1. J 5365 Rear Pinion Bearing Cone Remover
2. J 5372 Rear Axle Spreader
4. J 5490 Clutch Finger Adjusting Gauge
5. J 5366 Pinion Shaft Oil Seal Installer
6. J 5442 Pilot Bearing Installer & Clutch Plate Aligner
7. J 5368 Rear Axle Shaft Bearing Cone Remover (Used with J 358-1 Holder)
8. J 5371 Vibration Dampener Puller
9. J 2241-10 Differential Side Bearing Puller Adapter (Used with J 2241 Puller)
10. J 5223-50 Pinion Setting Gauge Adapter Set (Used with J 5223 Gauge)
12. J 5370 Rear Axle Shaft Inner Oil Seal Installer (Used with J 872-S Handle)
13. J 5369 Rear Axle Shaft Bearing Cone Installer
14. J 5364 Differential Side Bearing Installer
15. J 5367 Pinion Shaft Front Bearing Cup Installer (Used with J 872-S Handle)

The 15 tools illustrated and listed above are NEW essential tools for servicing the 1953 HUDSON JET. They are now available and are offered to Hudson Dealers for the first time.

One new Hydra-Matic tool, J 2587-A, is listed, otherwise all Special Tools used to service H-52 Hydra-Matic Transmission are adaptable to Z-53 Hydra-Matic Transmission on the JET. Every Hudson Dealer should have these tools.

Part number of the group is E.G. 7-53-1. The list price is $116.05, Michigan Dealers 3% Sales Tax. A discount of 5% allowed for cash. Place orders for Special Tools direct with Kent-Moore Organization, Inc., 5-105 General Motors Building, Detroit 2, Michigan.
When the Service Salesman has spare time during the working day, he should be reviewing owner follow-up record cards and contacting owners by telephone for additional work or Service appointments.

Through serving the best interest of all, he sells Parts, Labor and Owner Satisfaction.

If your Service Department is not large enough to have a Service Salesman, these fundamental rules should be observed by the man who meets Hudson Owners.

**VALVE TIMING CHECK—JET ENGINES**

All Jet engines have the valve timing and spark setting marking on the periphery of the vibration damper, with a pointer spot welded to the timing chain cover, as shown in the illustration.

To determine if valve timing is correct without disassembly work, the following procedure may be used.

1. Remove the front tappet cover and adjust the tappet clearance of number one intake valve to .010" with the engine hot or .012" on a cold engine.

2. Insert a .002" feeler gauge between number one intake tappet adjusting screw and end of valve stem, then turn crankshaft slowly (by pulling on the lowermost fan blade) in direction of rotation until the exhaust valve begins to close. Continue turning crankshaft very slowly until a **LIGHT DRAG** is felt on the feeler gauge.

3. At this point, inspect the timing marks on the damper. The engine is correctly timed when the No. 1 UDC mark (long mark) is one inch from the pointer. This would show the first short mark ¼ inch before the pointer.

**IT'S BRAND NEW AND READY FOR YOU**

Mechanical Procedure Manuals for Hudson Jet and Super Jet are off the press and copies have been mailed to all Zones, Distributors and Dealers.

Additional copies are available to mechanics and others who may wish to procure them—at cost—$1.00 per copy. Stock Number T-172 has been assigned this manual. Order direct from your Zone or Distributor.
When you remind your Customers that "Good Drivers Drive Safe Cars".

FEATURE THESE
HUDSON SAFETY GROUP ACCESSORIES

HUDSON BACK-UP LIGHTS (Part Nos. HA-230634, HA-238502, HA-238506)

- Drivers won't back into trouble when the area behind the car is automatically flooded with light upon shifting into reverse! The powerful beams switch off when going forward again. Hudson Back-Up Lights simplify parking and backing out of driveways at night—safety!

HUDSON DIRECTION INDICATORS (Part Nos. HA-307640, HA-307641, HA-309096)

- Signal turns safely and conveniently—day and night, in any weather. More convenient and easier to see than hand signals!
- Fast becoming legally required equipment in more and more states.
- Women drivers especially value the feeling of driving security this accessory affords.

