

Studebaker

SERVICE BULLETIN

MARCH

NO. 273



1953

CHECKING VALVE STEM O-RING OIL SEALS -- V8 ENGINES

Please record this article on the Service Bulletin Reference page at the end of the Engine section of your 1951 and 1953 Passenger Car Shop Manuals.

The valve stem O-ring oil seals used on the Commander V8 engine are to keep too much oil from passing the valve spring retainers and thus being drawn through the valve guides and into the combustion chambers. Improperly installed or damaged seals or absence of seals could be a factor in excessive oil consumption or spark plug fouling complaints.

To determine the condition of the seals or absence of seals, compress a small suction cup over the valve spring retainer. If there is leakage past the O ring, the cup will not stay compressed.

A quick, accurate check may also be made with the vacuum equipment on the distributor analyzer. When using this method, provide the end of the vacuum hose with a hood or cup adapter large enough to fit over the valve keepers and form a seal on the valve spring retainer. You can use a high tension cable nipple, Studebaker Part No. 44961, or a similar cup made from 1/2" I.D. and 3/4" O.D. rubber or plastic hose.

To make the check with the distributor analyzer vacuum equipment, proceed as follows:

1. Remove valve covers.
2. Remove rocker arm-and-shaft assembly.
3. Wipe excess oil from top of valve spring retainers.
4. Hold thumb over end of vacuum hose adapter and adjust vacuum control on analyzer until vacuum gage indicates 15" vacuum.
5. Place adapter over the valve stem end, centering the adapter on the valve spring retainer. Vacuum on gage should again indicate 15" vacuum if seal is in good condition. A lower reading will indicate seal leakage.

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COLOR FORMULAS - 14G, 4H

Following are the paint formulas of the colors used on the 1953 model passenger cars:

#8592 CHIPPEWA GREEN BAKING ENAMEL - W-XO - COOK'S #832-G-86

Rutile Non-Chalking Titanium Dioxide	- 90.57%
Synthetic Yellow Iron Oxide	7.38
Monastral Green	1.27
Lamp Black	.78
	<u>100.00%</u>

(CONTINUED ON PAGE 2)

#8577 CORAL RED BAKING ENAMEL - W-XJ - JONES-DABNEY (THEIR 56-4117)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
65.0 Cadmium Red	91.0 Alkyd
19.5 Titanium Dioxide	9.0 Melamine
13.5 Gold Paste	100.0%
2.0 Indanthrene Maroon	Total Non-Volatile = 45%
Tint Lamp Black	
100.0%	

#8574 IVORY MIST BAKING ENAMEL - W-XI - JONES-DABNEY (THEIR 56-3158)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
94.0 Titanium Dioxide	92.0 Alkyd
5.0 Zinc Yellow	8.0 Melamine
1.0 Ferrite Yellow	100.0%
Tint Lamp Black	Total Non Volatile = 44%
100.0%	

#8595 LOMBARD GREEN BAKING ENAMEL - W-XP - JONES-DABNEY (#56-8335)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
40.0 Alkalori Blue	92.0 Alkyd
36.0 Zinc Yellow	8.0 Melamine
19.0 Chrome Yellow	100.0%
3.0 Titanium Dioxide	Total Non-Volatile = 44%
2.0 Phthalocyanine Green	
100.0%	

#8580 MANCHESTER MAROON BAKING ENAMEL - W-XK - COOK'S #832-M-39

Indo Maroon Deep	54.10%
Thio Fast B.O.N. Red	20.91
Cadmium Red Medium	17.47
Red Iron Oxide	8.46
Carbon Black	1.06
	100.0%

#7696 VELVET BLACK BAKING ENAMEL - W-ND - JONES-DABNEY (#4577)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
76.5% Carbon Black	Alkyd Resin
23.5 Iron Blue	(soya-wood) 93.6%
100.0%	Melamine 6.4%
	100.0%
	Total Solids = 42%

#8598 LOMA GRAY BAKING ENAMEL - W-XR - COOK'S #835-A-48 (INSIDE COLOR)

Rutile Non-Chalking Titanium Dioxide	85.28%
Burnt Sienna	8.31
Transparent Ferric Hydrate (Gold Drops)	3.09
Carbon Black	2.30
Fine Non-Leafing Aluminum	1.02
	100.00%

