

# Studebaker

# SERVICE BULLETIN

MAY

NO. 223



1949

**GET OUR PRE-VACATION SERVICE FOR YOUR CAR...**

*Before you go...*

Your vacation will be more fun... if you have more peace of mind if your car is completely serviced before you go. Pleasant, safe motoring requires a car that's sure to operate with top efficiency. So have your engine tuned, brakes checked, wheels aligned, moving parts lubricated properly—and other important items inspected for dependable performance.

Before you go...

**Safety First on your vacation**

Let us service these and other items before you go:

**STEERING INSPECTION AND ADJUSTMENT**  
 Make that steering right gives you good road-holding on your drive. Your tires and front-end parts last longer, too. Steer has to check the wheel balance while you're at it and inspect the tires for safe conditions.

**EXHAUSTION**  
 Don't start your vacation with all-day rattle in the back seat. Our fresh engine oil in the crank, oil, and new lubricants in the valves, transmission and rear end.

**ENGINE TUNING**  
 More pleasure for your driver means that extra bit of peak efficiency. Your car's smooth, deep performance and fuel economy are yours. Before you start your vacation, give your engine a tune-up job.

**EXHAUSTION**  
 Don't start your vacation with all-day rattle in the back seat. Our fresh engine oil in the crank, oil, and new lubricants in the valves, transmission and rear end.

**You'll LIKE**

**DEALER'S NAME** \_\_\_\_\_ TELEPHONE \_\_\_\_\_

**STREET ADDRESS** \_\_\_\_\_

**CITY AND STATE** \_\_\_\_\_

**AUTHORIZED SERVICE**

**MAILING NO. 3**  
**1949 SERIES**



**MAILED MAY**

## HEAVY MOTORING SEASON AHEAD

This spring and summer will bring another bumper crop of motorists headed for resorts and outings of all kinds. Advance reservations at hotels, inns, and resorts indicate that the record travel levels of the past few years will be approached or equaled.

To give these motorists every opportunity to get their cars in safe driving condition and to make their holidays carefree from car worries is one of the services all Studebaker dealers can render their communities.

Your participation in the Operation Safety campaign (outlined in Confidential Sales Bulletin No. 28 of March 29th) and in service promotional campaigns such as illustrated above by Mailing No. 3 of the 1949 Series, are among the means you can employ to let your prospects and service customers know that you

are ready, able, and willing to prepare or repair their cars for safe pleasure trips.

You can also put your message across by mentioning pre-vacation service in all your other advertising, such as post card, newspaper, and telephone solicitation.

Tied in with spring and summer car conditioning also is the attractive Parts and Accessories Sales program for use during the next few months.

With this wealth of attractive, informative, and sincere promotional aids and with careful attention to quality of work, customer handling, equipment condition, and adequate materials and parts stocks, Studebaker dealers are in an excellent position to enjoy a good season of service sales.

## BORG CLOCK SERVICE STATION ADDITIONS

The Borg Products Division service stations below have been authorized since our printing of the list given in Service Bulletin No. 218, p. 2.

Jacksonville Instrument Service Co.  
1289 West Adams St.  
Jacksonville 4, Florida

Jose Rosendo Perez  
Calle 23, No. 1507  
Vedado, Habana, Cuba

S. Cansaneda Lopez  
Chiapas 153  
Mexico D. F., Mexico

Sunray Clock Service  
Room 312, Merchandise Mart Building  
Honolulu, T.H.

## LOWERING STEERING WHEEL POSITION -8G

*Please record this article on page 111 of your 1947 Shop Manual.*

With the start of production of the 8G Champion models, an 18" steering wheel and new steering post bracket assembly, Part No. 290290, were used. This bracket places the bottom of the 18" steering wheel at the same height from the seat cushion as the 17" steering wheel was on previous Champion models. On the 8G Champion models, this resulted in placing the top of the steering wheel approximately 1" higher than on the 6G and 7G Champion models.

To accommodate those drivers who desire the steering wheel lower at the top, a steering post bracket assembly, Part No. 284646, can be installed to lower the wheel one-half inch.

If it is desired to lower the wheel on standard 8G Champion models one full inch from the original position, steering post bracket assembly, Part No. 290226, can be installed.

