
4	1983 Y	26	Washer	47	51619 H
5	1982 Y	27	Brg. retainer bolt	48	51621 H
6	1981 Y	28	61790 H	49	42016 HA
7	1979 Y	29	51632 H	50	61789 H
8	Control lever housing bolt.	30	51629 HX	51	42017 H
9	Washer	31	51627 H	52	1956 Y
10	51624 H	32	1106 Y	53	51609 H
11	51625 H	33	62177 V	54	51617 H
12	51638 H	34	1959 Y	55	29582 H
13	51628 H	35	50083 H	56	1973 Y
14	51633 HX	36	1977 Y	57	1945 Y
15	13765 V	37	42018 H	58	1944 Y
16	23074 H	38	51604 H	59	51610 HX
17	51637 H	39	60406 H	60	51612 H
18	Brg. retainer bolt	40	51606 HX	61	51615 H
19	Washer	41	51603 HX	62	51620 H
20	Retainer bolt	42	51613 HX	63	29582 H
21	66681 H	43	51636 H	64	51609 H
22	51635 H				

(See following page for description of parts)

TRANSMISSION (SYNCHRO-MESH)

(3-SPEED) (IHC Model HDS.)

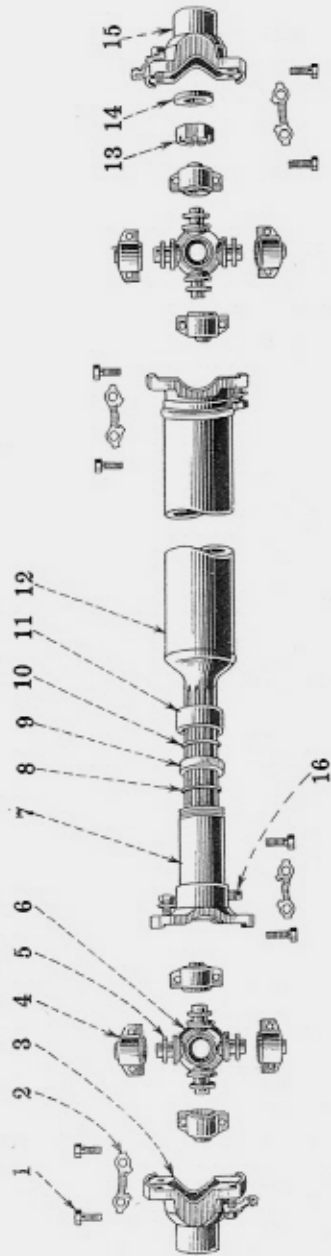
I H C Part No.	Description
61802 H	Transmission, complete
16780 H	Control lever ball.
23074 H	Shift fork poppet spring.
29582 H	Countershaft roller bearing.
42016 HA	Main shaft pilot roller bearing.
42017 H	Main drive gear ball bearing.
42018 H	Main shaft ball bearing.
50083 H	Speedometer drive gear.
51603 HX	Main shaft with adapter.
51604 H	Main shaft gear (low and reverse).
51605 H	Main shaft clutch sleeve.
51606 HX	Main shaft gear (second speed) with 60406 H bushing.
51608 H	Main shaft second speed gear thrust washer.
51609 H	Countershaft gear thrust washer (bronze).
51610 HX	Reverse idler gear with 1944 Y bushing.
51612 H	Countershaft gear.
51613 HX	Main shaft clutch with two rings.
51615 H	Countershaft.
51616 HA	Transmission case.
51617 H	Countershaft gear thrust washer (steel).
51618 H	Main drive gear bearing retainer gasket.
51619 H	Main shaft second speed gear lock ring.
51620 H	Countershaft bearing spacer.
51621 H	Main shaft pilot bearing spacer.
51624 H	Control lever housing.
51624 HBX	Control lever housing assembled with control lever.
51625 H	Control lever housing gasket.
51627 H	Shift rail (second and high).
51628 H	Shift rail (low and reverse).
51629 HX	Shift fork assembly (second and high).
51632 H	Shift fork interlock plunger.
51633 HX	Shift fork assembly (low and reverse).
51635 H	Main shaft bearing retainer gasket.
51636 H	Main shaft clutch poppet spring.
51637 H	Shift rail lock screw.
51638 H	Shift fork interlock plunger spacer.
60406 H	Main shaft second speed gear bushing.
61789 H	Main drive gear.
61790 H	Main drive gear bearing retainer.
61880 HA	Control lever.
66681 H	Main shaft bearing retainer with 1962 Y oil catcher and speedometer gear bushing.
8623 T	Main shaft clutch poppet ball.
13765 V	Shift fork poppet ball.
62177 V	Propeller shaft mounting nut washer.
1106 Y	Propeller shaft mounting nut.
1944 Y	Reverse idler gear bushing.
1945 Y	Reverse idler gear shaft.
1956 Y	Main drive gear bearing lock ring.
1959 Y	Main shaft oil thrower.
1962 Y	Main shaft bearing oil catcher.
1973 Y	Idler gear shaft snap ring.
1977 Y	Speedometer drive gear spacer.
1979 Y	Control lever pivot pin.
1981 Y	Control lever housing cap.
1982 Y	Control lever spring.
1983 Y	Control lever spring retainer.
1984 Y	Control lever spring retainer lock ring.

PROPELLER SHAFT

FRONT AXLE

REAR AXLE

PROPELLER SHAFT AND UNIVERSAL JOINTS



Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	38575 HA	5	38564 H	9	20054 V
2	38562 H	6	41249 HAX	10	41159 H
3	41248 H	7	41254 HX	11	41257 H
4	{ 52718 HX 52719 HX	8	41159 H	12	{ 61704 HX 61707 HX
				13	1106 Y
				14	62177 V
				15	41248 H
				16	1/8" pipe plug

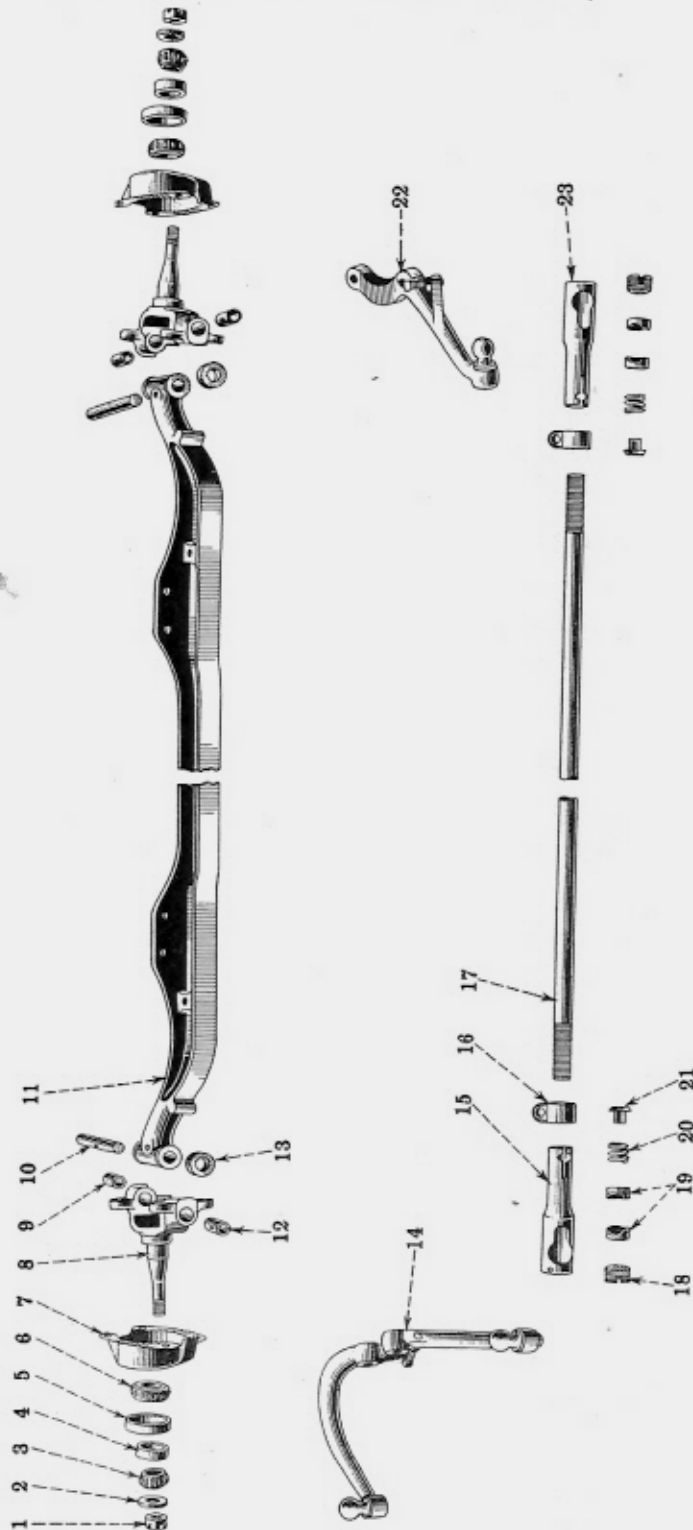
PROPELLER SHAFT AND UNIVERSAL JOINTS

(IHC Model MCH-3)

(Not for Trucks with Four-Speed Transmission)

I H C Part No.	Description
41248 H	Companion flange.
61702 H	Propeller shaft complete, less companion flanges (113" W.B.).
61703 H	Propeller shaft assembly, less front universal joint (113" W.B.).
61704 HX	Propeller tube assembly (113" W.B.).
61705 H	Propeller shaft complete, less companion flanges (125" W.B.).
61706 H	Propeller shaft assembly, less front universal joint (125" W.B.).
61707 HX	Propeller tube assembly (125" W.B.).
62177 V	Propeller shaft mounting nut washer.
1106 Y	Propeller shaft mounting nut.
UNIVERSAL JOINTS AND PARTS	
38562 H	Universal joint capscrew lock plate.
38564 H	Universal joint cross trunnion (cork) washer.
38575 HA	Universal joint capscrew.
41159 H	Universal joint slip yoke felt retainer washer.
41249 HAX	Universal joint cross with grease retainer.
41254 HX	Universal joint slip yoke with 41255 H dust plug.
41255 H	Universal joint slip yoke dust plug.
41257 H	Universal joint slip yoke felt retainer.
41584 HA	Universal joint assembly (transmission end).
52718 HX	Universal joint trunnion bearing assembled with rollers, washer retainer and 20059 VA pipe plug.
52719 HX	Universal joint trunnion bearing assembled with rollers and washer retainer (plain).
20054 V	Universal joint slip yoke felt.
20059 VA	Pipe plug for 52718 HX.

