

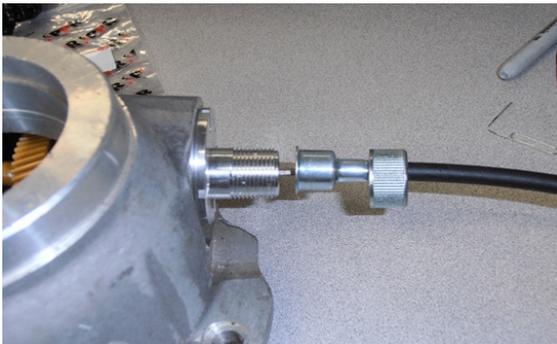
## SPEEDOMETER KIT

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	300628	PINION GEAR HOUSING
2.	1	300629	C CLIP RETAINER
3.	1	300630	O-RING KIT
4.	1	300631	SEAL
4.	1	301403	BOLT- 5/16" -18 x 3/4" H.F.C.S.

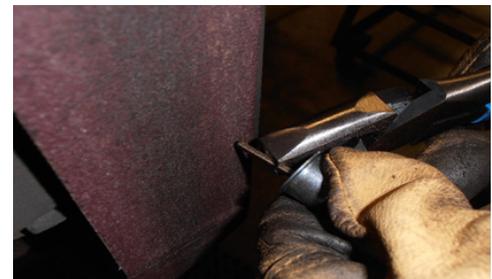


The long mechanical speedometer driven gear is only available from aftermarket suppliers, these manufactures are making the gears approximately 3/8" to 7/16" too shallow on the female square drive end (OEM driven gear depth is 1"). It may be required to cut the inner square drive cable to allow correct contact of the cable end to the speedometer housing. This also affects the cable end nut/collar to thread correctly to the speedometer housing threads. \*Note: only cut length necessary, equal to the gap between the cable end and housing.



Shorten the cable by use of a grinding wheel, belt sander, or metal cutting disc. Position the cable to the rotation of the tool to prevent unraveling of the coils. Dress the tip to either a point, or if grinding the cable to length, allow tip to glow orange to melt the coils to prevent unraveling.

\*Important to not distort the squared cable during this process with vises or pliers, as the round inner coiled cable is die formed to create a .104" OD square drive end. If distortion occurs, check fitment into the speedometer drive gear; metal file marring to flat and fitment if necessary.



**SPECIAL NOTE:** The components packaged in this kit have been assembled and machined for specific type of conversions. Modifications to any of the components will void any possible warranty or return privileges. If you do not fully understand modifications or changes that will be required to complete your conversion, we strongly recommend that you contact our sales department for more information. This instruction sheet is only to be used for the assembly of Advance Adapter components. We recommend that a service manual pertaining to your vehicle be obtained for specific torque values, wiring diagrams and other related equipment. These manuals are normally available at automotive dealerships and parts stores.



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 P/N: 301506

The Atlas long tailhousing is the only housing that offers a speedometer option (sold separately). The Atlas long tailhousing is designed to fit a stock Jeep (1982 & up) mechanical driven speedometer housing. These housings generate a pulse that operates the speedometer. Vehicles requiring a cable connection for the speedometer can order **P/N 301506** as part of the Atlas order. This speedometer housing is from a 1983 to 1986 Jeep CJ. The speedometer gear is not included with this housing, but by using the charts that follow you can select the correct gear for your tire size and axle ratio. Some of these gears are hard to come by, so we may not offer the gear for your application.

TIRE DIAMETER	AXLE GEAR RATIOS							
	5.38	5.13	4.88	4.56	4.10	3.73	3.55	3.07
44"	32T	31T	29T	27T				
42"	34T	32T	30T	28T				
40"	35T	34T	32T	30T	27T			
39"	36T	34T	33T	31T	28T			
38"	37T	35T	34T	31T	28T	26T		
37"	38T	36T	35T	32T	29T	26T		
36"	39T	37T	36T	33T	30T	27T	26T	
35"	40T	38T	37T	34T	31T	28T	27T	
33"		41T	39T	36T	33T	30T	28T	
32"			40T	37T	34T	31T	29T	
31"			41T	39T	35T	32T	30T	26T
30"				40T	36T	33T	31T	27T
29"				41T	37T	34T	32T	28T
28"					38T	35T	33T	29T

- 300620-26 300620-31 300620-36
- 300620-27 300620-32 300620-39
- 300620-28 300620-33 300620-40
- 300620-29 300620-34 300620-41
- 300620-30 300620-35 300620-42

Gear part numbers that fit the manual speedometer drive 301506

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