#8452 MAUI BLUE BAKING ENAMEL - W-VZ - DU PONT

246-0097	- 29 ounces	White
246-025	- 2 ounces	Black
246-059	- 3/4 ounces	Blue
246-0785	- 1/4 ounces	Green

#8583 MONTEREY BEIGE BAKING ENAMEL - W-XL - JONES-DABNEY (56-7264)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
96.0 Titanium Dioxide	92.0 Alkyd
3.0 Ferrite Yellow	8.0 Melamine
1.0 Lamp Black	100.0%
100.0%	Total Non-Volatile = 44%

#8491 NOCTURNE BLUE BAKING ENAMEL - W-WE - JONES-DABNEY (#56-5158)

<u>% Pigment Composition</u>	<u>% Vehicle Composition</u>
Iron Blue	88.8%
Titanium Dioxide	11.0
Lamp Black	.2
	92.0% Alkyd
	8.0 Melamine
	100.0%
	Total Non-Volatile = 44%

#8586 OLYMPIC GRAY BAKING ENAMEL - W-XM - COOK'S #832-A-85

Rutile Non-Chalking Titanium Dioxide	98.8%
Lamp Black	1.2
Phthalocyanine Blue	Tint
	100.0%

#8607 TACOMA GRAY BAKING ENAMEL - W-XS - COOK'S #832-A-87

Rutile Non-Chalking TiO ₂	76.5%
Lamp Black	20.3
Indo Blue	1.9
Thio Fast Red	1.3
	100.0%

#8494 TAHOE GREEN BAKING ENAMEL - W-WF - DU PONT #253-71782

253-0953	White	81 per cent
253-0785	Green	7 per cent
253-064	Yellow	6 per cent
253-025	Black	8 per cent

ELECTRIC WINDSHIELD WIPER RUNS IN OFF POSITION - 1953 MODELS

Please record this article on the Service Bulletin Reference page at the end of the Electrical Section of your 1953 Passenger Car Shop Manual.

Some electric windshield wiper motors made before January 23, 1953 may continue to run after the switch is turned off.

Should you have a car whose wiper motor runs when the switch is in the OFF position, it will be necessary to replace the motor with one bearing a code date of 23-X-1 or later. Motors

stamped with this or later code dates include a change to eliminate the condition.

You can tell when the wiper motor was produced by reading the code date stamped on the end of the motor housing. The code is: Day - Year (the letter X stands for 1953) - Month. Thus a unit built January 23, 1953 will be coded 23-X-1.

EXHAUST SYSTEM - 14G, 4H

Please record this article on the Service Bulletin Reference page at the end of the Engine section of your 1953 Passenger Car Shop Manual.

Check early production cars to be sure that the exhaust and tail pipes do not interfere with other units. Should the exhaust pipe rattle against the engine rear support cross-member, install shims between the clamp saddle and the front mounting bracket (located on clutch or converter housing). Should the tail pipe strike the axle housing or rear corner of the gasoline tank, loosen the clamps and reposition the pipe to give more clearance.

WICK ON CLIMATIZER MOTOR - ALL MODELS

Please record this article on the Service Bulletin Reference page at the end of the Climatizer section of your 1953 Passenger Car Shop Manual.

On the outside of the Climatizer motor there is a wick. DO NOT OIL THIS WICK.

Its purpose is to absorb moisture that might condense or otherwise collect in the Climatizer motor housing. Such moisture is led from within the housing by capillary attraction to the exposed portion of the wick. There the circulating air evaporates the moisture.

Any lubricant put on the wick would, therefore, defeat its purpose.

SHOCK ABSORBERS - 14G, 4H

Please record this article on the Service Bulletin Reference page at the end of the Springs and Shock Absorbers section of your 1953 Passenger Car Shop Manual.

If you have reason to believe that a car does not ride properly, check the shock absorber action. This may be the cause, particularly on early production models before Serial Nos. G-1200248 (14G) and 8291590 (4H) units. If you find any faulty shock absorbers, install service replacement units.

REPLACEMENT ROOF PANELS 1947-48-49-50 MODEL 4-DOORS LAND CRUISERS AND 5-PASS. COUPES

Please record this article on the Service Bulletin Reference page at the end of the Body section of your 1947-48-49 Passenger Car Shop Manual and on page 40 of your 1950 Passenger Car Shop Manual.