Front Axle and Tie Rod (IHC Model F-10)



Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

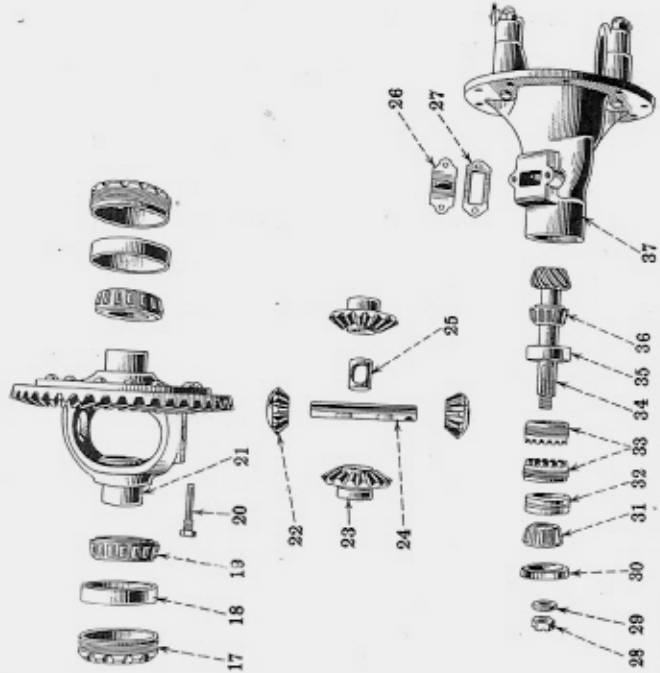
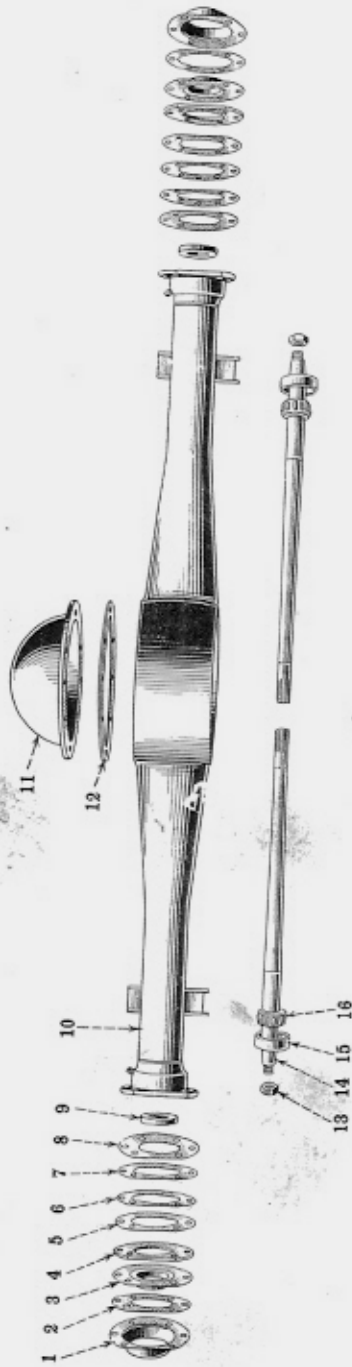
Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	1045 Y	7	61614 H	13	13343 VA	18	13350 V
2	1043 YA	8	61612 HX	14	61610 HX	19	1055 Y
3	13823 V	9	1044 Y	15	1061 Y	20	1057 YA
4	13824 V	10	1051 Y	16	1058 YX	21	1056 Y
5	13822 V	11	66971 H	17	1059 Y	22	61608 HX
6	1165 Y	12	1044 Y			23	1060 Y

FRONT AXLE AND TIE ROD

(IHC MODEL F-10)

I H C Part No.	Description
61618 H	Front axle, complete (Left Hand Drive).
61619 H	Front axle, complete (Right Hand Drive).
Q 3615	Steering knuckle lubricator (upper end).
Q 3617	Steering knuckle lubricator (lower end).
13090 D	Steering knuckle expansion plug.
47061 H	Steering knuckle king pin (.010" oversize).
61607 HX	Steering knuckle arm assembly, left (Right Hand Drive).
61608 HX	Steering knuckle arm assembly, right (Left Hand Drive).
61609 HX	Steering knuckle arm assembly, right (Right Hand Drive).
61610 HX	Steering knuckle arm assembly, left (Left Hand Drive).
61611 H	Steering knuckle arm ball.
61612 HX	Steering knuckle with two 1044 Y bushings.
61614 H	Front brake drum grease guard.
66971 H	Front axle I-beam.
13343 VA	Steering knuckle thrust bearing.
1043 YA	Front wheel bearing adjusting nut washer.
1044 Y	Steering knuckle bushing.
1045 Y	Front wheel bearing adjusting nut.
1051 Y	Steering knuckle king pin (standard).
1052 Y	Steering knuckle king pin lock pin.
Tie Rod	
Q 3615	Tie rod end lubricator.
13350 V	Tie rod end adjusting plug.
1055 Y	Tie rod end adjusting plug.
1056 Y	Tie rod end safety plug.
1057 YA	Tie rod end spring.
1058 YX	Tie rod end clamp with capscrew, nut and lockwasher.
1059 Y	Tie rod.
1059 YX	Tie rod with 1060 YX and 1061 YX end assemblies.
1060 Y	Tie rod end, right.
1060 YX	Tie rod end assembly, right.
1061 Y	Tie rod end, left.
1061 YX	Tie rod end assembly, left.
Front Wheel Bearings	
13822 V	Front wheel inner roller bearing cup.
13823 V	Front wheel outer roller bearing cone.
13824 V	Front wheel outer roller bearing cup.
13840 V	Front wheel outer roller bearing, complete.
1165 Y	Front wheel inner roller bearing cone.
1166 Y	Front wheel inner roller bearing, complete.

REAR AXLE AND DIFFERENTIAL



Ref. No.	I H C Part No.
1	52900 H
2	52903 H
3	52896 HX
4	52895 H
5	56286 H
6	52897 H
7	52898 H
8	52899 H
9	1072 YX
10	48635 HB
11	1076 YAX
12	1077 Y
13	1121 Y
14	1108 Y
15	6468 H
16	1109 Y
17	1087 YA
18	52839 V
19	52840 V
20	1095 Y

Ref. No.	I H C Part No.
21	1091 YA
22	42039 H
23	42038 H
24	1094 Y
25	1096 Y
26	1104 Y
27	1105 Y
28	1106 Y
29	62177 V
30	57272 H
31	1097 Y
32	30477 V
33	1103 Y
34	48603 H 58901 H 58902 H 1089 Y
35	30477 V
36	27546 A
37	1080 YAX

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

REAR AXLE AND DIFFERENTIAL

(I H C Model R-1000)

I H C Part No.	Description
66980 H	Rear axle, complete (4.18 to 1 ratio).
66981 H	Rear axle, complete (3.72 to 1 ratio).
AXLE SHAFTS AND HOUSING	
Q 3615	Axle shaft bearing lubricator.
2870 DA	Axle housing filler plug.
6468 H	Axle shaft roller bearing cup (See 1110 Y).
21336 H	Brake backing plate to housing capscrew lockwasher.
48635 HB	Axle housing.
52895 H	Brake backing plate reinforcement plate.
52896 HX	Axle shaft grease retainer assembly.
52897 H	Axle shaft bearing shim (.003" thick).
52898 H	Axle shaft bearing shim (.005" thick).
52899 H	Axle shaft bearing shim (.020" thick).
52900 H	Rear brake drum grease guard.
52903 H	Rear brake drum grease guard gasket.
56286 H	Axle shaft grease retainer gasket.
13957 V	Axle housing drain plug.
1072 YX	Axle housing oil seal assembly.
1076 YAX	Axle housing cover with 2870 DA filler plug.
1077 Y	Axle housing cover gasket.
1108 Y	Axle shaft.
1109 Y	Axle shaft roller bearing cone (See 1110 Y).
1110 Y	Axle shaft roller bearing complete (6468 H, 1109 H).
1112 Y	Axle shaft grease retainer felt.
1113 Y	Axle shaft grease retainer felt retainer.
1119 Y	Axle shaft key.
1120 Y	Axle shaft nut washer.
1121 Y	Axle shaft nut.
DRIVE GEAR, PINION AND DIFFERENTIAL	
M 22207	Pinion shaft inner roller bearing complete.
27546 A	Pinion shaft inner roller bearing cone.
42098 H	Differential side gear, 16 teeth.
42099 H	Differential cross pin pinion, 11 teeth.
43068 H	Bevel drive gear rivet (to differential case).
48602 H	Bevel drive gear, 41 teeth (3.72 to 1 ratio)(Export only).
48603 H	Bevel drive pinion, 11 teeth (3.72 to 1 ratio)(Export only).
58444 HA	Differential assembled in carrier complete (3.72 to 1 ratio).
58445 HA	Differential assembled with drive gear and pinion (3.72 to 1 ratio).
58901 H	Bevel drive gear and pinion (matched) (41-11 teeth) (3.72 to 1 ratio).
58902 H	Bevel drive gear and pinion (matched) (46-11 teeth)(4.18 to ratio).
30477 V	Pinion shaft inner and outer roller bearing cup.
52839 V	Differential roller bearing cup.
52840 V	Differential roller bearing cone.
52841 V	Differential roller bearing complete.
57272 H	Pinion shaft bearing oil seal.
62177 V	Propeller shaft mounting nut washer

I H C Part No.	Description
REAR AXLE AND DIFFERENTIAL (IHC Model R-1000) Drive Gear, Pinion and Differential - Continued	
1080 YAX	Differential carrier with bearing caps.
1081 YC	Differential assembled in carrier, complete (4.18 to 1 ratio).
1083 Y	Differential bearing adjuster lock.
1084 Y	Differential carrier bearing cap bolt.
1086 Y	Differential carrier to housing gasket.
1087 YA	Differential bearing adjuster.
1088 YC	Differential assembled with drive gear and pinion (4.18 to 1 ratio).
1089 Y	Bevel drive pinion, 11 teeth (4.18 to 1 ratio)(Export only).
1090 Y	Bevel drive gear, 46 teeth (4.18 to 1 ratio)(Export only).
1091 YA	Differential case.
1094 Y	Differential cross pin.
1095 Y	Differential cross pin retaining screw.
1096 Y	Differential center block.
1097 Y	Pinion shaft outer roller bearing cone.
1098 Y	Pinion shaft outer roller bearing complete.
1103 Y	Pinion shaft bearing adjuster.
1104 Y	Pinion shaft bearing adjusting hole cover.
1105 Y	Pinion shaft bearing adjusting hole cover gasket.
1106 Y	Propeller shaft mounting nut.

