

DRIVETRAIN GUIDE

HOW CAN I IDENTIFY MY DRIVETRAIN

HOW TO CHOOSE THE APPROPRIATE GEAR RATIO

You will need to decide on the appropriate gear ratio that best suits your needs. Whenever you change tire size from the original size or from one size to another, this will have a direct effect on power and drivability. The chart below will help you to select the optimum gear ratio to bring the power and torque back to where you want them. Using the chart, first determine what your original gear ratio and tire size are then follow the lines to find your approximate RPM at 65 MPH. Next find the new tire size on the left of the chart and look across to find the RPM closest to your original; the ratio listed at the top of that column will be your first choice for ratio. If you are interested in a change that will give more power or better mileage use the shaded coding as a guide.

Note: Bearings are a wear item, and thus we strongly recommend replacing them when installing a new ring & pinion set. We offer Master Overhaul Kits that include all the necessary items to set up a ring and pinion including carrier & pinion bearings. For newer vehicles, or vehicles that have been recently serviced, we also offer installation kits that include all the items of our Master Overhaul Kits, less the bearings.

THE FOLLOWING ARE SOME GUIDES TO HELP YOU WITH YOUR DRIVE TRAIN DECISION:

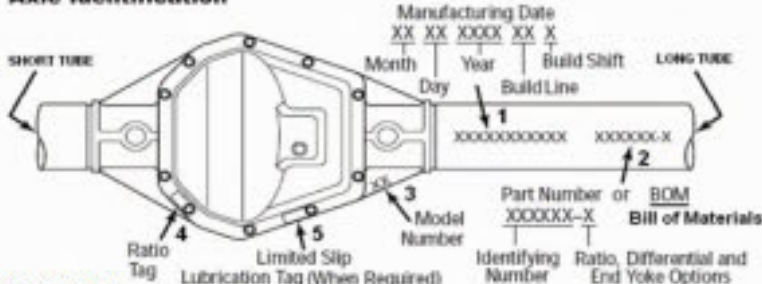
HOW TO IDENTIFY YOUR AXLE HOUSING

First you need to identify the axle model and gear ratio that are currently installed in your vehicle. Every vehicle has different options that determine the type of axle assembly and ratio available for any particular vehicle, and this information is imperative to find the correct parts. You can use the chart on page as a guide to the common assemblies for your vehicle. We strongly recommend that you visually identify your axle assembly. The following are some guides to help identify the model. Also, the catalog pages have images such as the differential cover outline to help confirm your selection.

HOW TO IDENTIFY A SPICER AXLE

All Spicer Carrier Type axles are identified with a manufacturing date (1) and a Bill of Materials number (2) stamped on the axle tube to the right of the differential cover. The axle model number will be cast into one of the webs as shown (3), or it can be on the nose. Each axle contains a gear ratio tag (4), and if the axle is equipped with limited slip differential, it will have a tag specifying the type of limited slip lubricant to be used (5).

Axle Identification



BILL OF MATERIAL (BOM)

The diagram above shows the location of different I.D. numbers that will ensure that you get the right parts for your axle. The Bill of Materials (BOM) number (2) is crucial for certain parts. Be sure to have this number handy when ordering parts. If the BOM number is covered in grease or dirt, DO NOT clean with a wire brush. This could remove the numbers and make identifying the axle nearly impossible.

HOW TO READ A FORD DIFFERENTIAL TAG



HOW TO READ A GM AXLE RATIO CODE

GM Axle Codes are found in vehicle grovebox on Build Sticker

SERVICE PARTS IDENTIFICATION	DO NOT REMOVE
3GNEC12057XXX	130 J2HKS CC30938
ACT AG1 A/J ALD AP6 A75 AUB AXP A30 AXC B30	
B41 B56 C10 C49 C5W D75 D85 D9K DLR D73 EN4	
E9A E9B E9C E9D E9E E9F E9G E9H E9I E9J E9K E9L	
F24 F25 F26 F27 F28 F29 F30 F31 F32 F33 F34 F35	
G24 G25 G26 G27 G28 G29 G30 G31 G32 G33 G34 G35	
H24 H25 H26 H27 H28 H29 H30 H31 H32 H33 H34 H35	
I24 I25 I26 I27 I28 I29 I30 I31 I32 I33 I34 I35	
J24 J25 J26 J27 J28 J29 J30 J31 J32 J33 J34 J35	
K24 K25 K26 K27 K28 K29 K30 K31 K32 K33 K34 K35	
L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35	
M24 M25 M26 M27 M28 M29 M30 M31 M32 M33 M34 M35	
N24 N25 N26 N27 N28 N29 N30 N31 N32 N33 N34 N35	
O24 O25 O26 O27 O28 O29 O30 O31 O32 O33 O34 O35	
P24 P25 P26 P27 P28 P29 P30 P31 P32 P33 P34 P35	
Q24 Q25 Q26 Q27 Q28 Q29 Q30 Q31 Q32 Q33 Q34 Q35	
R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35	
S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35	
T24 T25 T26 T27 T28 T29 T30 T31 T32 T33 T34 T35	
U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35	
V24 V25 V26 V27 V28 V29 V30 V31 V32 V33 V34 V35	
W24 W25 W26 W27 W28 W29 W30 W31 W32 W33 W34 W35	
X24 X25 X26 X27 X28 X29 X30 X31 X32 X33 X34 X35	
Y24 Y25 Y26 Y27 Y28 Y29 Y30 Y31 Y32 Y33 Y34 Y35	
Z24 Z25 Z26 Z27 Z28 Z29 Z30 Z31 Z32 Z33 Z34 Z35	

BC/CC U 213M

G82: AXLE REAR, LOCKING DIFFERENTIAL POSI

G14: AXLE REAR, 3.08 RATIO

G15: AXLE REAR, 3.23 RATIO

G16: AXLE REAR, 3.42 RATIO

G17: AXLE REAR, 3.73 RATIO

G18: AXLE REAR, 4.10 RATIO

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