



# Restoration Resources

## D.S.O. (Domestic Special Order) Article From December 1966 Shop Tips

*Shops Tips* was a monthly publications sent out from Ford Motor Company to dealerships specifically to communicate with the shop and parts counter workers. It often covered new things that needed to be brought to their attention, release of new car models, options or problems as well as handy tips that helped address common problems Ford was hearing about.

This article was published to help dealerships and shops identify special order vehicles and the parts that made up the vehicles that may come into the dealership for work or other reasons. In turn it also helps understand so of the details of ordering a car under the Domestic Special Order provisions.

Since this was published in 1966 it refers to special paint codes starting with MX. This changed to the prefix WT in 68 production and onward during the classic years of Mustang production.

There is a list of the revised fleet color codes from 1972 in the Library of CMF in the TSB section under the title *Revised Fleet Color Repair Paint Code Numbers*.

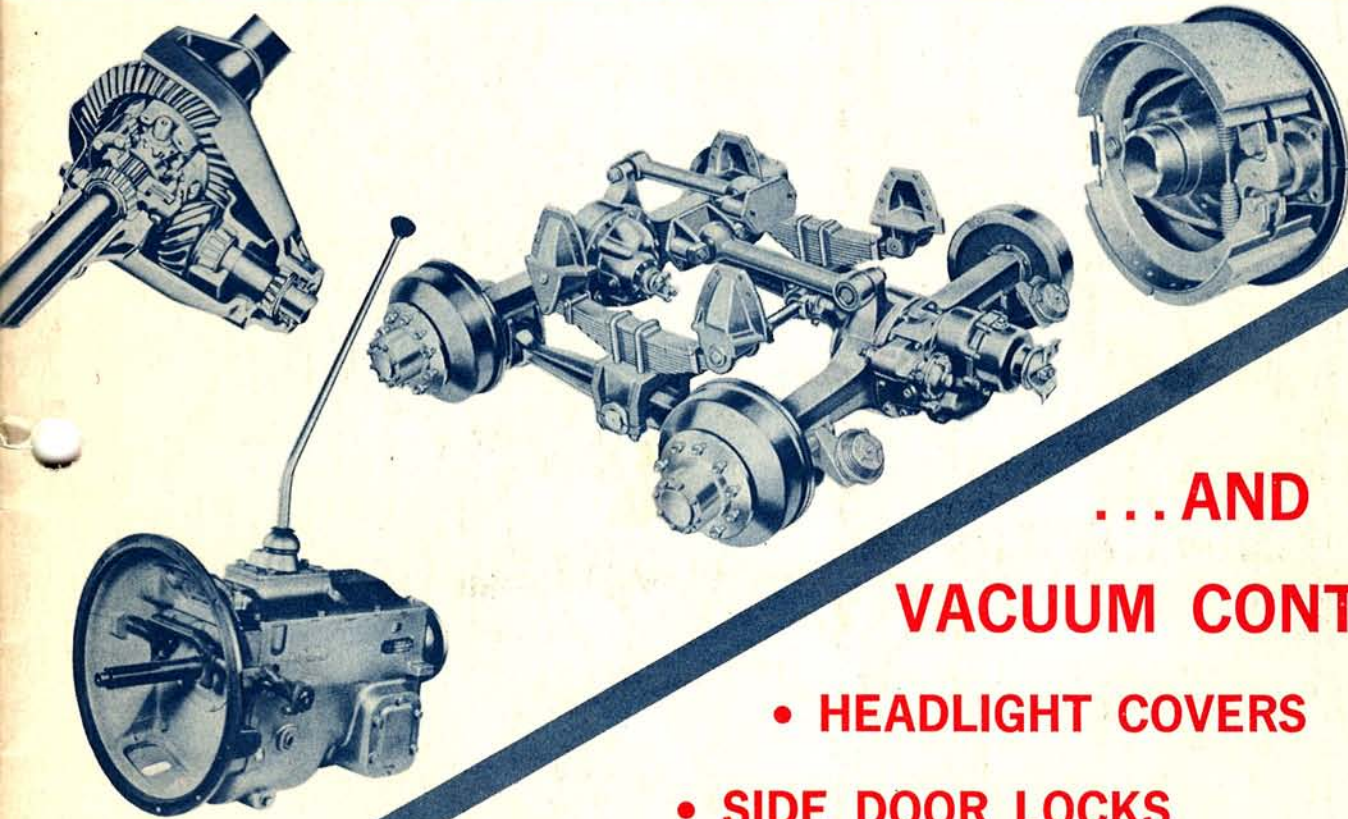




# SHOP TIPS FROM

# FORD

## ALL ABOUT D.S.O. (SPECIAL ORDER) PARTS...



... AND

**VACUUM CONTROLLED**

- HEADLIGHT COVERS
- SIDE DOOR LOCKS
- LUGGAGE COMPARTMENT LOCKS

**PLUS...**

**OTHER TIMELY SERVICE INFORMATION**

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# HOW TO IDENTIFY AND ORDER D. S. O.