FRAMES, SIDE RAILS, CROSS MEMBERS, GUSSETS

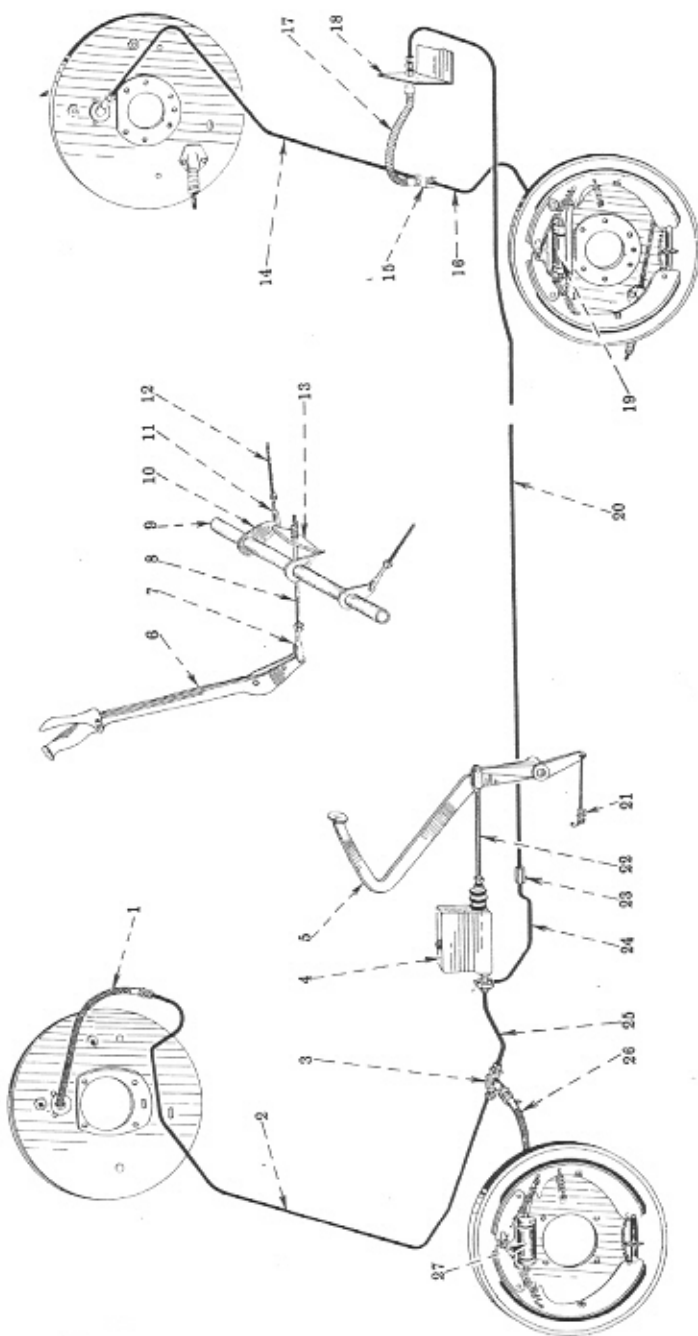
I H C Part No.	Description
62782 H	Frame assembly (113" W.B.).
62787 H	Frame assembly (125" W.B.).
62766 H	Fourth crossmember gusset, right.
62767 H	Fourth crossmember gusset, left.
62771 H	Third crossmember brace.
62772 H	Third crossmember.
62775 H	Fourth crossmember.
62777 H	Second crossmember gusset, left.
62778 H	Second crossmember gusset, right.
62779 H	Fifth and rear crossmember.
62780 H	Front crossmember.
62781 H	Second crossmember.
62783 H	Frame side rail, right (113" W.B.).
62784 H	Frame side rail, left (113" W.B.).
62785 H	Frame side rail, right (125" W.B.).
62786 H	Frame side rail, left (125" W.B.).

SHOCK ABSORBERS

I H C Part No.	Description
26120 H	Shock absorber spacer.
*50679 H	Rear shock absorber, right (1054542).
*50680 H	Rear shock absorber, left (1054543).
*50681 H	Front shock absorber link with eye-bolt (1063307).
50683 H	Rear shock absorber eye-bolt spacer.
*61691 H	Rear shock absorber with eye-bolt (5312072).
*61994 H	Front shock absorber, right (5307290).
*61995 H	Rear shock absorber, left (5307291).

*Order from an authorized United Motor Service Branch.

Hydraulic Brake Control



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	48150 HA	7	*	13	62510 H	19	53443 H
2	62592 H	8	*	14	48639 H	20	62584 H
3	48161 H	9	*	15	48156 H	21	62585 H
4	48638 H	10	*	16	48636 H	22	* 62506 H
5	* 62562 H	11	*	17	48150 HA	23	* 62556 HX
6	* 50580 HDX	12	*	18	62768 H	24	48090 H
							62590 H

* Listed on page 74.

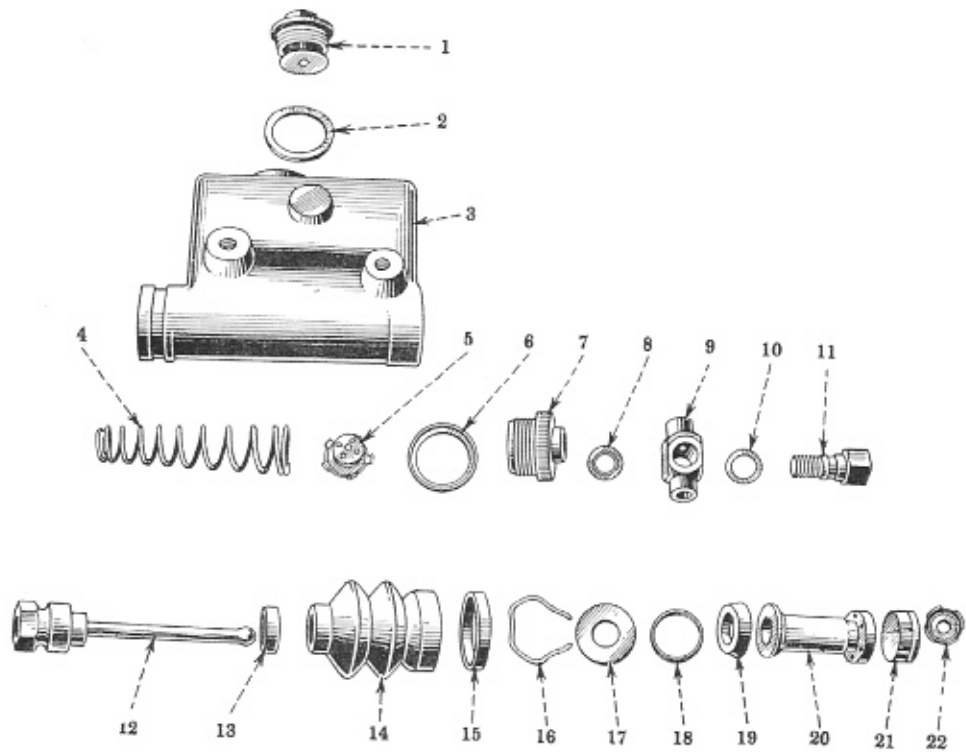
Listed on page 69.

HYDRAULIC BRAKES AND CONNECTIONS

NOTE: Parts showing Mfrs. No. should be ordered from Wagner Electric Corp., St. Louis, Mo., or Authorized Branches.

I H C Part No.	Mfr's. No.	Description
FLUID PIPES		
48636 H	.....	Fluid pipe - rear axle tee to left wheel cylinder.
48639 H	.....	Fluid pipe - rear axle tee to right wheel cylinder.
62584 H	.....	Fluid pipe - connector to rear brake hose frame bracket (113" W.B.).
62585 H	.....	Fluid pipe - connector to rear brake hose frame bracket (125" W.B.).
62587 H	.....	Fluid pipe - master cylinder to front brake hose.
62590 H	.....	Fluid pipe - master cylinder to connector (for rear brakes) (Left Hand Drive).
62591 H	.....	Fluid pipe - master cylinder to connector (for rear brakes) (Right Hand Drive).
62592 H	.....	Fluid pipe - left to right front brake hose (Left Hand Drive).
62593 H	.....	Fluid pipe - left to right front brake hose (Right Hand Drive).
HOSE		
48150 HA	FC-3700 A	Front and rear brake hose assembly.
PIPE FITTINGS, CLIPS, LOOMS, ETC.		
22307 H	.....	Lockwasher for front and rear brake hose.
48090 H	FC-4188	Connector between master cylinder to rear brake hose pipes.
48110 H	.....	Clip for fluid pipe connector 48090 H (at cross member).
48116 H	.....	Loom for rear brake hose to wheel cylinder pipe clip.
48123 H	FC-1243	{ Front brake hose to pipe fitting bolt gasket. { Front brake hose to wheel cylinder gasket.
48156 H	FC-3048 E	Tee for rear brake pipes (at hose).
48158 H	FC-2951	Rear brake hose union (at frame bracket).
48181 H	FC-4187	Left front brake hose to pipe fitting.
48183 H	FC-3050	Front brake hose to pipe fitting bolt.
48653 H	.....	Clip for rear brake hose to right wheel cylinder pipe (to axle housing cover).
62588 H	.....	Clip for left to right front brake hose pipe.
62589 H	.....	Clip for master cylinder to rear brake hose pipes.
62768 H	.....	Rear brake hose frame bracket.
63405 H	.....	Front and rear brake hose nut.
10787 V	.....	Clip for rear brake hose to wheel cylinder pipe (to axle housing).

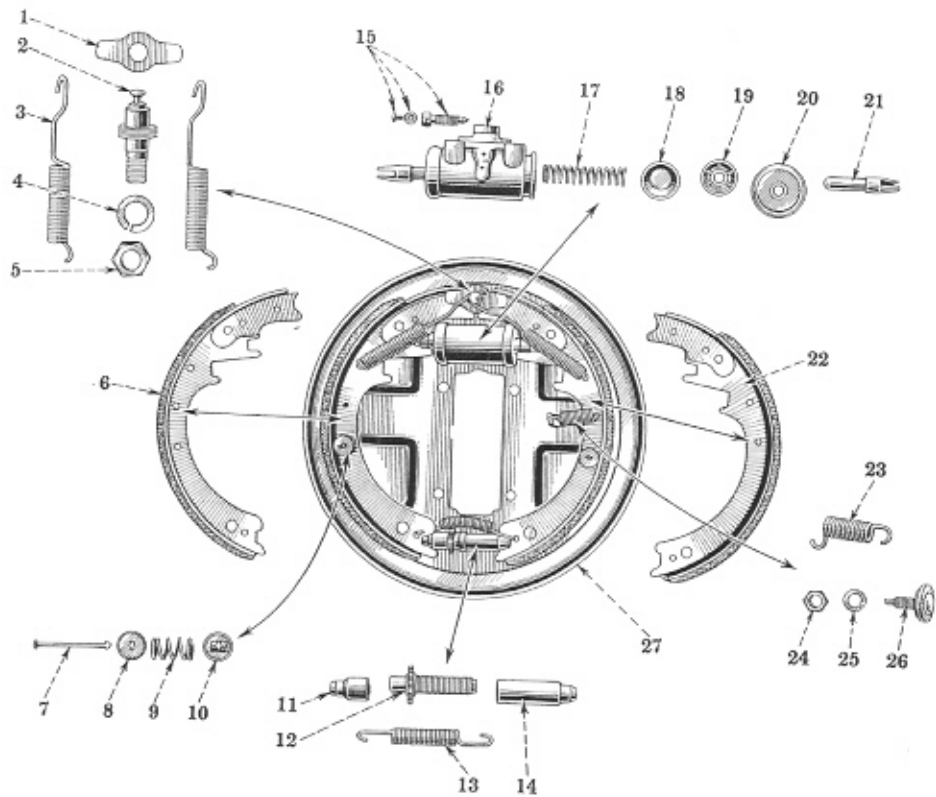
MASTER CYLINDER (Hydraulic Brakes)



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	52043 HX	12	52995 HAX
2	52045 H	13	52048 H
3	53452 HX	14	52997 H
4	53393 HX	15	51911 H
5	53384 HY	16	52999 H
6	53385 H	17	53382 H
7	53386 H	18	53391 H
8	48167 H	19	53392 H
9	68327 H	20	53389 HY
10	48166 H	21	53383 H
11	68326 H	22	53393 H