It should be remembered, and drivers so advised, that in lowering the standard 8G Champion steering wheel either one-half or one full inch at the top will decrease the clearance between the bottom of the wheel and the seat cushion an equal amount.



# TRUCK SERVICE Information

## FRAME REAR SPRING BUMPER AND REAR SPRING PART NUMBERS 2R15, 2R16A, 2R17A

*Please record this article on page 185 of your 2R Series Trucks Shop Manual.*

To prevent the possibility of the frame striking the rear axle housing, a rear spring rubber bumper entered production with truck Serial Nos. 2R15-7072, 2R16A-17194, and 2R17A-9943. The rubber bumper is attached to the lower flange on the frame side rail above the axle on each side of the truck.

At the same time it was necessary to place more camber in the rear main and auxiliary spring assemblies to provide sufficient clearance for the rubber bumpers. Therefore, it will be necessary to have the correct serial number when ordering replacement spring assemblies since earlier production and service spring assemblies cannot be used on trucks with serial numbers on and after those given above.

The new rear main and auxiliary spring assemblies are as follows:

Part No.	Model	Part Name
678842	2R15-21	Rear Main Spring Assembly
678846	2R15-31	Rear Main Spring Assembly
678840	2R15-21	R. Main & Auxiliary Assy.
678844	2R15-31	R. Main & Auxiliary Assy.
678803	2R16A	R. Main & Auxiliary Assy.
678804	2R16A (HD) 2R17A	R. Main & Auxiliary Spring Assembly
678800	2R16A	R. Main Spring Assembly
678801	2R16A (HD)	R. Main Spring Assembly
678799	2R16A	R. Auxiliary Spring Assembly
677070	2R16A (HD)	R. Auxiliary Spring Assembly

The above springs are available from your nearest Studebaker parts depot.

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## STEERING GEAR ASSEMBLY ALIGNMENT - FLAT-FACED COWL

Please record this article on page 198 of your 2R Series Trucks Shop Manual.

Below is a reprint of Truck Service Letter No. 87 which may now be discarded from your files.

Many chassis are being delivered with flat-faced cowl for special body installations, such as school bus, milk delivery, step in, package delivery, etc. In most cases the bodies are built as a unit and installed when the chassis is received.

The space between the flat-faced cowl and the windshield section of the body is usually sealed with rubber weatherstripping. To assure a satisfactory seal at this point it may have been necessary to shift the cowl. Should this occur, a strain is placed on the steering post assembly and unless it is relieved, may result in the failure of this assembly.

Therefore it is highly important that the steering gear assembly alignment at the dash bracket be checked as follows before delivery of the vehicle to the owner:

Remove the steering gear bracket to dash bolts. If force is required to align the bracket, loosen the three steering gear assembly to frame bolts and stud nut. In most cases, this will permit the steering gear assembly to align itself and permit the ready installation of the steering gear bracket to dash bolts.

In the event that steering gear assembly bracket to dash alignment cannot be obtained by loosening the three steering gear assembly to frame bolts and stud nut, it will be neces-

sary to remove these bolts and nut and elongate the slotted holes until correct alignment is obtained.

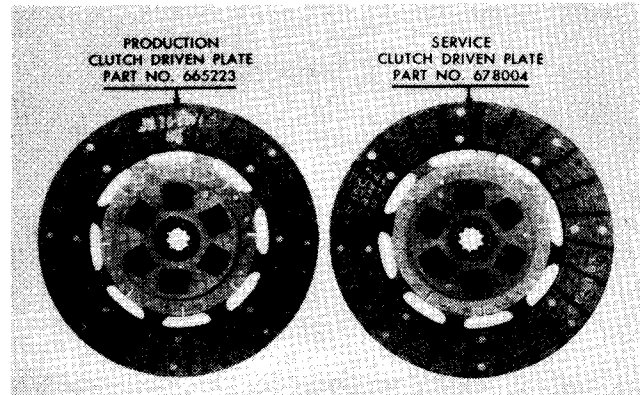
After correction is made be sure to tighten all bolts securely.

## CASTER SHIMS TO RAISE LEFT FRONT CORNER OF 2R5

Please record this article on page 198 of your 2R Series Trucks Shop Manual.