HUDSON GLARE-PROOF MIRRORS (Part Nos. HA-210827, HA-239047)

- Deflect dangerous headlight glare from cars to the rear.
- Exceptionally large—over 20 square inches.
- Trim and cover in chrome.

HUDSON OUTSIDE MIRRORS (Part No. HA-220865)

- Two-way ratchet type action gives double the adjustment; and what's more, the adjustment remains fixed.
- Large, over 14 square inches of glass area.
- Theft-proof mounting.
- Applicable to both left and right hand installation.

HUDSON WINDSHIELD WASHERS (Part No. HA-232242)

- Finest washers made—give drivers convenience and safety at the touch of a button.
- Built-in fittings for quick installation.
- Every service Customer is a good prospect . . . when you check windshield wiper blades for dependable operation.

CHECK YOUR STOCK — ORDER FROM YOUR ZONE TODAY!
The Hamer organization (20) joins with local and state civic leaders, also Factory and Zone officials, in celebrating the occasion. At the speaker's table: Willard Scott, Zone Manager, before the microphone; to his right Messrs. W. S. Milton, Service Director, G. S. Potter, Service Manager, Dude Loomis, Mayor, and James Doyle, Honorary Mayor, City of San Fernando; at the speaker's left.

—Tex Stevenson, Lee Hamer and Mrs. Hamer.
Clean, light and roomy is this service repair shop of Riley Motor Co. It's completely departmentized and with all modern facilities.

The second 5-Star Dealer in Kansas City Zone. The award was made at a dinner attended by local civic leaders and Hudson officials. Seated at the speaker's table, from left to right: Bob Clow, Kansas City Zone Manager, Wilson Riley, Glen S. Potter, Factory Service Manager, Estell Riley and Robert C. Camp, Divisional Parts and Service Supervisor.


The home of Hudson in Okmulgee, Riley Motor Co. is outstanding for excellent owner relations and a very accurate car performance record and follow-up system.
BACK-UP LIGHT

Back-Up Lights (Option "Y.R."), when installed on all models equipped with Standard Transmission or Overdrive, will be controlled by an "automatic switch" which turns on the Back-Up Lights when the shift lever is placed in the reverse position. This switch is mounted at the lower end of the hand shift control tube and replaces the manually operated switch on the dash as used heretofore.

We have been using this type of installation on all Hydra-Matic equipped cars on which Back-Up Lights are specified. A field installation kit and revised instructions will be available for mailing in the very near future.

CARBURETOR FLOAT LEVEL—JET AND SUPER JET

Reports have been received from the field that some Jet and Super Jet Engines may hesitate or cut-out when making a sharp turn. This condition can be corrected by raising the carburetor float level.

In such cases, it is recommended that the air cleaner, carburetor dust cover and bowl cover assemblies be removed and the float level checked and re-set, if it is found to be too low.

Raising or lowering the float level is by bending the lip of the float ("A" shown in illustration) which contacts the float needle, to reduce or increase the measurement between the soldered seam of the float and the projection on the float cover.

In this case, bend lip "A" until the float level is raised from 3/8 to 3/16 of an inch. This results in raising the level of the fuel 3/16" and eliminates the condition of momentary starving on a sharp turn.

JET HYDRAMATIC TRANSMISSION CAPACITY

The capacity of the Hydra-Matic Transmission used on 1-C and 2-C is 8-1/2 quarts.

A new throttle return spring for Single Carburetor, 1-C and 2-C, Part 309562, has been released and will be available soon. This new spring raises the accelerator pressure approximately 50 per cent.

SERVICE OF THE MONTH POSTER FOR JUNE

Certain motor car service as adjustments, inspections, replacements, etc., comes in volume about the same period each year.

Shown below is a preview sketch of those important and timely attentions that should be given every car.

GREAT GOING!

WITH OUR... VACATION SPECIAL

- TUNE ENGINE - MAJOR INSPECT FAN BELT
- CHECK BATTERY-CLEAN TERMINALS INSTALL NEW OIL FILTER CARTRIDGE
- DRAIN AND CLEAN COOLING SYSTEM CLEAN AIR CLEANER

SERVICE OF THE MONTH

The thought here is that all Dealers may have everything in readiness: Get your June poster up at once in a conspicuous, easy-to-read place and with the aid of your Flat Rate Manual, set the most attractive price on these operations. Be prepared early for business.

THE ANNUAL NATIONAL CAR SAFETY-CHECK MONTH

Throughout the month of May, mechanics and motorists re-dedicate themselves to safety . . . safety in driving and in the conditioning of cars.

We need only to reflect upon this fact . . . that from the beginning of the first motor car operation, up to the present time . . . more people have been killed (over one million) by motor car accidents in the United States than populate any one of five or six states in the Union.

Let us keep in mind that all motorists do, for the most part, rely upon mechanics to maintain their cars in a safe condition. The Dealer's lubrication man, more than perhaps any other mechanic, has a better opportunity of observing the underbody parts that have to do with safety.

For those Dealers who have not already done so, complete official identification material for National Safety-Check Month may be procured direct from Modern Displays, Inc., 6825 Miller Avenue, Detroit 11, Michigan.
During this meeting a review of the Hydra-Matic transmission was the feature attraction. Before the meeting, a completely disassembled Hydra-Matic transmission was laid out so that all in attendance could inspect the various parts and prepare any questions.

During the meeting period the transmission was assembled piece by piece. The functioning of each part and possible cause of inoperative condition was explained by Mr. B. F. Smith, Zone Parts and Service Manager, (In white coat, right end—second row).

Ray C. Olsen. Divisional personnel present was E. Frank Hart.

Dealers present were Art Kleidon of Gilroy, Guy Smith of Gilroy, Anthony Milani of San Rafael, Fred Rahlf of Antioch, Wilbert Asito of Reedley.

BODY DRAIN OPENINGS MUST BE KEPT CLEAN

Drains have been placed at various points in the car bodies, as at the bottom of all doors, cowl ventilator, windshield, floor drains and gas filler opening, in order to carry off water and thus prevent the rust and deterioration of metals.

It is very important that these be kept open. If, for instance, the door drains become clogged, the water remaining in the door will, in time, cause rust to show through on the outside.

Some door drains are round, others are oblong. In any case, when checking this point—new or old car—and no drain opening is found, use a 3/8 or 5/16 drill and place a number of openings in the bottom of door at lowest point.

HYDRA-MATIC TRANSMISSION CASE SHIMS

Shims have been used in a limited number of 1953 transmissions between the parking brake bracket and case to insure correct alignment. The number of shims used varies from one to two per transmission.

For service procedure it will be necessary to keep the same number of original shims with the original case when assembling or disassembling the transmission. If the original case is replaced, the shims will no longer be necessary.
INCREASE YOUR WHOLESALE PARTS
SALES WITH THIS NEW—

1953 Direct Mail Program!

More effective ... more powerful ... more profitable than ever before

YOUR WHOLESALE PARTS MARKET
IS 53% GREATER IN 1953

The large number of 1948 Hudson cars sold are just now coming into the major repair-end of your Hudson Wholesale Parts Market!

Hudson design, engineering and manufacture have made it possible to drive post-war Hudsons longer and farther before major service work is required. It is a well-known and accepted fact that major service work is usually not needed until Hudson cars are five to ten years old.

The facts speak for themselves! Here's the

Hudson Cars 5-10 years old as of:
January 1, 1950 157,000
January 1, 1951 170,000
January 1, 1952 172,000
January 1, 1953 265,000

TO SELL' EM—YOU HAVE TO TELL 'EM!

The independent garagemen who service this market are your prospects and should be your customers!

Let the new 1953 Direct-Mail Program generate good will for your dealership.