I H C Part No.	Mfr's. No.	Description
Hydraulic Brakes and Connections - Continued		
MASTER CYLINDER (1-1/8" Diameter)		
13806 D	.....	Cylinder body expansion plug.
49166 H	FC- 603	Outlet fitting bolt gasket.
48167 H	FC- 602	Outlet fitting gasket.
48638 H	.....	Cylinder assembly, less outlet fitting.
51911 H	FC-2981	Boot strap (large).
52043 HX	FC-4073	Filler cap assembly.
52045 H	FC-2037	Filler cap gasket.
52048 H	FC- 939	Boot strap (small).
52995 HAX	FC-2928	Push rod assembly.
52997 H	FC-2930	Boot.
52999 H	FC-3709	Piston stop washer snap ring.
53382 H	FC-3710	Piston stop washer.
53383 H	FD-2398	Piston cup.
53384 HY	FC-3578	Valve assembly.
53385 H	FC-3587	Cylinder head gasket.
53386 H	FC-3861	Cylinder head.
53389 HY	FC-3707	Piston with secondary cup 53392 H.
53391 H	FC-3713	Piston secondary cup ring.
53392 H	FD-2399	Piston secondary cup.
53393 H	FC-4378	Piston spring retainer.
53393 HX	FC-3572	Piston spring with 53393 H retainer.
53452 HX	FC-4088	Cylinder body with 13806 D expansion plug.
68326 H	FC-4333	Outlet fitting bolt.
68327 H	FC-5110	Outlet fitting.
MASTER CYLINDER MOUNTING PARTS		
63150 H	.....	Cylinder support bracket (Left Hand Drive).
63151 H	.....	Cylinder support bracket (Right Hand Drive).
<i>Note: Parts showing Mfr's. No. should be ordered from Wagner Electric Corp., St. Louis, Mo., or authorized Branches.</i>		

FRONT WHEEL BRAKES



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	66511 H	8	1033 Y	15	49819 H	22	59447 HA
2	66509 H	9	1031 YA	16	53443 H	23	66510 H
3	51651 H	10	1032 Y	17	59737 H	24	49666 H
4	Washer	11	59417 H	18	51905 H	25	Washer
5	49058 H	12	59390 H	19	51902 H	26	1017 YX
6	59389 HA	13	59396 H	20	49661 H	27	61615 HX
7	59397 H	14	59391 H	21	59394 H		61616 HX

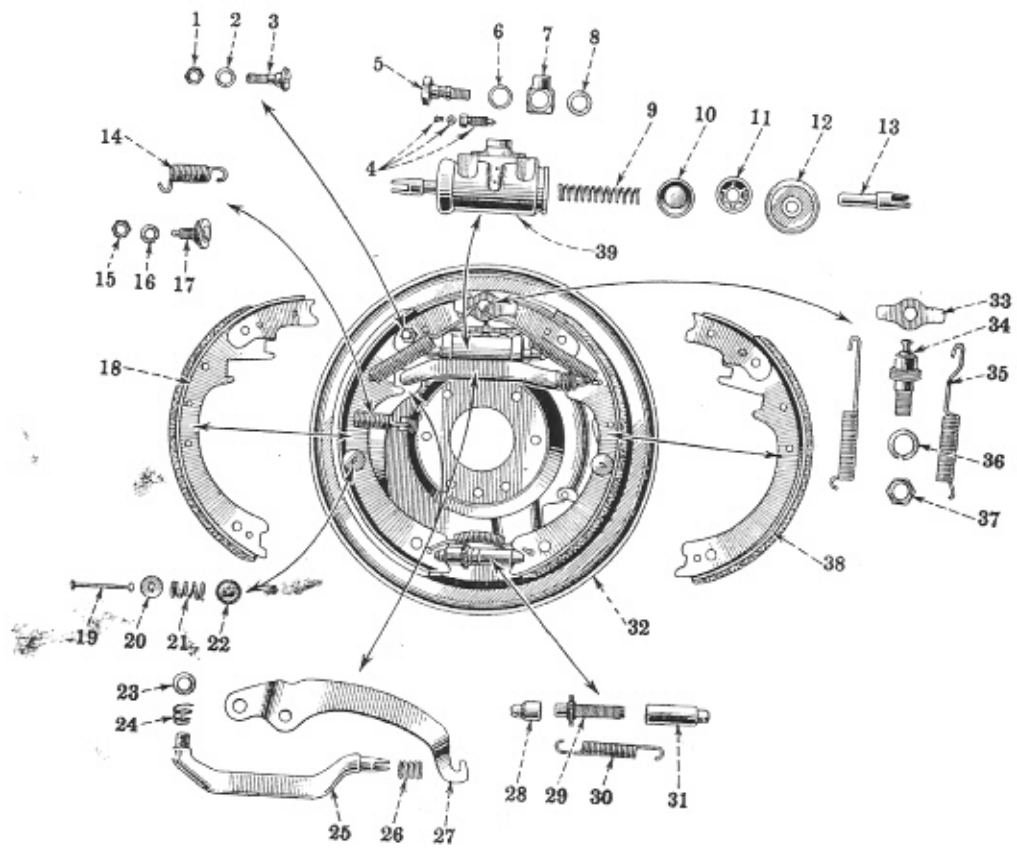
Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

I H C Part No.	Description
Hydraulic Brakes and Connections - Continued FRONT WHEEL BACKING PLATES, BRAKE SHOES AND PARTS	
22324 H	Shoe adjusting hole cover.
49058 H	Shoe anchor pin nut.
49666 H	Shoe eccentric nut.
51651 H	Shoe to anchor pin spring.
59389 HAX	Primary brake shoe with lining.
59390 H	Shoe adjusting screw.
59390 HX	Shoe adjusting screw with 59391 H pivot nut.
59391 H	Shoe adjusting screw pivot nut.
59394 H	Shoe to wheel cylinder connecting link.
59396 H	Shoe adjusting screw spring.
59397 H	Shoe hold-down pin.
59417 H	Shoe adjusting screw socket.
59447 HA	Secondary brake shoe with lining.
59447 HBX	Set of front brake shoes with lining (for one wheel).
61615 HX	Backing plate assembly, right.
61616 HX	Backing plate assembly, left.
66509 H	Shoe anchor pin.
66510 H	Secondary shoe return spring.
66511 H	Shoe guide plate.
1017 YX	Shoe eccentric.
1031 YA	Shoe hold-down spring.
1032 Y	Shoe hold-down spring cup, upper.
1033 Y	Shoe hold-down spring cup, lower.

I H C Part No.	Mfr's. No.	Description
FRONT WHEEL CYLINDER AND PARTS		
48819 H	FC-2933	Front wheel cylinder bleeder screw.
49661 H	FC-2937	Front wheel cylinder boot.
51902 H	FC-1498	Front wheel cylinder piston.
51905 H	FC-1499	Front wheel cylinder cup.
52201 HX	FD-3006	Front wheel cylinder assembly, 1" diameter.
53443 H	FC-2934	Front wheel cylinder body with bleeder screw.
59737 H	FC-3024	Front wheel cylinder piston spring.
.....	FC-2977	Bleeder wrench.
.....	FC-2978	Bleeder drain assembly.

Note: Parts showing Mfr's. No. should be ordered from Wagner Electric Corp., St. Louis, Mo., or Authorized Branches.

REAR WHEEL BRAKES



Front of Truck →

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	Nut	12	49661 H	23	59455 H	31	59391 H
2	Washer	13	59394 H	24	59449 H	32	{ 66520 HX
3	69424 H	14	66510 H	25	{ 59453 H	33	{ 66521 HX
4	49819 H	15	49666 H	26	59454 H		34	66511 H
5	48121 H	16	Washer	27	59448 H	35	66509 H
6	48122 H	17	1017 YX	28	{ 71148 H	36	51651 H
7	48168 H	18	59447 HA		29	71149 H	37	Washer
8	48123 H	19	59397 H	30	59417 H	38	49058 H
9	59737 H	20	1033 Y	31	59390 H	39	59389 HAX
10	51905 H	21	1031 YA		59396 H			53443 H
11	51902 H	22	1032 Y				

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

I H C Part No.	Description
Hydraulic Brakes and Connections - Continued REAR WHEEL BACKING PLATES, BRAKE SHOES AND PARTS	
22324 H	Shoe adjusting hole cover.
49058 H	Shoe anchor pin nut.
49666 H	Shoe eccentric nut.
51651 H	Shoe to anchor pin spring.
59389 HAX	Primary brake shoe with lining.
59390 H	Shoe adjusting screw.
59390 HX	Shoe adjusting screw with 59391 H pivot nut.
59391 H	Shoe adjusting screw pivot nut.
59394 H	Shoe to wheel cylinder connecting link.
59396 H	Shoe adjusting screw spring.
59397 H	Shoe hold-down pin.
59417 H	Shoe adjusting screw socket.
59447 RA	Secondary brake shoe with lining.
59447 HBX	Set of rear brake shoes with lining (for one wheel.
59448 H	Hand brake lever strut spring (to shoe).
59449 H	Hand brake lever strut spring (to lever).
59453 H	Hand brake lever strut, left.
59454 H	Hand brake lever strut, right.
59455 H	Hand brake lever strut washer.
66509 H	Shoe anchor pin.
66510 H	Secondary shoe return spring.
66511 H	Shoe guide plate.
66520 HX	Backing plate assembly, left.
66521 HX	Backing plate assembly, right.
69124 H	Hand brake lever (spring) washer.
69424 H	Hand brake lever to shoe bolt.
71148 H	Hand brake lever, left.
71149 H	Hand brake lever, right.
1017 YX	Shoe eccentric.
1031 YA	Shoe hold-down spring.
1032 Y	Shoe hold-down spring cup, upper.
1033 Y	Shoe hold-down spring cup, lower.

I H C Part No.	Mfr's. No.	Description
REAR WHEEL CYLINDER AND PARTS		
48121 H	FC-1241	Rear wheel cylinder inlet fitting screw.
48122 H	FC-1242	Rear wheel inlet fitting screw gasket.
48123 H	FC-1243	Rear wheel cylinder inlet fitting gasket.
48168 H	FC-2579	Rear wheel cylinder inlet fitting.
48819 H	FC-2933	Rear wheel cylinder bleeder screw.
49661 H	FC-2937	Rear wheel cylinder boot.
51902 H	FC-1498	Rear wheel cylinder piston.
51905 H	FC-1499	Rear wheel cylinder cup.
53443 H	FC-2934	Rear wheel cylinder body with bleeder screw.
59737 H	FC-3024	Rear wheel cylinder piston spring.
.....	FC-2977	Bleeder wrench
.....	FC-2978	Bleeder drain assembly.

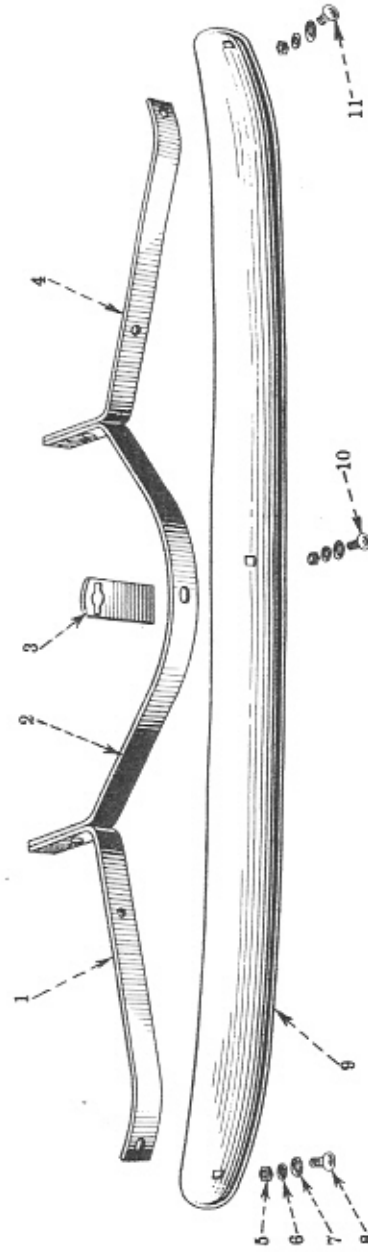
Note: - Parts showing Mfr's. No. should be ordered from
Wagner Electric Corp., St. Louis, Mo. or
Authorized Branches.

I H C Part No.	Description
BRAKE PEDAL AND CONNECTIONS	
Q 3615	Brake pedal lubricator.
25575 H	Brake pedal to rod pin.
62506 H	Brake pedal return spring.
62556 HX	Brake pedal to master cylinder rod.
62562 H	Brake pedal (Left Hand Drive).
62563 H	Brake pedal (Right Hand Drive).
1151 Y	Brake pedal pad.
HAND BRAKE CONTROL PARTS	
19305 D	Hand brake cable adjustable yoke.
19306 D	Hand brake cable yoke pin.
15048 H	Hand brake cross shaft spacer.
50577 HB	Hand brake lever ratchet.
50580 HDX	Hand brake lever, complete.
50784 H	Hand brake lever to ratchet capscrew.
58486 H	Hand brake cable bracket cap felt.
58487 H	Hand brake cable bracket cap.
59162 H	Hand brake cross shaft lever (for right side brake cable).
59555 H	Hand brake cable guide (not used with panel or pick-up body).
59783 H	Hand brake rod pin (at hand lever).
62507 H	Hand brake cross shaft bracket.
62508 H	Hand brake equalizer spring.
62509 H	Hand brake equalizer sleeve.
62510 H	Hand brake equalizer.
62511 H	Hand brake cable return spring.
62512 HX	Hand brake rod with yoke (not for trucks with four-speed trans-
62513 H	Hand brake cable assembly (113" W.B.).
62514 H	Hand brake cable assembly (125" W.B.).
63120 HX	Hand brake cross shaft with two levers.
64083 H	Hand brake cable support spring clip (at backing plate).
64084 H	Hand brake cable support spring.
64917 H	Hand brake lever to ratchet capscrew nut.
64972 H	Hand brake lever latch rod latch.
66699 H	Hand brake lever latch rod with latch.
1145 Y	Hand brake cable support spring clip (at cable).

(For Brake Drums, Wheel Hubs, Grease Guards, etc., see page 77).

FRONT BUMPER

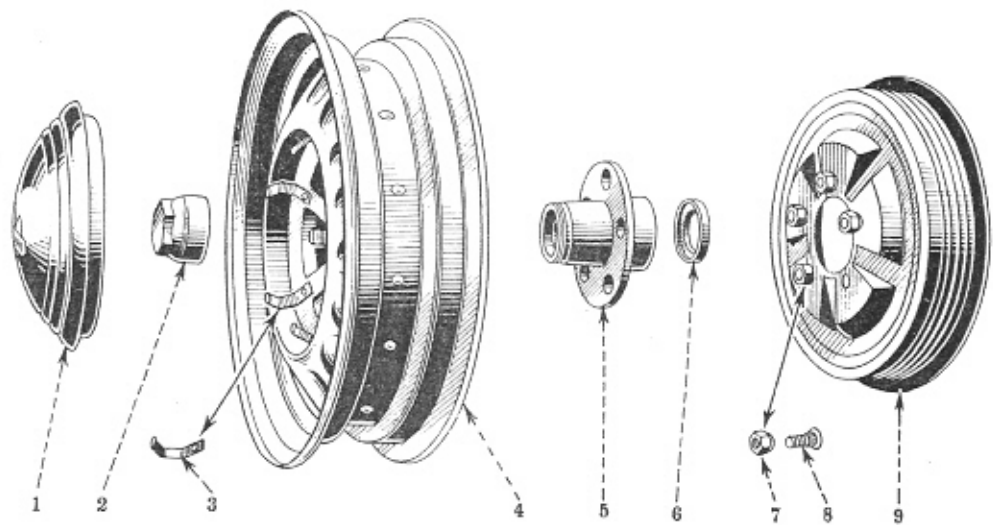
I H C Part No.	Description	I H C Part No.	Description
44673 H	Bumper bar bolt nut.	68513 H	Starting crank bracket (on bumper).
44675 H	Bumper bar bolt lockwasher.	68514 H	Bumper back bar, right end.
50627 H	Bumper bar end bolt.	68515 H	Bumper back bar, left end.
52918 H	Bumper bar bolt plain washer.	68516 H	Bumper back bar, center.
62791 H	Bumper assembly.	68517 H	Bumper front bar.
66316 H	Bumper bar grommet.		
68512 H	Bumper bar center bolt.		



Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	I H C Part No.	
1	68514 H	5	44673 H	9	68517 H
2	68516 H	6	44675 H	10	68512 H
3	68513 H	7	52918 H	11	50627 H
4	68515 H	8	50627 H		

FRONT AND REAR WHEELS



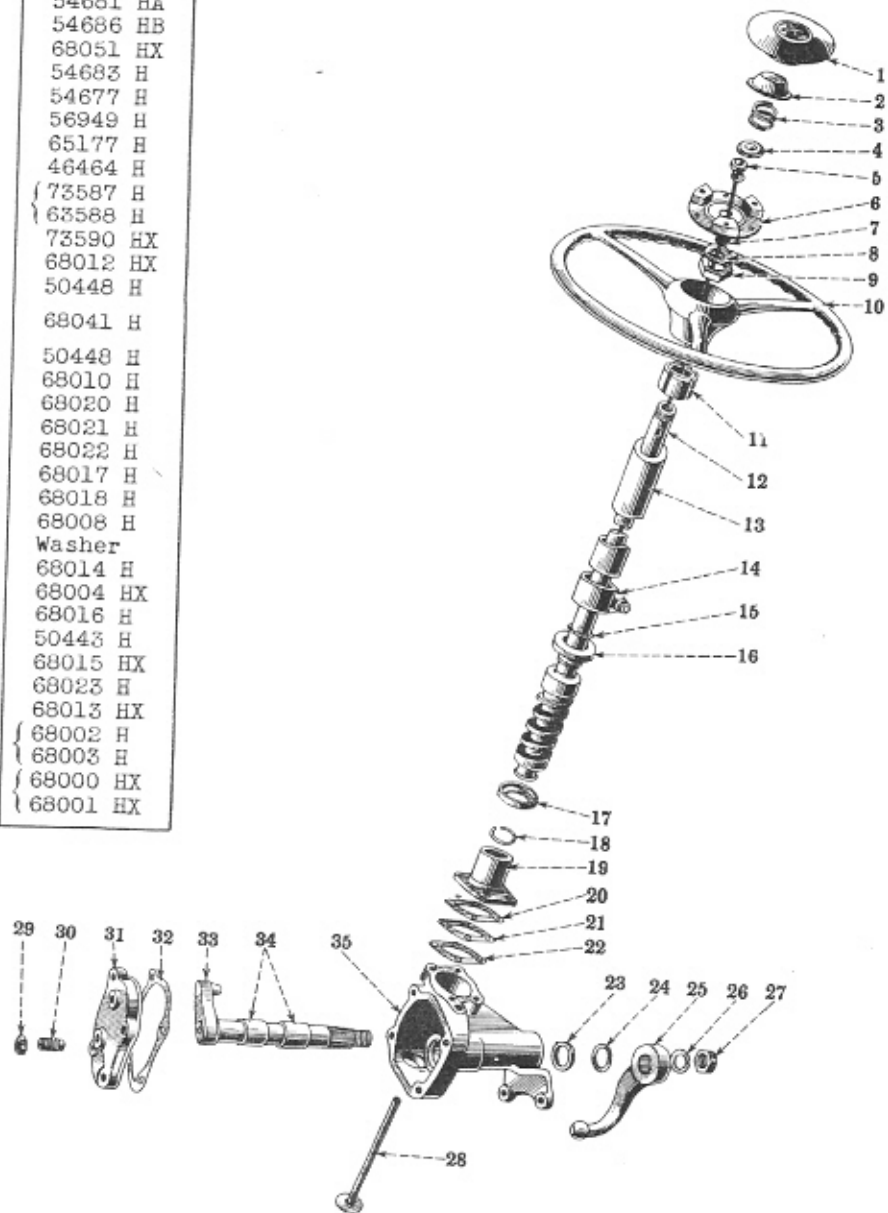
Ref. No.	I H C Part No.
1	54382 HA
2	58636 H
3	56865 H
4	{ 69947 H
	{ 66948 H
	{ 66959 H
	{ 70734 H
	{ 70735 H
5	{ 69951 H
	{ 69954 H
6	2071 Y
7	2066 Y
8	{ 69955 H
	{ 69956 H
9	56679 H

FRONT AND REAR WHEELS BRAKE DRUMS, HUBS AND CAPS

I H C Part No.	Description
66947 H	Front and rear wheel assembly, less hub and brake drum (pressed steel type - prime coated spokes and rim) (for 7.00 x 15 tires).
66948 H	Front and rear wheel assembly, less hub and brake drum (pressed steel type - prime coated spokes and rim) (for 7.50 x 15 types).
69959 H	Front and rear wheel assembly, less hub and brake drum (pressed steel type - prime coated spokes and rim) (for 6.00 x 16 and 6.50 x 16 tires).
70734 H	Front and rear wheel assembly, less hub and brake drum. (wire spoke type) (for 5.50 x 19 and 6.00 x 19 tires).
70735 H	Front and rear wheel assembly, less hub and brake drum (wire spoke type) (for 6.50 x 18 tires).
27569 H	Balance weight (5.34 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
42038 H	Balance weight (.84 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
42039 H	Balance weight (1.84 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
42040 H	Balance weight (2.84 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
42041 H	Balance weight (3.84 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
42049 H	Balance weight (.16 oz.) (for 7.00 x 15 and 7.50 x 15 tires).
69949 H	Front wheel hub with brake drum, right.
69950 H	Front wheel hub with brake drum, left.
69951 H	Front wheel hub.
69952 H	Rear wheel hub with brake drum, right.
69953 H	Rear wheel hub with brake drum, left.
69954 H	Rear wheel hub.
56679 H	Front and rear brake drum.
69955 H	Front and rear wheel bolt, right.
69956 H	Front and rear wheel bolt, left.
69957 H	Front and rear wheel bolt nut, right.
69958 H	Front and rear wheel bolt nut, left.
54382 HA	Front and rear wheel hub cap (for pressed steel type wheels).
56865 H	Front and rear wheel hub cap retaining clip (for pressed steel type wheels).
2076 Y	Front and rear wheel hub cap (for wire spoke type wheels).
52900 H	Rear brake drum grease guard.
52903 H	Rear brake drum grease guard gasket.
58636 H	Front wheel hub grease cap.
61614 H	Front brake drum grease guard.
2070 Y	Rear wheel hub oil slinger.
2071 Y	Front wheel grease retainer assembly.

STEERING GEAR

Ref. No.	I H C Part No.
1	66921 H
2	68025 H
3	54679 H
4	54681 HA
5	54686 HB
6	68051 HX
7	54683 H
8	54677 H
9	56949 H
10	65177 H
11	46464 H
12	{ 73587 H
	{ 63588 H
13	73590 HX
14	68012 HX
15	50448 H
16	{
17	68041 H
18	50448 H
19	68010 H
20	68020 H
21	68021 H
22	68022 H
23	68017 H
24	68018 H
25	68008 H
26	Washer
27	68014 H
28	68004 HX
29	68016 H
30	50443 H
31	68015 HX
32	68023 H
33	68013 HX
34	{ 68002 H
	{ 68003 H
35	{ 68000 HX
	{ 68001 HX



STEERING GEAR AND DRAG LINK

I H C Part No.	Description
61907 HA	Steering gear assembly (Left Hand Drive).
61908 HA	Steering gear assembly (Right Hand Drive).
Q 3615	Steering gear case lubricator.
37564 H	Steering side cover capscrew (copper) washer.
46038 H	Steering column bracket bushing.
46464 H	Steering column tube bushing.
50443 H	Steering cam lever adjusting screw.
50448 H	Steering cam bearing ball retainer ring.
56949 H	Steering wheel nut.
62770 H	Steering gear frame reinforcing bracket.
63769 H	Steering column bracket (at instrument panel).
63770 H	Steering column bracket cap.
65177 H	Steering wheel.
68000 HX	Steering gear case with 68002 H and 68003 H bushings and end cover with tube (Left Hand Drive).
68001 HX	Steering gear case with 68002 H and 68003 H bushings and end cover with tube (Right Hand Drive).
68002 H	Steering cam lever shaft bushing, inner.
68003 H	Steering cam lever shaft bushing, outer.
68004 HX	Steering gear case end cover with tube.
68008 H	Steering gear arm.
68010 H	Steering gear case upper cover.
68012 HX	Steering column tube clamp with capscrew, nut and lockwasher.
68013 HX	Steering cam lever shaft with 68014 H nut and lockwasher.
68014 H	Steering cam lever shaft nut.
68015 HX	Steering gear case side cover with 50443 H adjusting screw and check nut.
68016 H	Steering cam lever adjusting screw check nut.
68017 H	Steering gear case (cork) washer.
68018 H	Steering gear case (steel) washer.
68020 H	Steering gear case upper cover shim (.003" thick).
68021 H	Steering gear case upper cover shim (.010" thick).
68022 H	Steering gear case upper cover shim (.030" thick).
68023 H	Steering gear side cover gasket.
68041 H	Steering cam bearing ball race.
73587 H	Steering gear tube with cam and 56949 H nut (Left Hand Drive).
73588 H	Steering gear tube with cam and 56949 H nut (Right Hand Drive).
73590 HX	Steering column tube with 46464 H bushing.
11115 V	Steering cam bearing ball.
50868 V	Steering wheel key.
<p>HORN BUTTON AND CONNECTIONS (See page 45 for Horn)</p>	
46893 H	Horn cable connector.
54677 H	Horn cable spring cup washer.
54679 H	Horn button spring.
54681 HA	Horn cable contact cap.
54683 H	Horn cable spring.
54686 HB	Horn cable assembly.
59299 H	Horn cable terminal.
65297 H	Horn button emblem.
66921 H	Horn button with emblem.
68025 H	Horn cable contact cup.
68051 HX	Horn button base plate assembly.
73540 H	Horn cable insulating ferrule.
73541 H	Horn cable insulating ferrule washer.

I H C Part No.	Description
STEERING GEAR AND DRAG LINK - Continued	
DRAG LINK	
Q 3615	Drag link lubricator.
61905 HX	Drag link, complete (Left Hand Drive).
61906 HX	Drag link, complete (Right Hand Drive).
13350 V	Drag link adjusting plug (rear end).
1057 YA	Drag link spring.
1333 Y	Drag link spring seat (front end).
1335 Y	Drag link ball seat (inner for front end and outer for rear end).
1336 YA	Drag link adjusting plug (front end).
1337 Y	Drag link ball seat, inner (rear end).



DRAG LINK

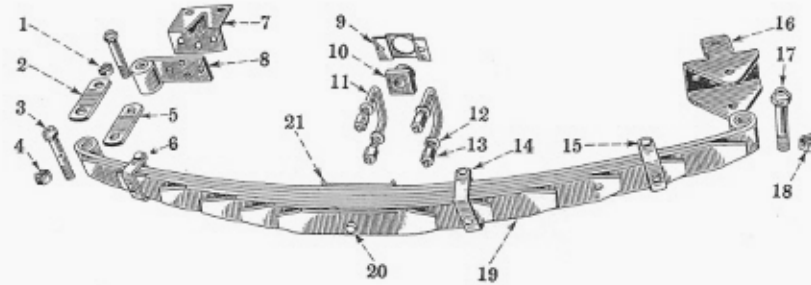
Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	1336 YA	5	61905 HX
2	1335 Y		61906 HX
3	1057 YA	6	Q 3615
4	1333 Y	7	1337 Y
		8	13350 V

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

HOOD AND HOOD CATCH

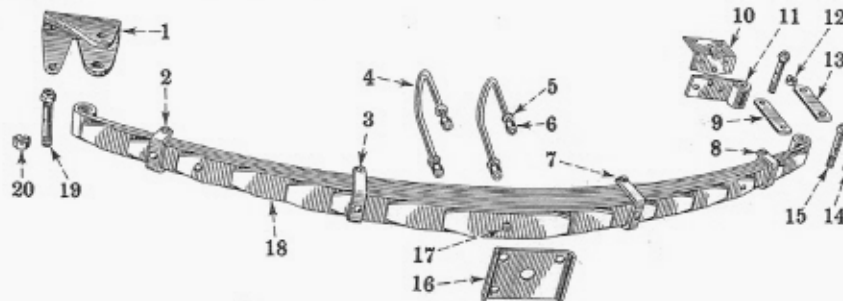
I H C Part No.	Description
65918 H	Hood, complete.
29584 H	Hood lacing rivet (at radiator).
42274 H	Hood hinge rod retainer spacer (at radiator).
50332 H	Hood catch handle nut.
57543 H	Hood lacing mounting screw (at cowl).
64615 HX	Hood top panel with hinge, right.
64616 HX	Hood top panel with hinge, left.
64617 HY	Hood side panel with hood catch, right.
64618 HY	Hood side panel with hood catch, left.
64623 H	Hood hinge rod retainer (at radiator).
64624 H	Hood hinge rod retainer (at cowl).
64625 H	Hood top panel hinge assembly.
64627 H	Hood side hinge rod.
65331 H	Hood side panel moulding, right.
65332 H	Hood side panel moulding, left.
65333 H	Hood top panel moulding, right.
65334 H	Hood top panel moulding, left.
65353 H	Hood name plate.
65722 H	Hood moulding fastener.
65724 H	Hood catch front bracket, right.
65725 H	Hood catch front bracket, left.
65726 H	Hood catch rear bracket, right.
65727 H	Hood catch rear bracket, left.
65728 H	Hood catch assembly, right.
65729 H	Hood catch assembly, left.
65740 H	Hood corner bumper, rear.
65756 H	Hood catch handle lockwasher.
65788 H	Hood lacing (at radiator).
65883 H	Hood rest spring.
65914 H	Hood catch handle.
65934 H	Hood lacing (at cowl).
66761 HA	Hood hinge rod retainer seal (at cowl).
66839 H	Hood corner bumper, front.
66878 H	Hood catch panel reinforcement spacer.
66879 H	Hood catch panel reinforcement, right.
66880 H	Hood catch panel reinforcement, left.
67516 HX	Hood rest with bumper, right.
67517 HX	Hood rest with bumper, left.
67525 H	Hood rest bumper.
67557 H	Hood catch rod guide.
67607 H	Hood rest spacer.
70752 H	Hood catch base plate, right.
70753 H	Hood catch base plate, left.
70754 H	Hood catch rod, right.
70755 H	Hood catch rod, left.
70762 HX	Hood catch base yoke lever assembly, right.
70763 HX	Hood catch base yoke lever assembly, left.
72469 H	Hood top panel hinge rivet.
76510 H	Hood name plate screw.

FRONT SPRINGS.



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	9/16" nut	8	62769 HX	15	41353 HX
2	41606 H	9	1222 Y	16	62776 H
3	41604 H	10	1223 Y	17	41604 H
4	9/16" nut	11	2093 YX	18	9/16" nut
5	41605 H	12	7/16" washer	19	61689 H
6	41353 HX	13	2094 Y	20	52482 V
7	62773 H	14	64317 H	21	2958 Y

REAR SPRINGS



Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	41573 H	8	46801 H	15	41604 H
2	46801 H	9	41608 H	16	2103 Y
3	41351 H	10	62773 H	17	51273 V
4	61688 HX	11	62769 HX	18	61690 H
5	7/16" washer	12	9/16" nut	19	41603 H
6	2094 Y	13	41607 H	20	9/16" nut
7	41351 H	14	9/16" nut		

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

CHASSIS SPRINGS, BRACKETS AND SHACKLES

I H C Part No.	Description
Front Springs	
Q 3615	{ Lubricator for front spring rear pin. Lubricator for front spring front pin.
41353 HX	Clip (bolt type) on third leaf of front spring.
41604 H	Front spring pin (front and rear).
41605 H	Front spring shackle, inner.
41606 H	Front spring shackle, outer.
43355 HX	Front spring U-bolt complete with two 2094 Y and two lock-washers (for 5.50 x 19, 6.00 x 19 and 6.50 x 18 tires).
61889 H	Front spring (7 leaves).
62769 HX	Front spring front bracket with 2918 Y bushing.
62773 H	Front spring front bracket frame reinforcement.
62776 H	Front spring rear bracket.
64317 H	Clip (bolt type) on sixth leaf of front spring.
68583 H	Front spring rear bracket frame reinforcement.
75113 H	Front spring riser block (for 5.50 x 19, 6.00 x 19 and 6.50 x 18 tires).
75114 H	Front spring riser block dowel (for 5.50 x 19, 6.00 x 19 and 6.50 x 18 tires).
52482 V	Front spring center bolt.
1222 Y	Front axle bumper retainer.
1223 Y	Front axle bumper (rubber).
2093 YX	Front spring U-bolt, with two 2094 Y nuts and two lockwashers (not for 5.50 x 19 and 6.50 x 18 tires).
2094 Y	Front spring U-bolt hex. nut.
2918 Y	{ Front spring housing.
2958 Y	{ Front spring front bracket bushing.
	Front spring U-bolt plate.
Rear Springs	
Q 3615	Lubricator for rear spring front pin.
Q 3626	Lubricator for rear spring rear pin.
41351 H	Clip (bolt type) on seventh leaf of rear spring.
41573 H	Rear spring front bracket, right.
41574 H	Rear spring front bracket, left.
41603 H	Rear spring front pin.
41604 H	Rear spring rear pin (upper and lower).
41607 H	Rear spring shackle, outer.
41608 H	Rear spring shackle, inner.
46801 H	Clip (bolt type) on third leaf of rear spring.
47104 H	Rear spring clip spacer.
61688 HX	Rear spring U-bolt, with two 2094 Y nuts and two lockwashers.
61690 H	Rear spring (9 leaves).
62769 HX	Rear spring rear bracket with 2918 Y bushing.
62773 H	Rear spring rear bracket frame reinforcement.
51273 V	Rear spring center bolt.
1222 Y	Rear axle bumper retainer.
1223 Y	Rear axle bumper (rubber).
2094 Y	Rear spring U-bolt hex. nut.
2103 Y	Rear spring U-bolt plate.
2918 Y	{ Rear spring bushing.
	{ Rear spring rear bracket bushing.

TOE BOARDS, FLOOR BOARDS AND MATS

I H C Part No.	Description
21628 H	Pedal opening cover plate spacer (for 64683 H).
63773 HX	Battery inspection hole cover (not for panel body).
64667 HX	Floor board with side seal (not for trucks with panel body or 4-speed transmissions).
64675 H	Toe board pedal stop.
64676 H	Gear shift lever housing seal (not for trucks with 4-speed transmission).
64682 H	Hand brake lever seal.
64683 H	Pedal opening cover plate (right for Left Hand Drive and left for Right Hand Drive).
64696 H	{ Floor mat fastener. { Floor opening cover plate fastener (for 64788 H and 64789 H).
64788 H	Pedal opening cover plate, right (Right Hand Drive).
64789 H	Pedal opening cover plate left (Left Hand Drive).
65311 H	Pedal seal (Left Hand Drive).
65312 H	Pedal seal (Right Hand Drive).
65657 HA	Floor mat (Left Hand Drive) (not for trucks with 4-speed transmission).
65658 HA	Floor mat (Right Hand Drive) (not for trucks with 4-speed transmission).
65785 H	Toe board side and front seal.
65786 H	Floor board side seal (not for panel body).
65787 H	Toe board mounting pad.
67508 HAX	Toe board with foot rest, mounting pads and seals (Left Hand Drive).
67509 HAX	Toe board with mounting pads and seals (Right Hand Drive).

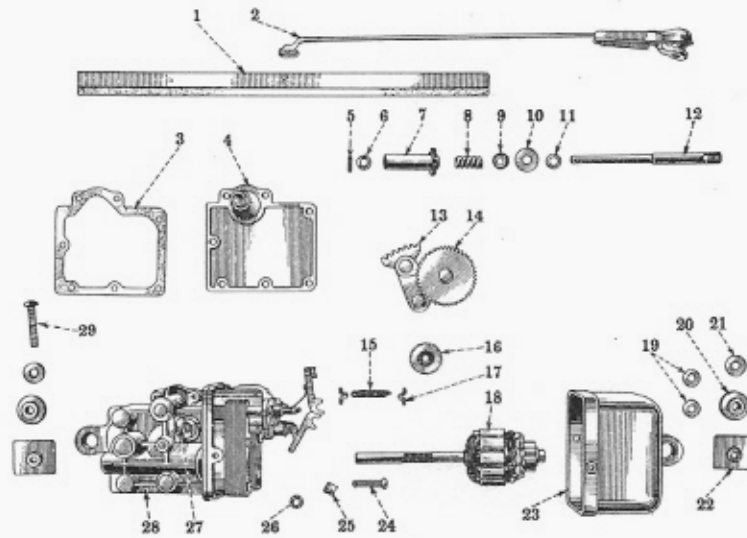
RUNNING BOARDS

I H C Part No.	Description
28583 H	Running board welt rivet.
64687 HX	Running board assembly, right (for trucks with cab).
64688 HX	Running board assembly, left (for trucks with cab).
65763 H	Running board welt.
65766 HX	Running board assembly, right (not for trucks with cab).
65767 HX	Running board assembly, left (not for trucks with cab).
66108 H	Running board support, front).
66109 D	Running board support, rear.

FRONT AND REAR FENDERS

I H C Part No.	Description
29584 H	Front fender to body seal rivet.
63894 HY	Front fender rear side panel assembly, right (Left Hand Drive).
63895 HY	Front fender rear side panel assembly, left (Left Hand Drive).
63896 HY	Front fender rear side panel assembly, right (Right Hand Drive).
63897 HY	Front fender rear side panel assembly, left (Right Hand Drive).
65746 HA	Front fender to running board spacer.
65757 HA	Front fender assembly, right (includes front side panel) (Domestic only).
65758 HA	Front fender assembly, left (includes front side panel) (Domestic only).
65929 H	Front fender side panel anti-squeak, 9" long.
65935 H	Front fender side panel anti-squeak, 2" long.
65937 H	Front fender to body seal.
65945 H	Front fender support assembly, right.
65946 H	Front fender support assembly, left.
66871 H	Front fender side panel anti-squeak, 16½" long.
67446 HA	Front fender front support bracket, right.
67447 HA	Front fender front support bracket, left.
67464 H	Front fender rear side panel lower bracket.
67479 H	Front fender support to radiator spacer.
67909 HX	Rear fender assembly, right (not for panel or pick-up body) (Domestic only).
67910 HX	Rear fender assembly, left (not for panel or pick-up body) (Domestic only).
67929 H	Front fender skirt brace, right (Export only).
67930 H	Front fender skirt brace, left (Export only).
67931 HX	Front fender assembly, right (does not include front side panel or skirt brace) (Export only).
67932 HX	Front fender assembly, left (does not include front side panel or skirt brace) (Export only).
67933 H	Front fender front side panel assembly, right (Export only).
67934 H	Front fender front side panel assembly, left (Export only).
72335 H	Front fender front side panel and skirt brace bolt (Export only).
72633 H	Rear fender skirt support (not for panel or pick-up body) (Export only).
72634 HX	Rear fender assembly, right (not for panel or pick-up body) (Export only).
72635 HX	Rear fender assembly, left (not for panel or pick-up body) (Export only).

WINDSHIELD WIPER



Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

Ref. No.	I H C Part No.	Ref. No.	I H C Part No.	Ref. No.	I H C Part No.
1	74556 H	12	69303 H	23	51135 HX
2	{ 69309 HX 69310 HX	13	51125 H	24	{ No. 6-32x3/4" Mach. Screw
3	51128 H	14	51122 H		
4	69307 HX	15	51136 H	25	69305 H
5	69304 H	16	51120 H	26	41229 H
6	51174 H	17	51143 H	27	51149 HC
7	51131 H	18	51119 H	28	51148 HCY
8	51132 H	19	51118 H	29	{ No. 10-32x1" Mach. Screw
9	57056 H	20	33603 H		
10	51117 H	21	{ Washer No. 10		
11	51142 H	22	33601 H		

WINDSHIELD WIPER

(Not for Model "MD" Milk Delivery Body)

I H C Part No.	Description
64644 H	Wiper assembly, right.
64645 H	Wiper assembly, left.
24790 D	Lockwasher for wiper mounting screw.
33601 H	Wiper mounting pad.
33603 H	Wiper mounting bushing.
41229 H	Wiper motor support to frame screw lockwasher.
50202 H	Wiper shaft rubber bushing.
51117 H	Wiper shaft (leather) washer.
51118 H	Rubber bushing for wiper motor cover.
51119 H	Wiper motor armature assembly.
51120 H	Wiper worm gear assembly.
51122 H	Wiper crank gear assembly.
51125 H	Wiper driving sector assembly.
51128 H	Gasket for wiper field support cover.
51131 H	Wiper shaft pinion assembly.
51132 H	Wiper shaft pinion spring.
51135 HX	Wiper motor cover with two 51118 H bushings.
51136 H	Wiper motor brush spring.
51139 H	Split rivet for wiper blade.
51142 H	Wiper shaft (steel) washer.
51143 H	Wiper motor brush spring anchor.
51144 H	Wiper switch rivet.
51148 HCY	Wiper motor field support assembly.
51149 HC	Wiper switch assembly.
51150 HAX	Wiper motor brush holder complete with brushes and spring.
51151 HX	Wiper motor field frame assembly.
51174 H	Wiper shaft pinion collar.
57034 H	Wiper arm spring.
57056 H	Wiper shaft leather washer expander.
64607 H	Wiper mounting bracket, inner (right side wiper).
64608 H	Wiper mounting bracket, outer (right side wiper).
64932 H	Wiper terminal assembly.
65769 HY	Wiper cable assembly (Right Hand Drive) (not for dual wipers).
65770 HAZ	Wiper cable assembly (for dual wipers).
69303 H	Wiper shaft.
69303 HX	Wiper shaft assembled with pinion.
69304 H	Wiper shaft collar pin.
69305 H	Wiper motor brush.
69306 H	Wiper switch insulator.
69307 HX	Wiper field support cover with tube.
69309 HX	Wiper arm assembly (right side wiper).
69310 HX	Wiper arm assembly (left side wiper).
69777 HY	Wiper cable assembly (Left Hand Drive) (not for dual wipers).
74566 H	Wiper blade.

WINDSHIELD AND REGULATOR

(Not for Flat Back Cowl)

I H C Part No.	Description
63874 HB	Windshield assembly (standard glass with black enameled frame).
63875 HB	Windshield assembly (safety glass with black enameled frame).
63877 HB	Windshield assembly (safety glass with chromium plated frame).
24791 D	Windshield to hinge frame adapter lockwasher.
27857 H	Windshield frame joint screw (chromium frame).
47380 H	Windshield center bar screw (chromium frame).
48243 H	Windshield to regulator screw lockwasher.
57067 H	Windshield glass packing.
62102 H	Windshield weather seal (special).
63844 H	Windshield hinge.
63845 H	Windshield hinge to frame adapter, right.
63846 H	Windshield hinge to frame adapter, left.
63854 H	Windshield regulator support.
63857 H	Windshield regulator complete with worm and tape housing (less support and handle).
63858 HA	Windshield regulator handle.
67407 H	Windshield regulator worm housing assembly.
67408 H	Windshield regulator tape housing assembly, right.
67409 H	Windshield regulator tape housing assembly, left.
67427 H	Windshield regulator handle (felt) washer.
67600 H	Windshield to hinge frame adapter nut.
67901 H	Windshield (rubber) bumper.
67908 H	Windshield to regulator screw.
67919 H	Windshield regulator handle set screw.
69322 H	Windshield weather seal (also see 62102 H).
69325 H	Windshield frame joint plug.
73076 H	Windshield frame assembly, less glass (black enameled).
73077 H	Windshield frame assembly, less glass (chromium plated).
73078 H	Windshield frame joint cover (black enameled).
73079 H	Windshield frame joint cover (chromium plated).
73080 HX	Windshield frame, upper half (black enameled).
73081 HX	Windshield frame, upper half (chromium plated).
73084 HX	Windshield frame, lower half (black enameled).
73085 HX	Windshield frame, lower half (chromium plated).
73086 H	Windshield glass (standard).
73087 H	Windshield glass (safety).

CAB AND COWL

I H C Part No.	Description
*64634 HX	Cab assembly (Left Hand Drive).(IHC Model "HE")(Machine Attachment).
*64635 HX	Cab assembly (Right Hand Drive)(IHC Model "HE")(Machine Attachment).
24791 D	Sun visor mounting screw lockwasher.
30956 H	Door outside handle screw.
33926 H	Cab name plate.
50605 H	Door glass regulator and lock inside handle felt washer.
51504 H	Windshield wiper hole plug (Right Hand Drive with single wiper).
62106 H	Dash insulator fastener.
62107 H	Door windlace retainer joint filler.
62114 H	Back cushion hold-down spring.
62115 H	Back cushion hold-down spring clip.
62788 H	Cab front and rear mounting bracket (113" W.B.).
63771 H	Cab front mounting bracket (125" W.B.)
63778 HAX	Instrument panel to dash brace.
63783 HA	Cowl ventilator cover with deflector and hinge.
63787 H	Cowl ventilator seal.
63788 H	Cowl ventilator hinge pin.
63789 H	Cowl ventilator spring.
*63793 H	Rear window glass channel support.
*63797 H	Rear window glass retainer.
63801 H	Door lock striker plate.
*63814 H	Rear window glass (standard).
*63815 H	Rear window glass (safety).
*63816 H	Rear window glass channel (for standard glass).
*63817 H	Rear window glass channel (for safety glass).
63839 H	Windshield header opening cover plate (right for Left Hand Drive and left for Right Hand Drive) (not for dual wipers).
63840 H	Windshield header opening cover plate, left (Left Hand Drive).
63841 H	Windshield header opening cover plate, right (Right Hand Drive).
63871 HX	Glove box assembly (Left Hand Drive).
63872 HX	Glove box assembly (Right Hand Drive).
63885 HAX	Glove box door with hinges and moulding.
64673 HA	Dash insulator, lower.
64674 H	Dash insulator, upper.
64706 HX	Door glass regulator channel assembly (less weather seal).
64707 H	Door glass (standard).
64708 H	Door glass (safety).
64713 H	Door glass regulator channel weather seal.
64722 H	Seat box cushion support.
64740 H	Door top weather strip.
64741 HA	Door bottom weather strip.
64744 H	Door upper contact member shim.
64745 H	Door take-up member shim (3/32" thick).
64746 H	Door take-up member sill plate.
64747 H	Door take-up member assembly.
64748 H	Door upper contact member.
64750 H	Door check arm (part of 64751 H).
64751 H	Door check assembly.
64752 H	Door glass regulator handle.
64753 H	Door lock inside handle.
64754 HA	Door outside handle (locking type) (does not include lock cylinder).
64755 HA	Door outside handle (non-locking type).
64756 H	Door glass bumper pad.
64758 H	Door glass channel assembly.
64759 H	Door glass regulator, right.
64760 H	Door glass regulator, left.
64761 H	Door lock and remote control assembly, right.
64762 H	Door lock and remote control assembly, left.
64763 HX	Door inner panel cover plate assembly, right.
64764 HX	Door inner panel cover plate assembly, left.
64765 H	Door upper hinge assembly, right (Left Hand Drive).