Replacement roof panels for 1947-48-49-50 4-door sedan, Land Cruiser, and 5-passenger coupe body types as listed on page 100 of the 2nd edition of the Body Parts Catalog (issued May 1, 1951) are no longer available.

These panels are identified as Part Nos. 292274, 292278, and 292276.

In order to satisfy the very small demand for such replacement needs, we are substituting roof panels of the 1951-2 design in the corresponding body types by providing kits (listed below), together with complete printed instructions for making the conversion.

The new kits are identified as follows:

Part No.	Part Name	Body Style	Price		
			List	Net	Pref.
292486	Roof Panel Kit 4-dr.	Sedan	92.00	64.40	75.90
292488	Roof Panel Kit 5-pass.	Coupe	78.15	54.71	64.47
292490	Roof Panel Kit	Land Cruiser	92.55	64.79	76.35

The 4-door sedan installation requires that sections of the new roof panel be cut out both above and below the windshield opening and that windshield opening upper and lower insert panels (as supplied in the kit) be welded into place.

For the 5-passenger coupe and Land Cruiser only, the lower windshield opening insert panel is necessary.

These insert panels are included as part of the replacement kits.

Both the 4-door sedans and Land Cruisers also require the installation of the later style one-piece rear window with its related moulding and weather strip. (The rear window on the 5-passenger coupe does not have to be changed.) These parts are not included in the kits. Order them separately when ordering a roof panel replacement kit for 4-door sedans or Land Cruisers.

The new panel kits are priced slightly higher than the old. Because of the added work, more labor is required to install the latest panels. Be sure to take this into consideration when making installation estimates.

**SIX STRIPPED ENGINE ASSEMBLIES
6G-14G CHAMPIONS
7A-17A COMMANDERS
J5, K15, M16, 2R SERIES TRUCKS**

Please record this article on the Service Bulletin Reference page at the end of the Engine Section of your 1951 and 1953 Passenger Car Shop Manuals and on page 107 of your 2R Series Trucks Shop Manual.

By eliminating the oil pan, oil Floto, and attaching parts as part of the stripped engine assembly, it is now possible to service J5, K15, M16 and all 2R Series Trucks, 6G-14G Champion models and 7A-17A Commander models with three different stripped engines instead of eight.

In addition, we no longer include an oil filler pipe.

Some engines have a bag containing six crankshaft-to-converter drive plate bolts so that by changing the bolts as required, you can use the engines for vehicles with either conventional, overdrive, or Automatic Drive transmissions.

When a new Part No. 532915 Commander-six stripped engine assembly is used on certain earlier models, the correct length oil level gage is furnished with the engine and a new oil pan must be installed.

In all cases it is necessary to saw the generator mounting flange.

All of these exceptions are clearly covered

by tags attached to the particular stripped engine involved. The tags read as follows:

Manila tag: When used for cars previous to Model 16A and trucks with engines before Engine 4R-101 use the attached Oil Level Gage and use Oil Pan #525160.

White tag: Remove Hole Plugs and install new Oil Filler Tube and Oil Level Gage Tube as required to duplicate parts and heights in original Engine.

Red tag: *Important*
If Engine is to be used in car with Automatic Transmission, remove Rear Main Brg. Cap and 6 Crankshaft-to-Flywheel bolts. Install shorter bolts provided in attached bag and reinstall Brg. Cap.

Do not damage Rear Main Brg. Seal!

Blue Tag: When this Engine is used in cars or trucks equipped with one-piece Generator Mounting Bracket, the Engine Front Plate must be sawed flush with the block as shown.

The new part numbers for the stripped engines, together with the part numbers of the engines which the new ones now replace are:

PART NOS.		PART NAME	MODEL APPLICATION
NEW ENGINE	REPLACES ENGINE		
532912	520318, 526685, 530862 530865, 530350	Stripped Engine	6G-14G incl., 2R5, 2R10, 2R15
532915	525802, 527877	Stripped Engine	7A-17A incl., 2R6, 2R11, 2R14, 2R16A, 2R16B, 2R17A, 2R17B, J5, K15, M16
532916	680459	Stripped engine	2R16A, 2R16B, 2R17A, 2R17B, (special valve group).