To raise the left front corner of early production 2R5 models, install two additional caster shims, Part No. 677783, between the spring and the original caster shim, so that the thick end of one of the new shims is adjacent to the thin end of the other new shim. It will be necessary when making this installation to use two new U-bolts, Part No. 677544X2, to assure enough threads to take the full nut height.

When the additional shims and U-bolts are properly installed the left front corner of the truck will be raised approximately 1/2".



## CLUTCH DRIVEN PLATE FACING - M16, 2R16, 2R17

Please record this article on page 49 of the 2R Series Trucks Shop Manual.

On downgrades in hilly or mountainous localities some drivers may coast their trucks in low gear ratios with the clutch released. In such cases it is possible that the facings of the clutch driven plate may disintegrate or the facing rivets shear as a result of the excessive centrifugal force.

For service replacement in such cases, the clutch driven plate assembly, Part No. 678004 (shown at the right in the accompanying illustration) should be used. The facings in this plate are especially designed to withstand abnormal centrifugal force due to excessive engine revolutions.



### CORNWELL SERVICE TOOLS

Mailed with this issue of the Service Bulletin is a folder listing service tools and equipment manufactured by The Cornwell Quality Tools Company of Mogadore, Ohio, and sold through the Cornwell distributors listed on the back page of the folder.

Dealers interested in purchasing any of the items listed in this folder should contact the nearest Cornwell distributor.

*NOTE.--Export dealers may order from The Studebaker Export Corporation.*

### VAN NORMAN BRAKE DRUM LATHE

Enclosed with this issue of the service Bulletin is a catalogue insert sheet of the Model No. 300 Van Norman Brake Drum Lathe.

This lathe is designed for use on passenger cars and light trucks and includes many features described on the sheet.

These lathes are sold through tool and equipment jobbers. Prices and further information should be obtained from your regular jobbing contacts.

*NOTE.--Export dealers may order from The Studebaker Export Corporation.*

### NEW MONOXIVENT FOR UNDERFLOOR EXHAUST ELIMINATION

Kent-Moore's new Monoxivent underfloor exhaust eliminating set, J2980, is described in the folder enclosed with this issue of the Service Bulletin.

The new model Monoxivent incorporates several features not found on former models, such as stainless steel, asbestos packed flexible tubing; aluminum cast floor outlet with a piano-hinged steel plate door; a packing seal which prevents escape of building heat and serves to lubricate the flexible hose; and a funnel shaped tailpipe adapter which is slotted

to accommodate exhaust analyzer equipment while the Monoxivent system is in operation.

Three sizes of power blower are also offered for use with Monoxivent, the size to be used in a specific installation depending upon the size of the building, number of Monoxivent floor outlets, and requirements of local health department and building codes.

An order blank is provided for the use of dealers in the United States. Export dealers should order from The Studebaker Export Corporation.

### INTERCOMMUNICATION SYSTEMS SAVE TIME, BOOST EFFICIENCY

Every automobile dealership, whether large or small, can increase efficiency of its entire personnel through the installation of an interconnected communication and paging system such as described in the enclosed Executone folder.

By strategically locating the stations, which consist of a transmitter and receiver in one unit, much time can be saved in checking work progress on cars in the service department; in ordering parts for the mechanics; in checking availability of time to take on new work; in paging personnel in shop or office; in ordering movement of cars to or from new or used car show or storage areas; and, in fact, in any situation where immediate verbal conference between two or more employees located in various parts of the dealership is desirable.

An instantaneous check on a customer's car, for example, between the telephone operator, the service manager and the mechanic working on the car, will give the customer the information he wants without asking him to hang up his telephone and wait until he is called back.

In the showroom and business offices, too, intercommunication systems promote efficiency by saving time and promote good will by giving customers information they want without having to wait until someone is located by a walk through the building. Outside telephone calls do not have to be delayed, get the busy signal, or asked to call back, if the intercommunication is used for all communication within the building.

For those dealers who are setting up dispatcher or control tower systems of service work control and scheduling, an intercommunication system is essential. In the enclosed folder is also shown the Executone signal light system which can be coordinated with the intercommunication system to give full range dispatcher control.

A stamped business reply card is included with the Executone folder. Dealers (in the United States only) need only check the desired information on the back of the card, sign their names and addresses, and complete data or demonstration will be furnished.