

PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

April 29, 1929

TO BE NOTED AND INITIALED BY	

TO: PACKARD DISTRIBUTERS AND DEALERS

SUBJECT: SPEEDOMETER AND REAR AXLE
GEAR RATIO CHART

Gentlemen:

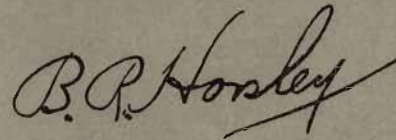
When changing the rear axle gear ratio in Packard cars, it affects the speedometer reading necessitating in many cases changes of speedometer pinions, gears and bearings.

To assist in ordering the correct parts, we are giving you on the reverse side of this letter all the necessary information. When making these changes, the speedometer parts should be checked and if they do not check to the specifications as shown, the proper parts to make the speedometer reading as correct as possible should be ordered from the factory under their respective numbers.

In cases where the installation of non-standard size tires causes a deviation in the speedometer reading, we suggest you write the factory and we will endeavor to assist you.

Very truly yours,

PACKARD MOTOR CAR COMPANY



B. R. Horsley
Manager Service Stores

HN
(e) 2800

SPEEDOMETER AND REAR AXLE RATIO TABLES

DIFF. RING GEAR AND PINION	RATIO	No. OF TEETH	MODEL	SPEEDOMETER PINION	No. OF TEETH	SPEED. GEAR	No. OF TEETH	SPEED. BEARING	O. D. OF BEARING
126491	4.69-1	56-12	126-33 226-33 326-33 (prior to 75000)	118970	22	118024	8-24	117981 (prior to motor No. 53952)	1.030"
126491	4.69-1	56-12	326-333	118970	22	118024	8	158146 (after 53952)	1.155"
126492	4.38-1	56-13	126-33 226-33 326-33 (prior to 75000)	117980 (prior to trans. 12707)	20	111520 (prior to 12707)	8-22	117981 (prior to trans. 12707)	1.030"
126492	4.38-1	56-13	126-33 226-33 326-33 (prior to 75000)	121791 (after trans. 12707)	20	118024 (after trans. 12707)	8	121797 (after trans. 12707)	1.030"
132377	5.1 -1	51-10	326-333 (prior to motor 75000)	137102	24	118024	8	158145 (after trans. 12707)	1.155"
139588	4.69-1	61-13	326-333 (after 75000)	118970	22	118024	8	158146	1.155"
139771	5.08-1	61-12	326-333 (after 75000)	137102	24	118024	8	158145	1.155"
141462	5.08-1	61-12	433-426	137102	24	118024	8	158145	1.155"
141462	5.08-1	61-12	526-626	none	none	none	none	none	none
141462	5.08-1	61-12	533-633	137102	24	118024	8	158145	1.155"
141461	4.69-1	61-13	426-433	118970	22	118024	8	158146	1.155"
141461	4.69-1	61-13	526-626	137102	24	118024	8	158145	1.155"
141461	4.69-1	61-13	533-633	118970	22	118024	8	158146	1.155"
141902	4.38-1	57-13	426-433	121791	20	118024	8	137106	1.155"
141902	4.38-1	57-13	526-626	118970	22	118024	8	158146	1.155"
141902	4.38-1	57-13	533-633	148440	21	118024	8	148441	1.155"
127411	4.08-1	49-12	136-143-236-243 (prior to 215000)	124168	19	118024	8	124331	1.030"
127411	4.08-1	49-12	236-243	124168	19	118024	8	(prior to motor 211394) 158148 (after 211394)	1.155"
137507	4.67-1	56-12	136-43 236-43 (prior to 215000)	118970	22	118024	8	117981 (prior to motor 211394)	1.030"
137507	4.67-1	56-12	236-243	118970	22	118024	8	158146 (after 211394)	1.155"
139586	4.67-1	56-12	236-243 (after 215000)	118970	22	118024	8	158146	1.155"
139770	4.08-1	49-12	236-243 (after 215000)	124168	19	118024	8	158148	1.155"
141460	4.69-1	61-13	336-343-443-640-645	118970	22	118024	8	158146	1.155"
141459	4.07-1	57-14	336-343-443-640-645	124168	19	118024	8	158148	1.155"
141903	4.38-1	57-13	336-343	121791	20	118024	8	137106	1.155"
141903	4.38-1	57-13	443-640-645	148440	21	118024	8	148441	1.155"
170196	3.31-1	53-16	626 Speed. (640-45 Rear Axle)	164764	17	118024	8	164765	1.155"

NOTES

We have used two different diameter bearings, the small diameter on Sixes up to Motor No. 53952 and on the Eights up to Motor No. 211394. Bearing No. 137103 has been made obsolete, superseded by 158145; 137104 is superseded by 158146 and 137105 is superseded by 158148.

Prior to Transmission No. 12707 on 126-133 models it is necessary to change both the speedometer driving gear and pinion in order to change the speedometer reading. After Transmission No. 12707 on all Six and all Eight models it is only necessary to change the speedometer pinion and bearing.

INSTALLING A 5.1 TO 1 RATIO ON 126-133-226-233 MODELS

After Transmission No. 12707 use Pc. No. 137107 Rear Housing Cover; Pc. No. 132102 Pinion and Shaft and Pc. No. 158145 Bearing.

Prior to Transmission No. 12707 use Pc. No. 118024 Speedometer Driving Gear in addition to the other four numbers shown in the paragraph above.