(TAG ADAPTATIONS LISTED ON NEXT PAGE)

Note.-- The tags quoted on p.4 accompany the six new stripped engines as follows:

- Part No. 532912 - Stripped Engine Oil Filler Tube and Level Gage Tube Instruction tag (white); Stripped Engine Automatic Transmission Instruction tag (deep red); Stripped Engine Generator Mounting Bracket Instruction tag (blue).
- Part No. 532915 - Stripped Engine Automatic Transmission Instruction tag (red); Stripped Engine Generator Mounting Bracket Instruction tag (blue); Oil Level Gage and Oil Pan Instruction tag (manila).
- Part No. 532916 - Stripped Engine Generator Mounting Bracket Instruction tag (blue); Oil Level Gage and Oil Pan Instruction tag (manila).

VALVE SPRING COMPRESSION LENGTH

Please turn to page 50 of the Engine section of your 1953 Passenger Car Shop Manual, under the heading "Valve Spring Testing" and make the following correction in ink:

Strike out the figure 1-3/4" (44,5 mm.) and write in 1-43/64" (42,5 mm.).

The length of the valve spring, compressed under 110 ± 5 lbs. (50 ± 2,3 kg.) pressure, should measure 1-43/64" (42,5 mm.).

CHANGE IN SERVICE BULLETIN NO. 270

In Service Bulletin No. 270, page 12, the cam angle at the top of the right-hand column is shown erroneously as .018°-.024°.

The cam angle should read: 28° to 34°.

AUTO-LITE SERVICE STATION DIRECTORY

We are mailing with this issue of the Service Bulletin a directory of authorized Electric Auto-Lite service stations in the continental United States, Alaska, and Canada.

1953 PHILCO SERVICE STATION DIRECTORY

Your copy of the Official Directory of Authorized Philco Distributors and Service Stations for 1953 comes to you with this issue of the Service Bulletin.

This Directory lists the name and address of every Philco Auto Radio distributor or service station in each of the United States and in Alaska and Hawaii.



LATEST LISTING OF MATCHED COMPONENTS - ELECTRICAL SYSTEMS OF 2R SERIES TRUCKS

Please record this article on page 73 of your 2R Series Trucks Shop Manual.

The table on the next page cancels and supersedes that given in Service Bulletin No. 268, page 3. It shows, by Studebaker part number as well as vendor's number, which items must be used in conjunction with each other. We urge that you impress on your service and parts men the importance of matching replacement electrical system components to those remaining on the vehicle. Check the serial number plate on generators and current-voltage regulators against this list to be sure.

Generators, ammeters, and current-voltage regulators are designed to be used in matched sets; i.e., it is never desirable to replace a generator with just any generator that might at one time or another have been used in a particular model or truck. It is essential to proper electrical system operation and long life of all parts in the electrical system that the replacement generator be matched to the type and model of current-voltage regulator and ammeter with which the generator must work on the truck.

NOTE.--DO NOT ORDER parts from table on next page. Use part numbers given in your Parts Catalog. Part numbers in this table are only for checking equipment now in use or on hand.

MODELS 2R5-10-15

GENERATOR			VOLTAGE REGULATOR			AMMETER			
MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	GEN. AMP.
-GDZ-4804A	Auto-Lite	512574	(VRP-4004F (VRP-6001A	Auto-Lite Auto-Lite	526683	11512A	Auto-Lite	676659	35
*GDZ-6001A xGDZ-6001S	Auto-Lite Auto-Lite	531422	(VRP-6001A	Auto-Lite	526683	11512A	Auto-Lite	676659	35
*GDZ-6001A xGDZ-6001S	Auto-Lite Auto-Lite	531422	(VRP-6005A	Auto-Lite	530272	G-440234	Stewart-Warner	680164	40
*GGW-4801A xGGW-4801S	Auto-Lite Auto-Lite	531705	(VBE-6101A	Auto-Lite	531703	G-440234	Stewart-Warner	680164	45
OPTIONAL EQUIPMENT									
-GEB-4803A Early Cut-in	Auto-Lite	198881	VRP-4004C	Auto-Lite	198882	11512A	Auto-Lite	676659	32

