

# Differential Identification

## AMC / Jeep (early)



### Model 20

Ring Gear Diameter: 8.875"  
Pinion Diameter / Spline: 1.625" / 28  
Ring Gear Bolts: (8) 7/16"x20  
Cover Bolts: 12  
Carrier Breaks: 2.76 / 3.07



### Model 35

Ring Gear Diameter: 7.562"  
Pinion Diameter / Spline: 1.406" / 26  
Ring Gear Bolts: (8) 7/16"x20 RH  
Cover Bolts: 10

## Chrysler / Dodge / Jeep (late) / Plymouth / Ram



### Chrysler 7.25"

Ring Gear Diameter: 7.25"  
Pinion Diameter / Spline: 1.375" / 27  
Ring Gear Bolts: (10) 3/8"x24 LH  
Cover Bolts: 9 or 10  
Carrier Breaks: 2.47 / 2.76



### Chrysler 8.0" -Front -'00+ Dakota, Durango; 02+ 1500

Ring Gear Diameter: 8.0"  
Pinion Diameter / Spline: 1.406" / 26  
Ring Gear Bolts: (10) 3/8"x24 LH  
Cover Bolts: 10  
Carrier Breaks: None



### Chrysler / Jeep 8.25" & 8.375"

Ring Gear Diameter: 8.25"  
Pinion Diameter / Spline: 1.626" / 27  
Ring Gear Bolts: (10) 3/8"x24 ('04 and Earlier)  
Ring Gear Bolts: (10) 10mmx1.0 ('05 and Later)  
Cover Bolts: (10) '04 & Earlier; (12) '05 & Later  
Carrier Breaks: 2.45 / 2.56



### Chrysler 8.75" - Early 741 Case

Ring Gear Diameter: 8.75"  
Pinion Diameter / Spline: 1.375" / 29  
Ring Gear Bolts: (12) 3/8"x24 LH  
Cover Bolts: Dropout  
Carrier Breaks: None



### Chrysler 8.75" - Early 742 Case

Ring Gear Diameter: 8.75"  
Pinion Diameter / Spline: 1.750" / 10  
Ring Gear Bolts: (12) 3/8"x24 LH  
Cover Bolts: Dropout  
Carrier Breaks: None



### Chrysler 8.75" - Late 489 Case

Ring Gear Diameter: 8.75"  
Pinion Diameter / Spline: 1.875" / 29  
Ring Gear Bolts: (12) 3/8"x24 LH  
Cover Bolts: Dropout  
Carrier Breaks: None



### Chrysler 9.25" - Rear

Ring Gear Diameter: 9.25"  
Pinion Diameter / Spline: 1.875" / 29  
Ring Gear Bolts: (12) 7/16"x18 ('10 and Earlier)  
Ring Gear Bolts: (12) 14mmx1.0 ('11 and Later)  
Cover Bolts: 12  
Carrier Breaks: None



### Chrysler 9.25" (AAM) - Front - 2003 & up 3/4 and 1-Ton

Ring Gear Diameter: 9.25"  
Pinion Diameter / Spline: 1.875" / 30  
Ring Gear Bolts: (12) 12mm x 1.5 RH  
Cover Bolts: 14  
Carrier Breaks: None



### Chrysler 10.5" (AAM) - 2003 & newer RAM 2500 - 3500

Ring Gear Diameter: 10.5"  
Pinion Diameter / Spline: 1.750" / 30  
Ring Gear Bolts: (12) 14mmx1.5 LH  
Cover Bolts: 14  
Carrier Breaks: None



### Chrysler 11.5" (AAM) - 2003 & newer RAM 3500

Ring Gear Diameter: 11.5"  
Pinion Diameter / Spline: 2.0" / 30  
Ring Gear Bolts: (12) 14mmx1.5 LH  
Cover Bolts: 14  
Carrier Breaks: None