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Be sure and file this and future bulletins for ready reference. If you have any suggestions for additional information that you would like to see included in this publication, please write to: Ford Division of Ford Motor Company, Parts and Service Promotion and Training Dept., P.O. Box 598, Dearborn, Michigan 48121.

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## INTRODUCTION

Ever increasing numbers of Ford Trucks . . . and Passenger Cars used for commercial purposes such as taxicabs, police cars, emergency vehicles, etc.; have special equipment installed to meet the requirements of special operating conditions. This equipment is available in three categories—R.P.O. (Regular Production Option), L.P.O. (Limited Production Option), and D.S.O. (DOMESTIC SPECIAL ORDER).

Service replacement parts for R.P.O. and L.P.O. items are usually easily identified, ordered, and quickly obtained. However, because of the highly specialized nature of many D.S.O. parts, special ordering and handling procedures are necessary.

The first, and most important step is correct identification of the part to help your Ford Dealer promptly process the order. This is especially important with D.S.O. vehicles, since these vehicles are usually "business vehicles" and their continuous operation is a matter of profit or loss to their owners. "Down time" for repairs can be very costly to the owners of such vehicles.





# (DOMESTIC SPECIAL ORDER) PARTS

## IDENTIFYING D.S.O. VEHICLES

Trucks and any passenger cars that are, or have been, used for commercial purposes should be considered as possibly being equipped with special order parts. Positive identification of factory-installed D.S.O. parts can be made as follows: A D.S.O. code number has been stamped into the *truck* rating plate (Figure 1), since 1957, and into *passenger car* warranty (patent) plates beginning in 1962. The identification plate is located as follows:

- **Passenger Cars, Falcon Club Wagons, Econolines**—Located on the lock-face of the left front door, or on the left front body pillar.
- **Trucks**—Located on the lock-face of the left front door, or the upper cowl panel in the engine compartment, or the inner side of the glove box door, or the right hand side of the radiator support.
- **Bronco**—Located on the inner left side cowl panel near the clutch pedal.



Figure 1—D.S.O. Number Stamped Into Warranty Plate

As an example, a typical D.S.O. number might be 11-0645. The 11 indicates the district (in this case Boston) in which the vehicle was delivered. The 0645 means this vehicle was the 645th special vehicle order delivered in the district that year and it has a special equipment parts list available with the same number. NOTE: On some vehicles you may find a plate with a D.S.O. number such as 11-, without a second set of numbers. This is a standard vehicle without special order parts. The number (11) refers only to the district (Boston) in which a standard vehicle was delivered.

### Special D.S.O. Identification Tag On Heavy Duty Trucks

As an additional aid in identifying special order parts and assemblies on heavy duty trucks, the Louisville assembly plant began using a new type of identification plate in November, 1964.

This identification plate (Figure 2) is in the form of a

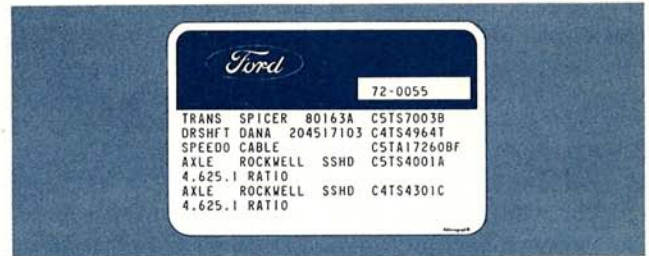


Figure 2—Plastic Identification Plate for Heavy Duty Trucks

plastic card which is affixed to the inside panel of the left-hand door. It identifies the major special order assemblies of all D.S.O. trucks.

### D.S.O. Special Equipment Parts List

In addition to the D.S.O. code number stamped into the warranty plate, all D.S.O. vehicles delivered since January, 1962, have a *blue* envelope in the glove box, which contains a copy of the Special Equipment Parts List for that individual vehicle (Figure 3). The selling dealer also has a copy of the Special Equipment Parts List in a *yellow* envelope. The yellow envelope is filed in the selling dealer's parts department as a permanent record of the special parts and assemblies used on that vehicle.

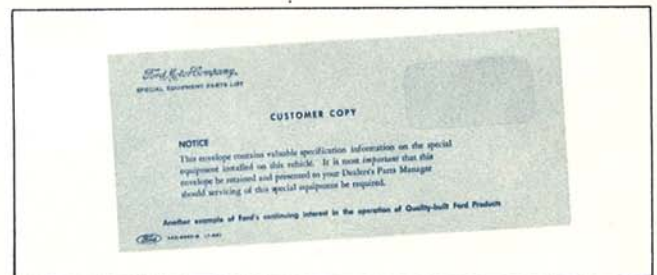


Figure 3—Blue Envelope Containing Special Equipment Parts List

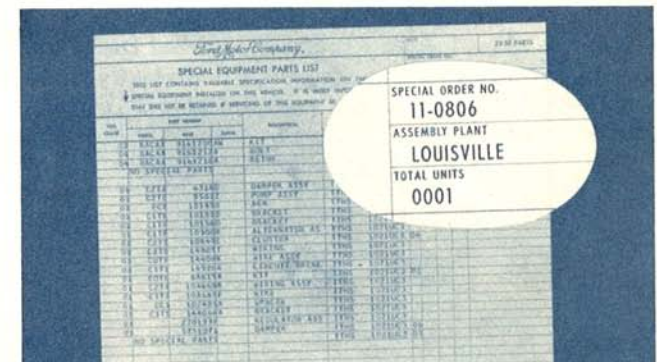


Figure 4—Special Equipment Parts List

The Special Equipment Parts List (Figure 4) is headed by the Special Order Number, which is also the D.S.O. number for that particular vehicle. As with the D.S.O. number on the warranty plate, the first part of the number designates the District, and the second part the order num-



# HOW TO IDENTIFY AND ORDER D. S. O.

ber. Figure 4 shows a vehicle that was the 806th D.S.O. vehicle order processed for the Boston District.

By using the Special Equipment Parts List, which gives the part number of every special part installed on that particular vehicle, it should be possible to quickly identify and order parts from your Ford Dealer, for any vehicle delivered after January, 1962.

However, what do you do if the Special Equipment Parts List is missing, or there is no D.S.O. number? In that case, individual parts or assemblies must be inspected, and any identifying marks given to your Ford Dealer. The parts man can then cross-reference the part in his master parts catalog.

## IDENTIFYING D.S.O. PARTS

If the D.S.O. number is not available, most parts and assemblies can be identified by individual numbers. For instance, since 1957, identification tags have been attached to all WIRING LOOMS at the factory to indicate the production or engineering number. Note the tag in Figure 5 bears the identifying number C3AB-14A032-V.



Figure 5—Identifying Wiring Looms

With the wiring loom tag number, your Ford Dealer can cross-reference this part in his master parts catalog (Figure 6) to obtain the correct service replacement part number, C3AZ-14401-V.

Likewise, many other D.S.O. parts and assemblies such as

DESCRIPTION	PART NUMBER	QTY	UNIT PRICE	TOTAL PRICE
A 1958-1960, with generator	C3AB 14401A	1		C3AB 14401A
A 1958-1960, with generator	C3AB 14401B	1		C3AB 14401B
A 1958-1960, with generator	C3AB 14401C	1		C3AB 14401C
A 1958-1960, with generator	C3AB 14401D	1		C3AB 14401D
A 1958-1960, with generator	C3AB 14401E	1		C3AB 14401E
A 1958-1960, with generator	C3AB 14401F	1		C3AB 14401F
A 1958-1960, with generator	C3AB 14401G	1		C3AB 14401G
A 1958-1960, with generator	C3AB 14401H	1		C3AB 14401H
A 1958-1960, with generator	C3AB 14401I	1		C3AB 14401I
A 1958-1960, with generator	C3AB 14401J	1		C3AB 14401J
A 1958-1960, with generator	C3AB 14401K	1		C3AB 14401K
A 1958-1960, with generator	C3AB 14401L	1		C3AB 14401L
A 1958-1960, with generator	C3AB 14401M	1		C3AB 14401M
A 1958-1960, with generator	C3AB 14401N	1		C3AB 14401N
A 1958-1960, with generator	C3AB 14401O	1		C3AB 14401O
A 1958-1960, with generator	C3AB 14401P	1		C3AB 14401P
A 1958-1960, with generator	C3AB 14401Q	1		C3AB 14401Q
A 1958-1960, with generator	C3AB 14401R	1		C3AB 14401R
A 1958-1960, with generator	C3AB 14401S	1		C3AB 14401S
A 1958-1960, with generator	C3AB 14401T	1		C3AB 14401T
A 1958-1960, with generator	C3AB 14401U	1		C3AB 14401U
A 1958-1960, with generator	C3AB 14401V	1		C3AB 14401V
A 1958-1960, with generator	C3AB 14401W	1		C3AB 14401W
A 1958-1960, with generator	C3AB 14401X	1		C3AB 14401X
A 1958-1960, with generator	C3AB 14401Y	1		C3AB 14401Y
A 1958-1960, with generator	C3AB 14401Z	1		C3AB 14401Z

Figure 6—Wiring Loom Service Part Number

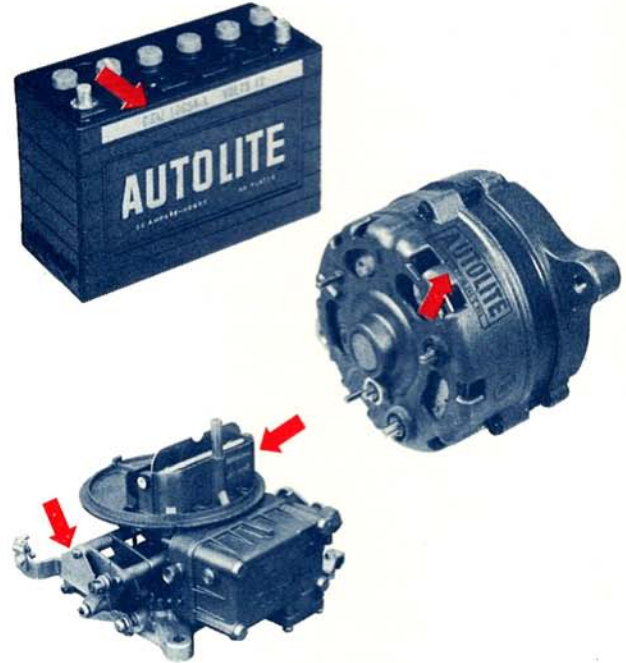


Figure 7—Identifying D.S.O. Parts

Alternators, Batteries and Carburetors (Figure 7) are either tagged, stenciled or have a manufacturer's production number stamped on the assembly for cross-reference in the Ford master parts catalog.

## Internal Parts

Internal parts of major assemblies can also be identified by marks or other means. Figure 8 shows a number of ways manufacturers identify rear axles. This type of identification has been placed on Ford Trucks since 1957.

If the external markings can not be read, or have been lost, look for markings on the individual parts (Figure 9). Most parts bear individual parts numbers such as that shown on the ring gear in Figure 9. This number can be cross-referenced in the Ford master parts catalog to the correct service part number.



Figure 9—Identification Marks on Internal Parts



# (DOMESTIC SPECIAL ORDER) PARTS

## REAR AXLE IDENTIFICATION CHART

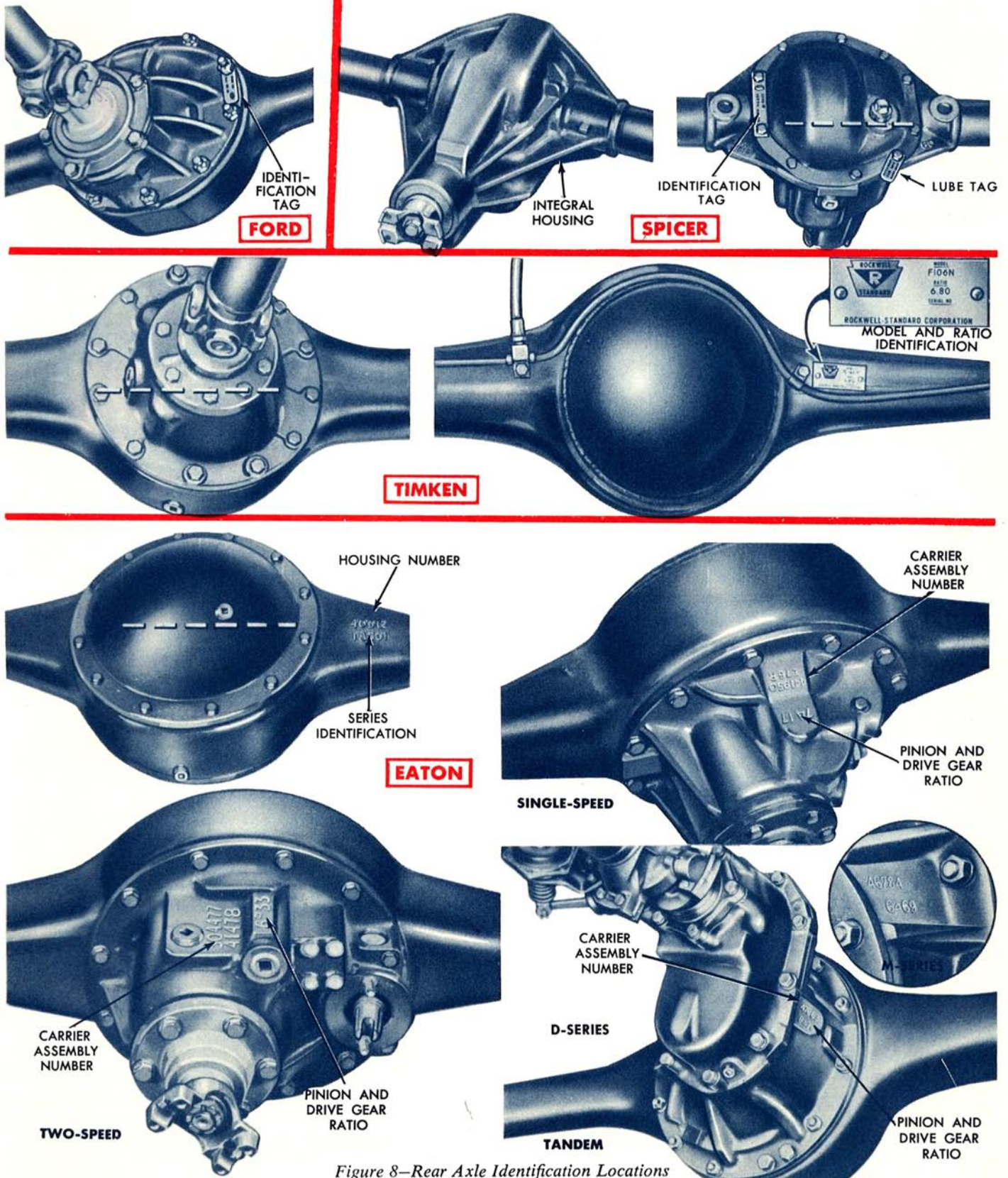


Figure 8—Rear Axle Identification Locations



# HOW TO IDENTIFY AND ORDER D. S. O.

Many parts and assemblies that were originally released as Regular Production Options, have become Domestic Special Order ONLY because they are used in a special, or non-standard, application. As an example, a standard rear axle for an F-700 might be installed in an F-600 (Figure 10). This would make it a D.S.O. part in the F-600. This axle will be



Figure 10—Standard Parts Used as Special Order Parts

identified by its stamping or tag number. If you have a part that is an R.P.O. item which is used for a D.S.O. application, order the assembly or any of its parts under the standard service part number. Otherwise, order it by its stamping or tag number.

## Identifying Transmission Parts



Figure 11—Typical Transmission Manufacturers' Identification Marks

Vendors' or manufacturers' trade names and production numbers are generally used to identify special assemblies such as transmissions (Figure 11). Again, these names are cross-referenced in the Ford Dealers' master parts catalog.



Figure 12—Transmission Identification Number

As an example, a transmission might be identified as a 6D3K (Figure 12). On this 6D3K special transmission, the plate attached to the assembly bears the marking 300449-8, and 6352-B (Figure 13).



Figure 13—Transmission Identification Plate

The numbers 6D3K, 300449-8, and 6352-B can be cross-referenced in the Ford master parts catalog to determine that this transmission is serviced under Ford Part No. C6TA-7003-K, and that its individual part numbers may be obtained from Transmission Parts List No. 11V (Figure 14).