MODELS 2R6-11-14

GENERATOR			VOLTAGE REGULATOR			AMMETER			
MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	GEN. AMP.
*1102728 x1102719	Delco-Remy Delco-Remy	531384	(1118380	Delco-Remy	526688	11512A	Auto-Lite	676659	34
-1102753 x1102717	Delco-Remy Delco-Remy	680239 531385	(1118392	Delco-Remy	530227	G-440234	Stewart-Warner	680164	40
*1102787 x1102785	Delco-Remy Delco-Remy	531635	(1118730	Delco-Remy	531592	G-440234	Stewart-Warner	680164	45
OPTIONAL EQUIPMENT									
-1105893 Early Cut-in	Delco-Remy	680287	1118393	Delco-Remy	680288	G-440234	Stewart-Warner	680164	40
-1105891 Heavy Duty	Delco-Remy	679558	1118314	Delco-Remy	679595	G-440234	Stewart-Warner	680164	40
-1105892 Heavy Duty	Delco-Remy	680289	1118394	Delco-Remy	680290	G-440240	Stewart-Warner	680443	50

MODELS 2R16-16A-17-17A

GENERATOR			VOLTAGE REGULATOR			AMMETER			
MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	MODEL	MFG.	STUDE. NO.	GEN. AMP.
-GDZ-4805A	Auto-Lite	512575	VRP-4004F	Auto-Lite	513615	11512A	Auto-Lite	676659	35
*1102728 x1102719	Delco-Remy Delco-Remy	531384	(1118380	Delco-Remy	526688	(11512A (G440234	Auto-Lite Stewart-Warner	676659 680164	34 34
-1102753 x1102717	Delco-Remy Delco-Remy	680239 531385	(1118392	Delco-Remy	530227	G-440234	Stewart-Warner	680164	40
*1102787 x1102785	Delco-Remy Delco-Remy	531635	(1118730	Delco-Remy	531592	G-440234	Stewart-Warner	680164	45
OPTIONAL EQUIPMENT									
-GEB-6001E Early Cut-in	Auto-Lite	677233	VRP-4004C	Auto-Lite	198882	11512A	Auto-Lite	676659	32
-GGJ-4804B High Output	Auto-Lite	676064	VBA-4205	Auto-Lite	676194	24293	Moto-Meter	677262	50
-1105893 Early Cut-in	Delco-Remy	680287	1118393	Delco-Remy	680288	G-440234	Stewart-Warner	680164	40
-1105891 Heavy Duty	Delco-Remy	679558	1118314	Delco-Remy	679595	G-440234	Stewart-Warner	680164	40
-1105892 Heavy Duty	Delco-Remy	680289	1118394	Delco-Remy	680290	G-440240	Stewart-Warner	680443	50

- Production and Service Assembly Includes Pulley
- * Production Assembly Includes Pulley
- x Service Assembly is Less Pulley

**SPEEDOMETER PINION CHART
WARNER T-90-B TRANSMISSION
2R Series Trucks**

speedometer pinion to use for any 2R Series Truck equipped with the Warner T-90-B transmission, with or without overdrive, according to tire sizes and rear axle ratios.

Please record this article on page 221 of 2R Series Trucks Shop Manual.

The accompanying chart shows the proper

The numbers shown for the pinions are Studebaker part numbers.

SPEEDOMETER PINION CHART FOR MODEL 2R5 & 2R6 WARNER T-90-B TRANSMISSION WITHOUT OVERDRIVE

REAR AXLE RATIO	Tire Size	9.00-13	6.00-16	6.00-16	6.50-16	7.10-15	6.00-16	6.50-16	P.T.-Passenger Car Type T.T.-Truck Type S.S.-S.T.-Special Service, Sandy Terrain
	No. of Ply	4 & 6 Ply	4 Ply	6 Ply	6 Ply	4 Ply	6 Ply	6 Ply	
	Type Tire	S.S.-S.T.	P.T.	P.T.	P.T.	P.T.	T.T.	T.T.	
		S.S.-S.T.							
4.09	Pinion Stude.#	520087	520087	520087	520087	520087	520087	520087	