## Dana



### Dana 30 - Standard, Reverse Rotation, CS & TJ

Ring Gear Diameter: 7.20" / 181mm  
Pinion Diameter / Spline: 1.375" / 26  
Ring Gear Bolts: (10) 3/8"x24 RH  
Cover Bolts: 10  
Carrier Breaks: 3.54 / 3.73



### Dana Super 30

Ring Gear Diameter: 7.33" / 186mm  
Pinion Diameter / Spline: 1.375" / 26  
Ring Gear Bolts: (10) 3/8"x24 RH  
Cover Bolts: 10  
Carrier Breaks: 3.54 / 3.73



### Dana 44 - Standard & Reverse Rotation

Ring Gear Diameter: 8.5" / 216mm  
Pinion Diameter / Spline: 1.375" / 26  
Ring Gear Bolts: (10) 3/8"x24 or 7/16"x20 RH  
Cover Bolts: 10  
Carrier Breaks: 3.73 / 3.92



### Dana 44 - JK Rubicon Front

Ring Gear Diameter: 8.5" / 216mm  
Pinion Diameter / Spline: 1.625" / 24  
Ring Gear Bolts: (10) 7/16" or 1/2"x20 RH  
Cover Bolts: 10  
Carrier Breaks: 3.73 / 3.92



### Dana 50 - Ford Front

Ring Gear Diameter: 9" / 229mm  
Pinion Diameter / Spline: 1.375" / 26  
Ring Gear Bolts: (10) 7/16"x20 RH  
Cover Bolts: 10  
Carrier Breaks: None



### Dana 70

Ring Gear Diameter: 10.5"  
Pinion Diameter / Spline: 1.750" / 29  
Ring Gear Bolts: (12) 1/2"x18 RH  
Cover Bolts: 10  
Carrier Breaks: 4.10 / 4.56



### Ford 7.5"

Ring Gear Diameter: 7.5"  
Pinion Diameter / Spline: 1.625" / 28  
Ring Gear Bolts: (10) 7/16"x20 RH  
Cover Bolts: 10  
Carrier Breaks: None



### Dana 30 - JK

Ring Gear Diameter: 7.33" / 186mm  
Pinion Diameter / Spline: 1.625" / 24  
Ring Gear Bolts: (10) 7/16" or 1/2"x20  
Cover Bolts: 10  
Carrier Breaks: 3.54 / 3.73



### Dana 35

Ring Gear Diameter: 7.562"  
Pinion Diameter / Spline: 1.376" / 26  
Ring Gear Bolts: (8) 7/16"x20 RH  
Cover Bolts: 10  
Carrier Breaks: 2.35 / 2.73 / 3.54



### Dana 44HD - Corvette, Viper, Grand Cherokee

Ring Gear Diameter: 8.5" / 216mm  
Pinion Diameter / Spline: 1.625" / 29  
Ring Gear Bolts: (10) 3/8"x24 or 7/16"x20 RH  
Cover Bolts: 10  
Carrier Breaks: None



### Dana 44 - JK Rear

Ring Gear Diameter: 8.89" / 226mm  
Pinion Diameter / Spline: 1.625" / 24  
Ring Gear Bolts: (10) 7/16"x20 or 1/2"x20 RH  
Cover Bolts: 10  
Carrier Breaks: None



### Dana 60 - Standard or Reverse Rotation

Ring Gear Diameter: 9.75" / 248mm  
Pinion Diameter / Spline: 1.625" / 29  
Ring Gear Bolts: (12) 1/2"x18 RH  
Cover Bolts: 10  
Carrier Breaks: 4.10 / 4.56



### Dana 80

Ring Gear Diameter: 11.25"  
Pinion Diameter / Spline: 2.0" / 37  
Ring Gear Bolts: (12) 9/16"x18 RH  
Cover Bolts: 10  
Carrier Breaks: 3.73 / 4.10



### Ford 8"

Ring Gear Diameter: 8.0"  
Pinion Diameter / Spline: 1.188" / 25  
Ring Gear Bolts: (10) 7/16"x20 RH  
Cover Bolts: Dropout  
Carrier Breaks: None

## Ford

**Ford 8.8"**

Ring Gear Diameter: 8.8"  
 Pinion Diameter / Spline: 1.625" / 28  
 Ring Gear Bolts: (10) 7/16"x20 RH  
 Cover Bolts: 10  
 Carrier Breaks: None

**Ford 9.75"**

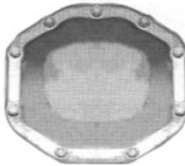
Ring Gear Diameter: 9.75"  
 Pinion Diameter / Spline: 1.970" / 31  
 Ring Gear Bolts: (12) 12mm x 1.25 RH  
 Cover Bolts: 12  
 Carrier Breaks: None

**GM 7.2" IFS**

Ring Gear Diameter: 7.2"  
 Pinion Diameter / Spline: 1.315" / 27  
 Ring Gear Bolts: (10) 10mm x 1.25  
 Cover Bolts: N/A  
 Carrier Breaks: 3.08 / 3.23

**GM 7.6" IFS - Front - Late Model Midsize Truck**

Ring Gear Diameter: 7.625"  
 Pinion Diameter / Spline: 1.438" / 28  
 Ring Gear Bolts: (10) 7/16"x20 RH  
 Cover Bolts: 10  
 Carrier Breaks: 3.08 / 3.23

**GM 7.75" (Australian - Some 3rd Gen Camaro/Firebirds)**

Ring Gear Diameter: 7.75"  
 Pinion Diameter / Spline: 27  
 Ring Gear Bolts: (8)  
 Cover Bolts: 9  
 Carrier Breaks: 2.77 / 3.27

**GM 8.2" - 1955-64 Car**

Ring Gear Diameter: 8.20"  
 Pinion Diameter / Spline: 1.438" / 17  
 Ring Gear Bolts: (10) 7/16"x20 RH  
 Cover Bolts: Dropout  
 Carrier Breaks: 3.70 / 4.11

**GM 8.2" - 1964-72 Chevy (C-Clip Axles)**

Ring Gear Diameter: 8.20"  
 Pinion Diameter / Spline: 1.438" / 25  
 Ring Gear Bolts: (10) 3/8"x24 LH  
 Cover Bolts: 10  
 Carrier Breaks: 2.76 / 3.07

**Ford 9"**

Ring Gear Diameter: 9.0"  
 Pinion Diameter / Spline: 1.312" / 28; 1.5" / 35  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: Dropout  
 Carrier Breaks: None

**Ford 10.25" / 10.5"**

Ring Gear Diameter: 10.25" / 10.5"  
 Pinion Diameter / Spline: 1.940" / 31 (37 - 2011 & newer)  
 Ring Gear Bolts: (12) 1/2"x20 RH  
 Cover Bolts: 12  
 Carrier Breaks: None

**GM 7.5" & 7.625"**

Ring Gear Diameter: 7.5"  
 Pinion Diameter / Spline: 1.438" / 27  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: 10  
 Carrier Breaks: 3.08 / 3.23

**GM 7.6" IRS (Late Camaro V6)**

Ring Gear Diameter: 7.6" / 193mm  
 Pinion Diameter / Spline: 1.438" / 27  
 Ring Gear Bolts: (10) 7/16"x20 RH  
 Cover Bolts: 10  
 Carrier Breaks: None

**GM 8.0" - Rear - Late Model Midsize Truck**

Ring Gear Diameter: 8.0"  
 Pinion Diameter / Spline: 1.781" / 27  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: 10  
 Carrier Breaks: None

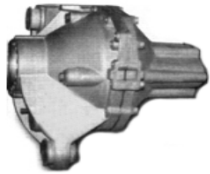
**GM 9.375" - 1955-62 Truck**

Ring Gear Diameter: 9.375"  
 Pinion Diameter / Spline: 1.438" / 17  
 Ring Gear Bolts: (12) 3/8"x24 RH  
 Cover Bolts: 12  
 Carrier Breaks: None

**GM 8.2" BOP - 1964-72 (Bolt-in Axles)**

Ring Gear Diameter: 8.20"  
 Pinion Diameter / Spline: 1.438" / 27  
 Ring Gear Bolts: (10) 3/8"x24 LH  
 Cover Bolts: 10  
 Carrier Breaks: 3.23 / 3.36

**GM**



**GM 8.25" IFS - Late Model Full Size Truck**  
 Ring Gear Diameter: 8.25"  
 Pinion Diameter / Spline: 1.625" / 30  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: N/A  
 Carrier Breaks: 3.23 / 3.42



**GM 8.5" - 1968-70 Oldsmobile 12-Bolt Cover/10-Bolt Gear**  
 Ring Gear Diameter: 8.5"  
 Pinion Diameter / Spline: 1.626" / 27  
 Ring Gear Bolts: (10) 7/16"x20 RH  
 Cover Bolts: 12  
 Carrier Breaks:



**GM 8.6" IRS (218mm, AAM) - Late Model Camaro V8**  
 Ring Gear Diameter: 8.6" / 218mm  
 Pinion Diameter / Spline: 1.875" / 32  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: 10  
 Carrier Breaks: None



**GM 8.875" - Truck 12-Bolt**  
 Ring Gear Diameter: 8.875"  
 Pinion Diameter / Spline: 1.438" / 30  
 Ring Gear Bolts: (12) 3/8"x24 RH  
 Cover Bolts: 12  
 Carrier Breaks: 2.76 / 2.76 - 3.42 / 3.73



**GM 9.25" IFS (2011 and Newer)**  
 Ring Gear Diameter: 9.25"  
 Pinion Diameter / Spline: 1.875" / 30  
 Ring Gear Bolts: (12) 12mm x 1.5 LH  
 Cover Bolts: 12  
 Carrier Breaks: None



**GM 10.5" - Truck 14-Bolt**  
 Ring Gear Diameter: 10.5"  
 Pinion Diameter / Spline: 1.875" / 30  
 Ring Gear Bolts: (12) 12mm x 1.5 LH  
 Cover Bolts: 14  
 Carrier Breaks: None



**GM 8.5" - 1970-Present Car, 1977-99 Truck (C-Clip Axles)**  
 Ring Gear Diameter: 8.5"  
 Pinion Diameter / Spline: 1.625" / 30  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: 10  
 Carrier Breaks: 2.56 / 2.73



**GM 8.6" - 2000 & Newer 1/2 Ton Truck**  
 Ring Gear Diameter: 8.6"  
 Pinion Diameter / Spline: 1.625" / 30  
 Ring Gear Bolts: (10) 7/16"x20 LH  
 Cover Bolts: 10  
 Carrier Breaks: 2.56 / 2.73



**GM 8.875" - Car 12-Bolt**  
 Ring Gear Diameter: 8.875"  
 Pinion Diameter / Spline: 1.625" / 30  
 Ring Gear Bolts: (12) 3/8"x24 RH  
 Cover Bolts: 12  
 Carrier Breaks: 2.76 / 3.08 - 3.90 / 4.10



**GM 9.25" IFS (2010 and Older)**  
 Ring Gear Diameter: 9.25"  
 Pinion Diameter / Spline: 1.875" / 30  
 Ring Gear Bolts: (12) 12mm x 1.5 LH  
 Cover Bolts: N/A  
 Carrier Breaks: None



**GM 9.5" - Truck 14-Bolt**  
 Ring Gear Diameter: 9.5"  
 Pinion Diameter / Spline: 1.875" / 30  
 Ring Gear Bolts: (12) 12mm x 1.5 LH  
 Cover Bolts: 14  
 Carrier Breaks: None



**GM 11.5" - Truck 14-Bolt**  
 Ring Gear Diameter: 11.5"  
 Pinion Diameter / Spline: 2.0" / 30  
 Ring Gear Bolts: (12) 9/16"x18 RH  
 Cover Bolts: 14  
 Carrier Breaks: 4.10 / 4.63