* Not for de luxe cab.

I H C Part No.	Description
CAB AND COWL - Continued	
64766 H	Door upper hinge assembly, left (Right Hand Drive).
64767 H	Door lower hinge assembly, right.
64768 H	Door lower hinge assembly, left.
64771 H	Cab rear mounting pad.
65305 H	Door upper hinge assembly, right (Right Hand Drive).
65306 H	Door upper hinge assembly, left (Left Hand Drive).
65321 H	Door check (rubber) bumper (part of 64751 H).
65322 H	Door check bumper washer (part of 64751 H).
65323 H	Door check bumper pin (part of 64751 H).
65659 H	Door take-up member shim (1/32" thick).
65660 H	Door outside handle lock cylinder (for 64754 H).
65906 HX	Brake master cylinder opening cover with clips.
66005 H	Glove box door latch catch.
66006 H	Glove box door (rubber) bumper.
66007 H	Glove box door bumper clip.
66358 H	Cab rear mounting bracket (125" W.B.).
66760 H	Glove box door bumper mounting screw. Glove box and door mounting screw.
66768 H	Cowl ventilator hinge pin spring.
*66774 H	Back cushion assembly.
*66779 H	Seat cushion assembly.
66783 H	Door glass anti-rattle.
66786 H	Button plug, 1-1/4".
66788 H	Back cushion spacer.
*66796 H	Roof top trim panel assembly.
*66805 H	Side trim panel, right.
*66806 H	Side trim panel, left.
*66812 HA	Sun visor complete with arm.
*66813 H	Sun visor, less arm assembly.
66820 HA	Sun visor arm assembly.
66823 H	Sun visor mounting screw.
66848 HA	Door front weather strip, upper.
66849 HA	Door front weather strip, lower.
*66850 H	Door hinge pillar windlace retainer, right.
*66851 H	Door hinge pillar windlace retainer, left.
*66852 H	Door lock pillar windlace retainer, right.
*66853 H	Door lock pillar windlace retainer, left.
66858 H	Door glass regulator handle screw. Door lock inside handle screw.
66860 H	Glove box door moulding.
66869 H	Door assembly, right.
66870 H	Door assembly, left.
66889 H	Instrument panel moulding, center, upper.
66890 H	Instrument panel moulding, center, lower.
*67369 H	Door windlace, right.
*67370 H	Door windlace, left.
67372 H	Rear window glass retainer screw.
67379 H	Windshield header opening cover plate screw.
*67384 H	Side and roof top trim panel fastener.
67406 H	Glove box door moulding unit. Instrument panel center moulding mounting nut.
67412 HA	Door windlace retainer fastener, short.
67417 H	Glove box door knob mounting screw.
67418 H	Glove box door knob mounting screw lockwasher.
67420 HA	Door windlace retainer fastener, long.
67421 H	Glove box door knob (non-locking type).
67422 H	Glove box door knob retainer.
67423 H	Glove box door knob (locking type - special).

* Not for de luxe cab.

I H C Part No.	Description
Cab and Cowl - Continued	
67426 H	Seat box cushion support screw.
67436 H	Back cushion hinge.
67497 H	Cab front mounting pad.
67591 H	Door hinge pin (not for mirror bracket hinge).
67593 H	Door hinge pin (for mirror bracket hinge).
67599 H	{Door lock inside handle screw lockwasher. {Door regulator handle screw lockwasher.
67617 H	Cowl ventilator spring.
67863 HA	Windshield corner drain hose connection.
67864 H	Windshield corner drain hose.
67866 HX	Cowl ventilator handle assembly.
67867 HX	Cowl ventilator ratchet and bracket assembly.
67916 H	Dash insulator fastener washer.
67947 H	Instrument panel center moulding plain washer.
67998 H	Cab name plate screw.
72454 H	Door inner panel cover plate seal.
72679 H	Rear window glass retainer screw, long.
52936 V	Door hinge mounting screw lockwasher.
Rear View Mirror	
50003 HB	Rear view mirror.
64795 H	Rear view mirror bracket (Right Hand Drive).
64796 H	Rear view mirror bracket (Left Hand Drive).

TOOLS AND ACCESSORIES

I H C Part No.	Description
Q 3611	Grease compressor (Export only).
1327 E	Combination pliers.
1595 E	Double headed "S" wrench.
8373 H	Ball peen hammer.
62339 HX	Front license plate bracket.
66323 H	Water pump wrench.
67022 HX	Jack with handle.
67028 H	Jack handle.
70782 H	Wheel nut wrench.
2588 T	Screw driver.
22240 V	Hand tire pump (Export only).
53251 V	Auto wrench.
3012 Y	Spark plug wrench.

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63548 HY	46	64687 HX	84	65660 H	90	66796 H	90
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GENERAL DATA

ENGINE:

Model (I H C).....	HD-213
Number of Cylinders.....	6
Bore.....	$3\frac{5}{16}$ "
Stroke.....	$4\frac{1}{8}$ "
Piston Displacement (Cubic Inches).....	213.3
Horsepower (A.M.A.).....	26.3

ENGINE SERIAL NUMBER:

Stamped on upper crankcase on distributor side, front end.

CHASSIS SERIAL NUMBER AND WEIGHTS:

Stamped on capacity plate on right-hand side of dash, under hood.

TRANSMISSION SERIAL NUMBERS:

Stamped on rear face of transmission case, below countershaft.

WHEELBASE:

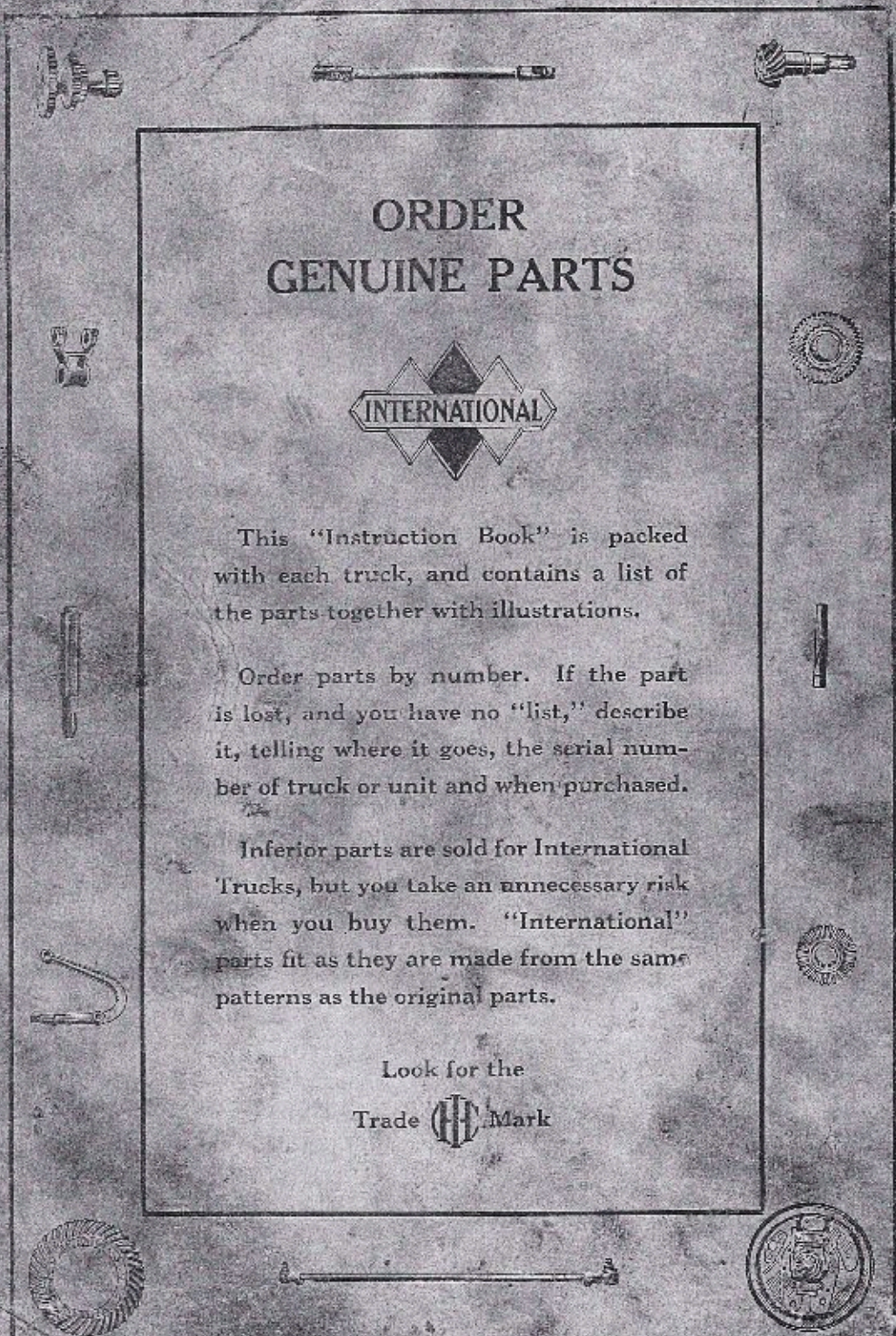
113" and 125".

UNIT CAPACITIES:

Engine Oil (Refill).....	6 Quarts (U.S.)
Cooling System.....	$15\frac{1}{2}$ Quarts (U.S.)
Fuel Tank.....	13 Gallons (U.S.)

TIRE PRESSURE (MAXIMUM):

5.50 x 19 (6 Ply).....	36 Pounds
6.00 x 19 (6 ").....	36 "
6.00 x 16 (4 ").....	32 "
6.00 x 16 (6 ").....	40 "
6.50 x 16 (6 ").....	40 "
6.50 x 18 (6 ").....	40 "
7.00 x 15 (6 ").....	36 "
7.50 x 15 (Jumbo).....	24 "




ORDER GENUINE PARTS



This "Instruction Book" is packed with each truck, and contains a list of the parts together with illustrations.

Order parts by number. If the part is lost, and you have no "list," describe it, telling where it goes, the serial number of truck or unit and when purchased.

Inferior parts are sold for International Trucks, but you take an unnecessary risk when you buy them. "International" parts fit as they are made from the same patterns as the original parts.

Look for the
Trade  Mark