

ATTACHMENT 2 – Differential Parts

Problem One

The rear axle assembly had several gears with pitted teeth. One side gear also had some scoring on the journal. Over the years, the following NOS parts have been collected to rebuild this assembly

373328 Front Propeller Shaft Bushing	Pg 59 in Chassis Parts List	
376021 Rear Propeller Shaft Bushing	Pg 59 in Chassis Parts List	
901105 Rear Pinion Shaft Bearing	Pg 57 in Chassis Parts List	
905206 Front Pinion Shaft Bearing	Pg 58 in Chassis Parts List	Note the box has the part number scratched out, but the bearing shows it to be a ND 5206 as called for on Pg 58
600269 Ring Gear with Pinion	Pg 57 in Chassis Parts List	
		Note Vintage Auto Parts List this as their part number WX1922-3
370224 Side Gears	Pg 56 in Chassis Parts List	
		Note Vintage Auto Parts List this as their part number W1173-4

Have also acquired a used 33CA set of gears which are the same part number as the 34 DA.

Consists of 364538 Diff Case
 370224 Side gears
 370225 Pinion Gears

Problem 2

While the rear axle was pulled, I separated the brake drums from the axle. The drums I had turned at the local NAPA. The drums are now out-of-round. What I did not know at the time was that you do not turn these drums on a drum lathe. According to the Vintage Chevrolet Club of America (VCCA) web site these drums are "stamped steel drums-they can not be turned on a drum lath. They must be ground to be resurfaced."
Purchased one DA rear drum (397301) on ebay.