

SERVICE BULLETIN

1952
PASSENGER CARS



SERVICE DEPARTMENT
DODGE
DIVISION OF CHRYSLER CORPORATION

TO ALL DODGE DIRECT DEALERS AND DEALERS:

Occasionally Dealers' Service Departments are confronted with repairs to rear axle housing, such as leaking housings, broken covers, loose or broken spring seats, etc., that are usually repaired by arc welding.

Rear axle assemblies as such, do not lend themselves to satisfactory arc welding operation.

In using the arc welding method for repairs to the axle housing, it is necessary to disassemble the axle assembly to avoid damage to the bearings and bearing cups as well as possible damage to the ring gear and pinion teeth.

The reason for this is the necessary clearance between bearing cups and cones as well as between the ring gear teeth and the corresponding pinion teeth.

The clearance gaps permit an arc to occur between the related parts and, as a result, the adjoining surfaces are damaged and may appear as if they were "Brimelled".

If time does not permit disassembly of the rear axle before welding, then a gas weld should be used instead of an arc weld.

Grounding the arc welding current is not found to be effective in preventing such damage.

B. B. SETTLE
Director of Service
DODGE DIVISION

Dec. 3, 1951

No. D-7

AXLE REAR

Rear Axle

Housing Repair

MODELS:

Passenger Cars

READ & CHECK

DEALER

MANAGER

SERVICE MGR.

PARTS MGR.

MECHANICS

1094

Prtd. in U.S.A.

SERVICE BULLETIN

PASSENGER CARS



SERVICE DEPARTMENT
DODGE

DIVISION OF CHRYSLER CORPORATION

TO ALL DODGE DIRECT DEALERS AND DEALERS:

Two types of differential side gears and pinions are being used in the D-41 and D-42 Model Dodge cars.

Differential pinion Part #663478 and side gear Part #663477 (which have a pressure angle of 20°) are serviced under Part No. 867854 Pinion and 867853 side gear.

Differential pinion Part 1137208 and side gear Part #1137209 (which have a pressure angle of 23 3/4°) and are available through the Parts Plant.

Obviously, these gears are not interchangeable individually but can be used in mated sets.

There is no way in which to determine which type of gears are in any specific rear axle until the rear axle differential assembly is removed from the vehicle and disassembled.

The gears can be identified by the length of the tooth face and the shape of the pinion tooth will also assist in identifying the two types.

(Over)

Dec. 3, 1951

No. D-8

REAR AXLE

Differential

Pinions and

Side Gears

MODELS:

D41 - D42

READ & CHECK

DEALER	
MANAGER	
SERVICE MGR.	
PARTS MGR.	
MECHANICS	

1095

Prt. in U.S.A.

Dec. 3, 1951

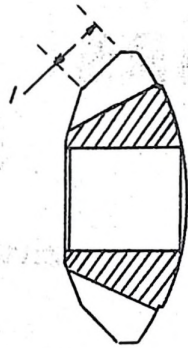
No. D-8

REAR AXLE

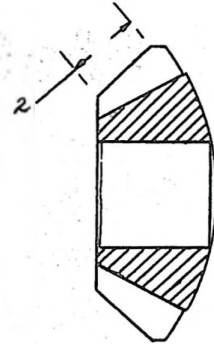
Differential
Pinions and
Side Gears

MODELS:

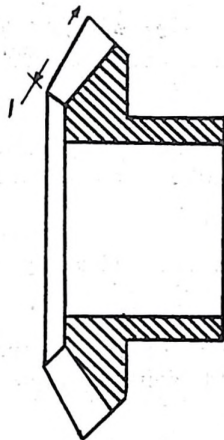
D41 - D42



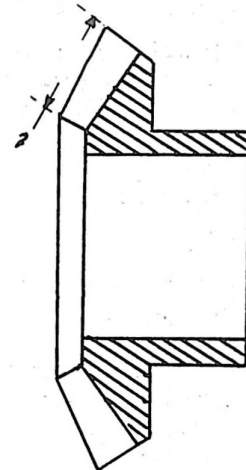
DIFF. PINION # 113720B



DIFF. PINION # 66347B



DIFF. SIDE GEAR # 1137209



DIFF. SIDE GEAR # 663477

FIGURE 1

LENGTH OF TOOTH WORKING FACE

#1 - $39/64$ "

#2 - $23/32$ "

B. B. SETTLE
Director of Service
DODGE DIVISION

SERVICE BULLETIN

PASSENGER CARS



SERVICE DEPARTMENT
DODGE

DIVISION OF CHRYSLER CORPORATION

TO ALL DODGE DIRECT DEALERS AND DEALERS:

July 3, 1951

No. D-24

Two types of differential side gears and pinions are being used in the D-41 and D-42 Model Dodge cars.

REAR AXLE

Differential pinion Part #663478 and side gear Part #663477 (which have a pressure angle of 20°) are serviced under Part No. 867854 Pinion and 867853 side gear.

Differential

Differential pinion Part 1137208 and side gear Part #1137209 (which have a pressure angle of 23°3') and are available through the Parts Plant.

Pinions and

Side Gears

Obviously, these gears are not interchangeable individually but can be used in mated sets.

MODELS:

There is no way in which to determine which type of gears are in any specific rear axle until the rear axle differential assembly is removed from the vehicle and disassembled.

D41 - D42

The gears can be identified by the length of the tooth face and the shape of the pinion tooth will also assist in identifying the two types.

READ & CHECK

DEALER

MANAGER

SERVICE MGR.

PARTS MGR.

MECHANICS

(over)

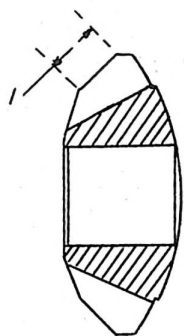
7960

Prtd. in U.S.A.

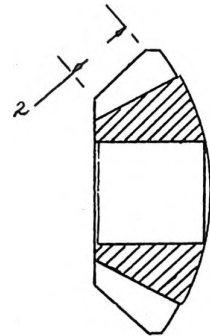
July 3, 1951

No. D-24

REAR AXLE
Differential
Pinions and
Side Gears



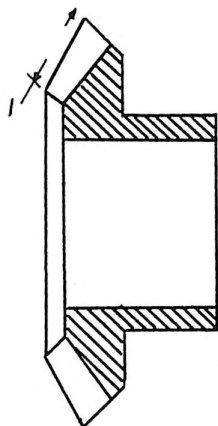
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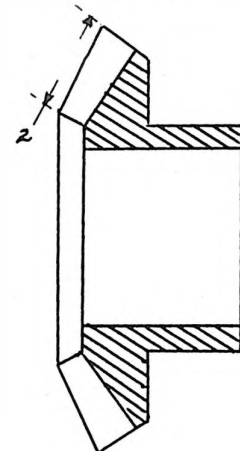
DIFF. PINION # 663478

MODELS:

D41 - D42



DIFF. SIDE GEAR # 1137209



DIFF. SIDE GEAR # 663477

v: D 132 94

FIGURE 1

LENGTH OF TOOTH WORKING FACE

#1 - 39/64"

#2 - 23/32"

B. B. SETTLE
Director of Service
DODGE DIVISION