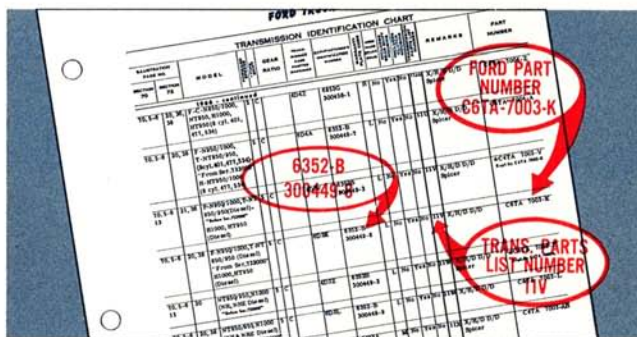


Figure 14—Transmission Service Parts List

## D.S.O. SPECIAL PAINTS AND TRIM

Many vehicles, such as used in fleets, have their own unique paint color (Figure 15). The paints used by the assembly plants for these special colors are given "MX" part numbers. However, these paints are the high-temperature drying type, and are not suitable for use by dealers or customers, because of the special drying equipment required for application. This is true even if facilities for baked enamel paint are available.

However, Ford makes special service paints available in *air-dry enamels* and in *lacquer*, in the following manner:

- Fleets painted with special paint colors have the number "7" as the first digit of the fleet paint number on the Special Equipment Parts List. A typical fleet paint number might be MX-706314 (Figure 16). However, this paint is not available for service as explained above.
- To obtain this paint color for service, in *air-dry enamel*, the first digit "7" is changed to a "6". In this case the air-dry enamel service paint number is MX-606314.
- To order this special paint in *lacquer*, the first digit is changed to "5". The lacquer service paint number is MX-506314.

The minimum order for all special paint is ONE QUART.



# (DOMESTIC SPECIAL ORDER) PARTS



Figure 15—Special Fleet Colors



Figure 16—Special Fleet Paint Number

## Trim Materials

To order trim materials to service taxicabs, police cars, fleet cars and truck seats and upholstery, give your Ford Dealer the model and year of vehicle, and he can find the correct part number in the *Special Soft Trim Identification Chart* in the master parts catalog.

## How To Order D.S.O. Parts—In Review

### If The Special Equipment Parts List Is Available:



Figure 17—Use Special Equipment Parts List In Blue Envelope

Every D.S.O. vehicle delivered after January, 1962 should have its individual Special Equipment Parts List in a blue envelope (Figure 17) in the glove box, or the owner's files. Get the part number of the required special part from this list.

### If The Parts List Is Not Available:

If the vehicle is a 1957 or later model truck, or a 1962 or later model passenger car, the D.S.O. number will be stamped into the warranty plate (Figure 18). Give this number to your Ford Dealer to order special parts for that vehicle.

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Figure 18—Use D.S.O. Number from Warranty Plate

### If The D.S.O. Number Is Not Available:

Most individual parts or assemblies are stamped, stenciled, or tagged with the manufacturers' part number (Figure 19). Give this part number to your Ford Dealer and he can cross-reference it with the correct service part number in his master parts catalog.

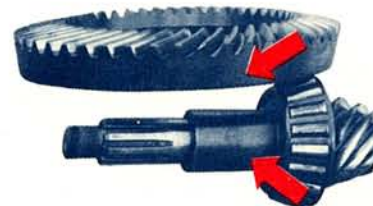


Figure 19—Identifying Marks on Internal Parts

### If A D.S.O. Part Is Interchangeable With An R.P.O. Part:

If a Domestic Special Order part is the same as a Regular Production part, then the D.S.O. part may be ordered under the *original* service part number (Figure 20).

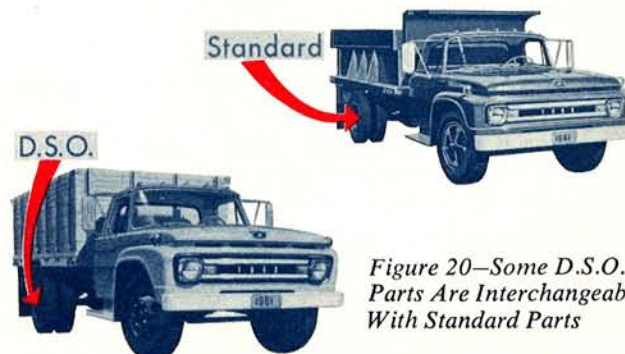


Figure 20—Some D.S.O. Parts Are Interchangeable With Standard Parts

Regardless which situation applies, the key to fast service is correct identification. Furnished with a good identification of the D.S.O. part you need, your Ford Dealer can help you minimize delays and down time. His aim is better service on all types of parts, including D.S.O. parts.