SPEEDOMETER PINION		
Stude.#	Stewart Warner#	No. of Teeth
520087	448129	15

TRANS. DRIVE GEAR		
Stude.#	Stewart Warner#	No. of Teeth
520083	447084	5

SPEEDOMETER PINION CHART FOR MODEL 2R5,2R6,2R10,2R11 WARNER T-90-B TRANSMISSION WITH OR WITHOUT OVERDRIVE

REAR AXLE RATIO	Tire Size	9.00-13	7.10-15	6.00-16	6.00-16	6.50-16	7.00-16	7.50-16	8.25-16	6.00-16	6.50-16
	No. of Ply	4 Ply	4 Ply	4 Ply	6 Ply	6 Ply	6 Ply	8 Ply	10 Ply	6 Ply	6 Ply
	Type Tire	S.S.-S.T.	P.T.	P.T.	P.T.	P.T.	P.T.	T.T.	T.T.	T.T.	T.T.
4.55 & 4.56	Pinion Stude.#	677744	677744	677744	677744	677744				677744	677744
4.82	Pinion Stude.#		677745	677745	677745	677745				677745	677744
4.89	Pinion Stude.#		677745	677745	677745	677745				677745	677744
4.857	Pinion Stude.#			677745	677745	677745	677744	677744		677745	677744
5.571	Pinion Stude.#			677745		678239	677746	677745	677744	678239	677746

WITH OVERDRIVE

SPEEDOMETER PINION		
Stude.#	Stewart Warner#	No. of Teeth
677744	448227	13
677745	448228	14
677746	448229	15
678239	448231	16

WITHOUT OVERDRIVE

SPEEDOMETER PINION		
Stude.#	Stewart Warner#	No. of Teeth
677744	448227	13
677745	448228	14
677746	448229	15
678239	448231	16

TRANS. DRIVE GEAR

Stude.#	Stewart Warner#	No. of Teeth
677743	447147	4

TRANS. DRIVE GEAR

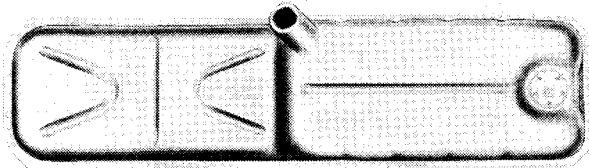
Stude.#	Stewart Warner#	No. of Teeth
678975	447161	4

**GENERATOR SUPPORT BRACKET -
2R6, 2R11, 2R14,
2R16A and 2R17A**

Please record this article on page 107 of your 2R Series Trucks Shop Manual.

Effective with Truck Engine Nos. R6-16566 (2R6-11-14) and 4R-50309 (2R16A-17A), a wider generator support bracket, Part No. 681409-P, entered production.

This bracket is widened 7/16", compared to the one it replaces. Such widening of the bracket allows more stock between bolt holes and the edge of the bracket. It should eliminate possibility of breakage when the 50-ampere generator is used.



GASOLINE TANKS - 2R SERIES TRUCKS

The design of the reinforcing ribs on the top of the upper half of the gasoline tank has been changed. The new rib design is intended to avoid concentration of stress at a single point and thereby eliminate cracking the top section of the tank.

The new design entered production with the following serial numbers:

R5-103759	R11-8156	R16A-41895
R6-9479	R14-1210	R17A-33356
R10-36028	R15-13688	HR5-6117 (Can.)

TRUCK AIR CLEANERS
are important
SERVICE THEM AT
EVERY LUBRICATION



who also service any of these competitive makes in volume, who may wish to purchase special tools to do this work more easily in less time.

The first 64 pages of the Guide picture and describe each tool currently being supplied by Kent-Moore. Tools and equipment are grouped according to the sections of the car where they are usually used, and are listed by tool number within these sections.

On pages 65 to 80, the tools are listed again, in the same groups, but alphabetically within the groups. In this listing, the sketches are left out, but reference is given to the number of the page on which the tool is illustrated. A table on these pages also shows the makes of cars for which the tool is recommended.

1952 KENT-MOORE TOOL GUIDE

A copy of the 1952 edition of the Kent-Moore Service Tool Guide accompanies this Service Bulletin.

This new guide covers all of the service and repair tools which are presently available from Kent-Moore, including tools for certain other makes of cars. Tools which are especially recommended for Studebaker dealers are marked with a special red symbol. The additional tool listings will be of advantage to those dealers

A new price list, effective November 1, 1952 is included with the Guide. In this list, tools are listed numerically. References are given to the number of the page in the Guide on which the tool is illustrated, and make and model applications are given. All of the prices are f.o.b. Kent-Moore Warehouse, Jackson, Michigan, and are subject to change without notice.

NOTE.--Special tools for 1953 Studebaker models are not included in this Tool Guide.

PRICES SHOWN HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE