

1939 Service Information and Adjustments

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Country Club Custom Eight 129" WB
Starting Car and Engine Number	90-101	90-101 & 98-101	91-101	92-101	93-101	95-101	97-101
AXLE – FRONT							
Type	Elliott	Elliott	Elliott	Elliott	Elliott	Elliott	Elliott
Torque Control	Frnt. Springs	Frnt. Springs	Torque Arm	Torque Arm	Torque Arm	Torque Arm	Torque Arm
Camber	1°-1½°	1°-1½°	1°-1½°	1°-1½°	1°-1½°	1°-1½°	1°-1½°
Caster	1°-2°	1°-2°	1°-2°	1°-2°	1°-2°	1°-2°	1°-2°
Max. Variation – Right & Left Ends	½°	½°	½°	½°	½°	½°	½°
Toe-in at Felloe	0°-1/8°	0°-1/8°	0°-1/8°	0°-1/8°	0°-1/8°	0°-1/8°	0°-1/8°
Spindle Pin Inclination	7°	7°	7°	7°	7°	7°	7°
Steering Pin Thrust Bearing	Ball	Ball	Ball	Ball	Ball	Ball	Ball
Wheel Bearing – Type	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller
End Play	.001"-.003"	.001"-.003"	.001"-.003"	.001"-.003"	.001"-.003"	.001"-.003"	.001"-.003"
Tie Rod End – Type	Plain Bearing	Plain Bearing	Plain Bearing	Plain Bearing	Plain Bearing	Plain Bearing	Plain Bearing
Tie Rod – Adjustment	Turn Rod	Turn Rod	Turn Rod	Turn Rod	Turn Rod	Turn Rod	Turn Rod
To Lengthen	Turn CW	Turn CW	Turn CW	Turn CW	Turn CW	Turn CW	Turn CW
To Shorten (as seen from right)	Turn CCW	Turn CCW	Turn CCW	Turn CCW	Turn CCW	Turn CCW	Turn CCW
AXLE – REAR							
Type	Semi-Floating	Semi-Floating	Semi-Floating	Semi-Floating	Semi-Floating	Semi-Floating	Semi-Floating
Gear Type	Helical Bevel	Helical Bevel	Helical Bevel	Helical Bevel	Helical Bevel	Helical Bevel	Helical Bevel
Gear Ratio							
Standard	4-1/9 to 1	4-1/9 to 1	4-1/9 to 1	4-1/9 to 1	4-1/9 to 1	4-1/9 to 1	4-1/9 to 1
Optional	4-5/9 to 1	4-5/9 to 1	4-5/9 to 1	4-5/9 to 1	4-5/9 to 1	4-5/9 to 1	4-5/9 to 1
<i>Pinion Bearings:</i>							
Type	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller
Adjustment	Shim	Shim	Shim	Shim	Shim	Shim	Shim
End Play	.000-.001"	.000-.001"	.000-.001"	.000-.001"	.000-.001"	.000-.001"	.000-.001"
<i>Differential Bearings:</i>							
Type Adjustment	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller
Adjustment	Adj. Nut	Adj. Nut	Adj. Nut	Adj. Nut	Adj. Nut	Adj. Nut	Adj. Nut
<i>Wheel Bearings:</i>							
Type	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller	Taper Roller
Adjustment	Shim	Shim	Shim	Shim	Shim	Shim	Shim
End Play	.002"-.004"	.002"-.004"	.002"-.004"	.002"-.004"	.002"-.004"	.002"-.004"	.002"-.004"
<i>Pinion and Gear:</i>							
Adjustment	Shim	Shim	Shim	Shim	Shim	Shim	Shim
Lash in Gear	.0005"-.003"	.0005"-.003"	.0005"-.003"	.0005"-.003"	.0005"-.003"	.0005"-.003"	.0005"-.003"

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Country Club Custom Eight 129" WB
AXLE – REAR (Cont'd)							
<i>Lubrication:</i>							
Type – Summer and Winter Quantity – Lbs.	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)	S.A.E 90 E. P. 2¾ (1.24 Kgs.)
BRAKES							
Type	4-Wheel Hyd.	4-Wheel Hyd.	4-Wheel Hyd.	4-Wheel Hyd.	4-Wheel Hyd.	4-Wheel Hyd.	4-Wheel Hyd.
Drum Diameter	9-1/16"	10-1/16"	10-1/16"	10-1/16"	10-1/16"	11-1/16"	11-1/16"
Drum Material	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel
<i>Lining:</i>							
Primary Shoe	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
Secondary Shoe	Woven	Woven	Woven	Woven	Woven	Woven	Woven
Width	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"
Thickness	7/32"	7/32"	7/32"	7/32"	7/32"	7/32"	7/32"
Length per Wheel	19"	22 ¹ / ₈ "	22 ¹ / ₈ "	22 ¹ / ₈ "	22 ¹ / ₈ "	22 ¹⁵ / ₁₆ "	22 ¹⁵ / ₁₆ "
Pieces per Wheel	2	2	2	2	2	2	2
Lining Area – Sq. In.	133	155	155	155	155	167½	167½
<i>Adjustments:</i>							
Anchor Pin Front and Rear Shoe	Pivot Eccentric and Screw	Radially Eccentric and Screw	Radially Eccentric and Screw	Radially Eccentric and Screw	Radially Eccentric and Screw	Radially Eccentric and Screw	Radially Eccentric and and Screw
<i>Shoe Clearance:</i>							
Anchor Pin End	.010"	.010"	.010"	.010"	.010"	.010"	.010"
Adjusting And Screw End	.010"	.010"	.010"	.010"	.010"	.010"	.010"
Max. Variation per Shoe	None	.003"	.003"	.003"	.003"	.003"	.003"
Mechanical Follow-up	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "
Pedal to Floor Board Clearance	¼"	¼"	¼"	¼"	¼"	¼"	¼"
*Includes Utility Models							
CLUTCH							
Type	Single Disc in Oil	Single Disc in Oil	Single Disc in Oil	Single Disc in Oil	Single Disc in Oil	Single Disc in Oil	Single Disc in Oil
Facing	Cork Inserts	Cork Inserts	Cork Inserts	Cork Inserts	Cork Inserts	Cork Inserts	Cork Inserts
Pilot Bearing	Ball	Ball	Ball	Ball	Ball	Ball	Ball
Throwout Bearing	Ball	Ball	Ball	Ball	Ball	Ball	Ball
Pedal Lash	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"
<i>Lubrication:</i>							
Housing Quantity*	Hudsonite ½ Pint	Hudsonite ½ Pint	Hudsonite ½ Pint	Hudsonite ½ Pint	Hudsonite ½ Pint	Hudsonite ½ Pint	Hudsonite ½ Pint
* ½ pint, ¼ Imperial Pint, 160 c.c.							
Location of Filler Throwout Bearing	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant	Front of Flywheel Viscous Chassis Lubricant
Quantity	1 ounce	1 ounce	1 ounce	1 ounce	1 ounce	1 ounce	1 ounce
Type of Fitting	Zerk	Zerk	Zerk	Zerk	Zerk	Zerk	Zerk
Location of Fitting	Right Bell Housing	Right Bell Housing	Right Bell Housing	Right Bell Housing	Right Bell Housing	Right Bell Housing	Right Bell Housing

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ELECTRICAL EQUIPMENT							
Make – Auto-Lite	IGW-4125A [Ⓢ]	IGW-4125A [Ⓢ]	IGW-4202A	IGW-4126A [Ⓢ]	IGW-4126A [Ⓢ]	IGP-4008A	IGW-4008A
[Ⓢ] IGW-4125A – 90, 98 to s/n 6493; IGW-4202A – 90, 98 after s/n 6493 and Model 91							
[Ⓢ] IGW-4126A – 92, 93 to s/n 5146; IGW-4201A – 92, 93 after s/n 5146							
Coil Location	Dash	Dash	Dash	Dash	Dash	Dash	Dash
Distributor Ignition							
Location	Right Side Engine	Right Side Engine	Right Side Engine	Right Side Engine	Right Side Engine	Right Side Engine	Right Side Engine
Drive	Camshaft	Camshaft	Camshaft	Camshaft	Camshaft	Camshaft	Camshaft
Advance	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Breaker Point Gap	.020"	.020"	.020"	.020"	.020"	.017"	.017"
Timing	¼" BTDC	*¼" BTDC	DC	DC	DC	DC	DC
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-6-2-5-8-7-4	1-6-2-5-8-7-4
Lubrication	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil
Quantity	Fill Cup	Fill Cup	Fill Cup	Fill Cup	Fill Cup	Fill Cup	Fill Cup
* D.C. on 119" WB Business Cars							
<i>Generator:</i>							
Make – Auto-Lite	GBM-4609A	GBM-4609A	GDF-4803A-1 [Ⓢ]	GDS-4801A	GDS-4801A	GDS-4801A	GDS-4801A
[Ⓢ] GDF-4803A-1 – Model 91 first 15,000 cars – GDS-4801A after first 15,000 cars							
Type	Third Brush	Third Brush	Third Brush	Third Brush	Third Brush	Third Brush	Third Brush
Drive	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt
Voltage Regulator	Optional	*Optional	Optional	Standard	Standard	Standard	Standard
* Standard on 119" WB Business Cars							
<i>Charging Rate - Hot:</i>							
Without Voltage Regulator	17 to 19 Amps	17 to 19 Amps	17 to 19 Amps				
With Voltage Regulator	26 to 29 Amps	26 to 29 Amps	26 to 29 Amps	26 to 29 Amps	26 to 29 Amps	26 to 29 Amps	26 to 29 Amps
Lubrication (2 Oilers)	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil
Quantity (Each Oiler)	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops
<i>Starting Motor:</i>							
Make – Auto-Lite	MAJ-4057 [Ⓢ]	MAJ-4057 [Ⓢ]	MAJ-4075 [Ⓢ]	MAJ-4075 [Ⓢ]	MAJ-4075 [Ⓢ]	MAJ-4075 [Ⓢ]	MAJ-4075 [Ⓢ]
[Ⓢ] MAJ-4057 – 1939 early 90, 98, MAJ-4061 later 90, 98							
[Ⓢ] MAJ-4075 - 1939 early exc. 90, 98, MAB-4100 later exc. 90, 98							
Drive	Bendix	Bendix	Bendix	Bendix	Bendix	Bendix	Bendix
Control	Foot Switch	Foot Switch	Solenoid	Solenoid	Solenoid	Solenoid	Solenoid
Lubrication (2 Oilers)	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil	Light Motor Oil
Quantity (Each Oiler)	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops	Two Drops
<i>Battery:</i>							
Make	National	National	National	National	National	National	National
No. Plates	17	17	17	17	17	19	19
Dimensions – Length	10 ⁹ / ₁₆ "	10 ⁹ / ₁₆ "	10 ⁹ / ₁₆ "	10 ⁹ / ₁₆ "	10 ⁹ / ₁₆ "	11 ³ / ₄ "	11 ³ / ₄ "
- Width	7 ¹ / ₄ "	7 ¹ / ₄ "	7 ¹ / ₄ "	7 ¹ / ₄ "	7 ¹ / ₄ "	7 ¹ / ₄ "	7 ¹ / ₄ "
- Height	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "	7 ¹³ / ₁₆ "
Terminal Grounded	Positive	Positive	Positive	Positive	Positive	Positive	Positive

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<i>Battery (Cont'd):</i>							
Location	Eng. Compt. LH	Eng. Compt. LH	Eng. Compt. LH	Eng. Compt. LH	Eng. Compt. LH	Eng. Compt. LH	Eng. Compt. LH
Spark Plugs	Champion J-8	Champion J-8	Champion J-8	Champion J-8	Champion J-8	Champion J-8	Champion J-8
Size	14 mm	14 mm	14 mm	14 mm	14 mm	14 mm	14 mm
Gap	.032"	.032"	.032"	.032"	.032"	.032"	.032"
<i>Lamp Bulbs:</i>							
Bulb Voltage	6-8	6-8	6-8	6-8	6-8	6-8	6-8
Candle Power and Bases (Contact – Single-S, Double-D)							
Head	Mazda No. 2131 32-32 (D)	32-32 (D)	32-32 (D)	32-32 (D)	32-32 (D)	32-32 (D)	32-32 (D)
Head – Exp.	" " 2520 21-50 (D)	21-50 (D)	21-50 (D)	21-50 (D)	21-50 (D)	21-50 (D)	21-50 (D)
Parking	" " 55 1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)
Bonnet Side Panel	" " 55				1½ (S)	1½ (S)	1½ (S)
Fender Lamp	" " 63 3 (S)	3 (S)	3 (S)	3 (S)	3 (S)	3 (S)	3 (S)
Dash Signal	" " 51 1 (S)	1 (S)	1 (S)	1 (S)	1 (S)	1 (S)	1 (S)
Instrument	" " 55 1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)
Stop and Tail	" " 1158 3-21 (D)	3-21 (D)	3-21 (D)	3-21 (D)	3-21 (D)	3-21 (D)	3-21 (D)
License Lamp	" " 63 3 (S)	3 (S)	3 (S)	3 (S)	3 (S)	3 (S)	3 (S)
Dome	" " 87 15 (S)	15 (S)	15 (S)	15 (S)	15 (S)	15 (S)	15 (S)
Service Lamp	" " 55 1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)
Beam Indicator	" " 51 1 (S)	1 (S)	1 (S)	1 (S)	1 (S)	1 (S)	1 (S)
Speedometer	" " 55 1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)
Radio Dial	" " 44 1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)	1½ (S)
ENGINE							
Number Cylinders	6	6	6	6	6	8	8
Arrangement	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Bore	3"	3"	3"	3"	3"	3"	3"
Stroke	4 ¹ / ₈ "	[Ⓛ] 5"	5"	5"	5"	4½"	4½"
Piston Displacement	175	[Ⓛ] 212	212	212	212	254	254
Taxable Horsepower	18.6	21.6	21.6	21.6	21.6	28.8	28.8
Actual Horsepower	86@4000 RPM	[Ⓛ] 96@3900 RPM	96@3900 RPM	101@4000 RPM	101@4000 RPM	122@4200 RPM	122@4200 RPM
Compression Ratio	6.50 to 1	[Ⓛ] 6.25 to 1	6.25 to 1	6.25 to 1	6.25 to 1	6.25 to 1	6.25 to 1
Engine Mounting	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber
[Ⓛ] - 5-Pass. 119" WB Sedan - 4 ¹ / ₈ "; [Ⓜ] - 5-Pass. 119" WB Sedan 175 cid; [Ⓝ] 5-Pass. 119" WB Sedan – 86@4000 RPM; [Ⓞ] 5-Pass. 119" WB Sedan – 6.50 to 1							
<i>Camshaft:</i>							
Drive	Gear	Gear	Gear	Gear	Gear	Gear	Gear
<i>Number of Teeth:</i>							
Camshaft Gear	56	56	56	56	56	56	56
Crankshaft Gear	28	28	28	28	28	28	28
Timing Indication – Marks on	Gears	Gears	Gears	Gears	Gears	Gears	Gears

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Engine (Cont'd)							
<i>Camshaft Bearings</i>							
Diameter and Length – No. 1	2 x 1 ³ / ₁₆ "	2 x 1 ³ / ₁₆ "	2 x 1 ³ / ₁₆ "	2 x 1 ³ / ₁₆ "	2 x 1 ³ / ₁₆ "	2 ¹ / ₃₂ x 1 ³ / ₈ "	2 ¹ / ₃₂ x 1 ³ / ₈ "
- No. 2	2 ³¹ / ₃₂ x 1 ¹ / ₁₆ "	2 ³¹ / ₃₂ x 1 ¹ / ₁₆ "	2 ³¹ / ₃₂ x 1 ¹ / ₁₆ "	2 ³¹ / ₃₂ x 1 ¹ / ₁₆ "	2 ³¹ / ₃₂ x 1 ¹ / ₁₆ "	1 x 2"	1 x 2"
- No. 3	1 ¹ / ₂ x 1 ⁵ / ₁₆ "	1 ¹ / ₂ x 1 ⁵ / ₁₆ "	1 ¹ / ₂ x 1 ⁵ / ₁₆ "	1 ¹ / ₂ x 1 ⁵ / ₁₆ "	1 ¹ / ₂ x 1 ⁵ / ₁₆ "	1 ³¹ / ₃₂ x 1 ¹ / ₄ "	1 ³¹ / ₃₂ x 1 ¹ / ₄ "
- No. 4						1 ¹⁵ / ₁₆ x 1"	1 ¹⁵ / ₁₆ x 1"
- No. 5						1 ¹ / ₂ x 1 ¹ / ₂ "	
Camshaft Bearings (Cont'd)							
Radial Clearance	.0025"	.0025"	.0025"	.0025"	.0025"	.0025"	.0025"
End Play Prevented by	Spring	Spring	Spring	Spring	Spring	Spring	Spring
<i>Connecting Rods:</i>							
Material	D. F. Steel	D. F. Steel	D. F. Steel	D. F. Steel	D. F. Steel	D. F. Steel	D. F. Steel
Weight (Ounces)	30.75	*30	30	30	30	30	30
Length (Center to Center)	8 ³ / ₈ "	**8 ³ / ₁₆ "	8 ³ / ₁₆ "	8 ³ / ₁₆ "	8 ³ / ₁₆ "	8 ³ / ₁₆ "	8 ³ / ₁₆ "
	*5-Pass. 119" WB Sedan – 30.75 ounces; **5-Pass. 119" WB Sedan - 8 ³ / ₁₆ "						
<i>Lower End Bearing:</i>							
Diameter	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "	1 ¹⁵ / ₁₆ "
Radial Clearance	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "
End Play	.001"	.001"	.001"	.001"	.001"	.001"	.001"
Material	Spun Babbitt	Spun Babbitt	Spun Babbitt	Spun Babbitt	Spun Babbitt	Spun Babbitt	Spun Babbitt
<i>Upper End Bearing:</i>							
Diameter	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Length	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "
Radial Clearance	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"
Material	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze
<i>Cooling System:</i>							
Circulation by	Pressure Pump	Pressure Pump	Pressure Pump	Pressure Pump	Pressure Pump	Pressure Pump	Pressure Pump
Temperature Control	Thermostat	Thermostat	Thermostat	Thermostat	Thermostat	Thermostat	Thermostat
Capacity (Quarts)	12 ¹ / ₂ (10 ¹ / ₂ I.Q.- 11 ³ / ₄ L.)	12 ¹ / ₂ (10 ¹ / ₂ I.Q.- 11 ³ / ₄ L.)	12 ¹ / ₂ (10 ¹ / ₂ I.Q.- 11 ³ / ₄ L.)	12 ¹ / ₂ (10 ¹ / ₂ I.Q.- 11 ³ / ₄ L.)	12 ¹ / ₂ (10 ¹ / ₂ I.Q.- 11 ³ / ₄ L.)	17 ¹ / ₂ (14 ¹ / ₂ I.Q.- 16 ¹ / ₂ L.)	17 ¹ / ₂ (14 ¹ / ₂ I.Q.- 16 ¹ / ₂ L.)
Pump Drive	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt
Fan Drive	Pump Shaft	Pump Shaft	Pump Shaft	Pump Shaft	Pump Shaft	Pump Shaft	Pump Shaft
Belt Adjustment	Gen. Mounting	Gen. Mounting	Gen. Mounting	Gen. Mounting	Gen. Mounting	Gen. Mounting	Gen. Mounting
Pump Bearing Type	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze
Lubrication Fitting	Metered Zerk	Metered Zerk	Metered Zerk	Metered Zerk	Metered Zerk	Metered Zerk	Metered Zerk
<i>Radiator Hose – Upper:</i>							
Length	10"	10"	10"	10"	10"	10"	10"
Inside Diameter	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "
<i>Radiator Hose – Lower:</i>							
Length	8 ¹ / ₂ "	8 ¹ / ₂ "	8 ¹ / ₂ "	3"	8 ¹ / ₂ "	8 ¹ / ₂ "	8 ¹ / ₂ "
Inside Diameter	1 ⁵ / ₈ "	1 ⁵ / ₈ "	1 ⁵ / ₈ "	1 ³ / ₁₆ "	1 ⁵ / ₈ "	1 ⁵ / ₈ "	1 ⁵ / ₈ "

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
Engine (Cont'd)							
<i>Pump Hose – Outlet:</i>							
Length	3¼"	3¼"	3¼"	3¼"	3¼"	3¼"	3¼"
Inside Diameter	1½"	1½"	1½"	1½"	1½"	1½"	1½"
<i>Pump Hose – By-pass:</i>							
Length					2 ⁵ / ₁₆ "	2 ⁵ / ₁₆ "	2 ⁵ / ₁₆ "
Inside Diameter					1"	1"	1"
<i>Crankshaft</i>							
Type	Fully Compens.	Fully Compens.	Fully Compens.	Fully Compens.	Fully Compens.	Fully Compens.	Fully Compens.
Number of Bearings	3	3	3	3	3	5	5
Bearing Material	Bearing Alloy	Bearing Alloy	Bearing Alloy	Bearing Alloy	Bearing Alloy	Bearing Alloy	Bearing Alloy
<i>Bearing Diameter and Length:</i>							
No. 1	2 ¹¹ / ₃₂ " x 1 ⁵ / ₈ "	2 ¹¹ / ₃₂ " x 1 ⁵ / ₈ "	2 ¹¹ / ₃₂ " x 1 ⁵ / ₈ "	2 ¹¹ / ₃₂ " x 1 ⁵ / ₈ "	2 ¹¹ / ₃₂ " x 1 ⁵ / ₈ "	2 ⁹ / ₃₂ " x 1 ⁵ / ₈ "	2 ⁹ / ₃₂ " x 1 ⁵ / ₈ "
No. 2	2 ³ / ₈ " x 1 ³ / ₄ "	2 ³ / ₈ " x 1 ³ / ₄ "	2 ³ / ₈ " x 1 ³ / ₄ "	2 ³ / ₈ " x 1 ³ / ₄ "	2 ³ / ₈ " x 1 ³ / ₄ "	2 ⁵ / ₁₆ " x 1 ³ / ₈ "	2 ⁵ / ₁₆ " x 1 ³ / ₈ "
No. 3	2 ¹³ / ₁₆ " x 2 ³ / ₈ "	2 ¹³ / ₁₆ " x 2 ³ / ₈ "	2 ¹³ / ₁₆ " x 2 ³ / ₈ "	2 ¹³ / ₁₆ " x 2 ³ / ₈ "	2 ¹³ / ₁₆ " x 2 ⁷ / ₈ "	2 ¹¹ / ₃₂ " x 2 ⁷ / ₈ "	2 ¹¹ / ₃₂ " x 2 ⁷ / ₈ "
No. 4					2 ³ / ₈ " x 1 ³ / ₈ "	2 ³ / ₈ " x 1 ³ / ₈ "	
No. 5					2 ¹³ / ₃₂ " x 2"	2 ¹³ / ₃₂ " x 2"	
End Play Taken by Bearing No.	2	2	2	2	4	3	
Bearing End Play	.006"-.012"	.006"-.012"	.006"-.012"	.006"-.012"	.006"-.012"	.006"-.012"	.006"-.012"
Bearing Radial Clearance	.001"	.001"	.001"	.001"	.001"	.001"	.001"
Adjusting Type	Shim	Shim	Shim	Shim	Shim	Shim	Shim
<i>Fuel System:</i>							
Carburetor – Carter	W1-438S	W1-438S ^①	W1-438S	W1-438S ^①	WDO-430S ^②	WDO-430S	WDO-430S
Type	Downdraft Single	Downdraft Single	Downdraft Single	Downdraft Duplex	Downdraft Duplex	Downdraft Duplex	Downdraft Duplex
Size	1¼"	1¼"	1¼"	1"	1"	1"	1"
Choke Control	Manual	Manual	Manual	Automatic	Automatic	Automatic	Automatic
Heat Control	Manual	Manual	Manual	Automatic	Automatic	Automatic	Automatic
Fuel Delivery	Pump	Pump	Pump	Pump	Pump	Pump	Pump
Pump Drive from Camshaft by	Cam	Cam	Cam	Cam	Cam	Cam	Cam
^① Model 92 to Serial No. 31384, Model 98 – Early							
^② Model 92 after Serial No. 31384							
Note: W1-437S – Used on Models 91, 92 and 98 with automatic clutch control							
<i>Lubrication System:</i>							
Type	Hudson Duoflo Automatic	Hudson Duoflo Automatic	Hudson Duoflo Automatic	Hudson Duoflo Automatic	Hudson Duoflo Automatic	Hudson Duoflo Automatic	Hudson Duoflo Automatic
Pump Type	Oscillating Plunger	Oscillating Plunger	Oscillating Plunger	Oscillating Plunger	Oscillating Plunger	Oscillating Plunger	Oscillating Plunger
Pump Drive	Worm on Camshaft	Worm on Camshaft	Worm on Camshaft	Worm on Camshaft	Worm on Camshaft	Worm on Camshaft	Worm on Camshaft

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
Engine (Cont'd)							
<i>Air Cleaner and Silencer Type:</i>							
Oil Wetted – Standard	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.	A.C.
Oil Bath – Optional	United	United	United	United	United	United	United
Gasoline Tank Capacity (Gal.)	12½	12½	16½	16½	16½	16½	16½
Oil Cooled by	Baffles in Reservoir	Baffles in Reservoir	Baffles in Reservoir	Baffles in Reservoir	Baffles in Reservoir	Baffles in Reservoir	Baffles in Reservoir
Oil Filter	Screen	Screen	Screen	Screen	Screen	Screen	Screen
Screen Mesh	40	40	40	40	40	40	40
Capacity (Quarts) – Total	4½	5½	5½	5½	5½	9	9
Refill (Quarts)	4½	4½	4½	4½	4½	7	7
<i>Pistons:</i>							
Type	Cam Ground	Cam Ground	Cam Ground	Cam Ground	Cam Ground	Cam Ground	Cam Ground
Material	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy	Lo Ex Alum. Alloy
Weight (Ounces)	10.5	10.5	10.5	10.5	10.5	10.5	10.5
Pin Center to Top	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹¹ / ₁₆ "
<i>Clearance:</i>							
Skirt	.001"-.002"	.001"-.002"	.001"-.002"	.001"-.002"	.001"-.002"	.001"-.002"	.001"-.002"
Top of Piston	.016"	.016"	.016"	.016"	.016"	.016"	.016"
Depth of Grooves	⁵ / ₃₂ "	⁵ / ₃₂ "	⁵ / ₃₂ "	⁵ / ₃₂ "	⁵ / ₃₂ "	⁵ / ₃₂ "	⁵ / ₃₂ "
Piston Pin Hole – Size	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "
<i>Piston Pin:</i>							
Type	Floating	Floating	Floating	Floating	Floating	Floating	Floating
Method of Locking	Snap Ring	Snap Ring	Snap Ring	Snap Ring	Snap Ring	Snap Ring	Snap Ring
Diameter	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "	³ / ₄ "
Length	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "
Fit in Pistons (at 200° F.)	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"
Fit in Rod	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"	.0003"
<i>Piston Rings:</i>							
Material	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Joint – Type	Straight Cut Pinned	Straight Cut Pinned	Straight Cut Pinned	Straight Cut Pinned	Straight Cut Pinned	Straight Cut Pinned	Straight Cut Pinned
Compressions Rings	2	2	2	2	2	2	2
Width	³ / ₃₂ "	³ / ₃₂ "	³ / ₃₂ "	³ / ₃₂ "	³ / ₃₂ "	³ / ₃₂ "	³ / ₃₂ "
Gap	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"
Oil Rings – No.	2	2	2	2	2	2	2
Width:							
Upper (above pin)	³ / ₁₆ "	³ / ₁₆ "	³ / ₁₆ "	³ / ₁₆ "	³ / ₁₆ "	³ / ₁₆ "	³ / ₁₆ "
Lower (below pin)	* ⁵ / ₃₂ "	* ⁵ / ₃₂ "	⁵ / ₃₂ "	* ⁵ / ₃₂ "	* ⁵ / ₃₂ "	* ⁵ / ₃₂ "	* ⁵ / ₃₂ "
Gap	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"	.005"-.010"

* - Effective with cars 90-24625, 92-24903, 93-24895, 95-28659, 97-28659, 98-24502
Previous width - ³/₁₆"

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
Engine (Cont'd) – Piston Rings							
<i>Valves and Tappets:</i>							
Inlet Valve – Material	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel
Head Outside Diameter	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ¹ / ₂ "	1 ¹ / ₂ "
Opening	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ³ / ₈ "	1 ³ / ₈ "
Valve Lift	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "
Stem Length	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ³ / ₃₂ "	5 ³ / ₃₂ "
Stem Diameter	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "
Stem Clearance in Guide	.0025"	.0025"	.0025"	.0025"	.0025"	.0025"	.0025"
Tappet Clearance – Hot	.006"	.006"	.006"	.006"	.006"	.006"	.006"
Exhaust Valve – Material	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel	Silicon Steel
Head Outside Diameter	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ³ / ₈ "	1 ¹ / ₂ "	1 ¹ / ₂ "
Opening	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ³ / ₈ "	1 ³ / ₈ "
Valve Lift	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "
Stem Length	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ¹¹ / ₃₂ "	5 ³ / ₃₂ "	5 ³ / ₃₂ "
Stem Diameter	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "	1 ¹¹ / ₃₂ "
Stem Clearance in Guide	.004"	.004"	.004"	.004"	.004"	.004"	.004"
Tappet Clearance – Hot	.008"	.008"	.008"	.008"	.008"	.008"	.008"
Valve Guide – Length	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "
Top of Guide to Top of Block	1 ¹ / ₁₆ "	1 ¹ / ₁₆ "	1 ¹ / ₁₆ "	1 ¹ / ₁₆ "	1 ¹ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "
Valve Spring Pressure	40 lbs. @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "	40 lbs @ 2" 80 lbs. @ 1 ²¹ / ₃₂ "
SPRINGS							
Front – Type	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic
Length	32 ¹ / ₂ "	32 ¹ / ₂ "	33"	33"	37 ¹ / ₂ "	37 ¹ / ₂ "	37 ¹ / ₂ "
Width	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "
No. of Leaves	9	8	8	8	9	9	9
Shackle Location	Front	Front	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Shackle Type	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting
Rear – Type	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic	Semi-Elliptic
Length	48"	48" (112" WB) 52 ¹ / ₂ " (119" WB)	52 ¹ / ₂ "	52 ¹ / ₂ "	52 ¹ / ₂ "	52 ¹ / ₂ "	52 ¹ / ₂ "
Width	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "	1 ³ / ₄ "
No. of Leaves	*8	15	9	9	9	9	9
Shackle Location	Rear	Rear	Rear	Rear	Rear	Rear	Rear
Shackle Type	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting	Self-Adjusting
Shackle Covers	Standard – Rear	None	Standard	Standard	Standard	Standard	Standard
* - Includes Utility Models							
STEERING GEAR							
Type	Worm and Roller Tooth	Worm and Roller Tooth	Worm and Roller Tooth	Worm and Roller Tooth	Worm and Roller Tooth	Worm and Roller Tooth	Worm and Roller Tooth
Ratio	16.4 to 1	16.4 to 1	18.2 to 1	18.2 to 1	18.2 to 1	18.2 to 1	18.2 to 1

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
Steering Gear (Cont'd)							
<i>Adjustments:</i>							
Worm Shaft	Shims	Shims	Shims	Shims	Shims	Shims	Shims
Cross Shaft	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw
Gear Mesh	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw	Set Screw
Steering Wheel Height	Column Bracket	Column Bracket	Column Bracket	Column Bracket	Column Bracket	Column Bracket	Column Bracket
Lubricant – Summer and Winter	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.
TIRES							
Tire Size – Standard – 4 Ply	16 x 6.00"	16 x 6.00"	16 x 6.00"	16 x 6.00"	16 x 6.25"	16 x 6.50"	16 x 6.50"
Tire Size – Optional	15 x 8.00"	16 x 5.50" (Utility Models) 15 x 7.00" (Truck) Air Wheel 16 x 6.00" (Truck Air Wheel) 16 x 6.50" (Truck Air Wheel)	15 x 7.00"	15 x 7.00"	15 x 7.00"	15 x 7.00"	15 x 7.00"
<i>Air Pressure, Lbs. (Cold):</i>							
Front – 16 x 5.50":		24					
Rear – 16 x 5.50"		32					
Front – 16 x 6.00"	24	24	24	24			
Rear – 16 x 6.00"	32	32	32	32			
Front – 16 x 6.25"					24		
Rear – 16 x 6.25"					32		
Front – 16 x 6.50"						24	24
Rear – 16 x 6.50"						32	32
Front – 15 x 7.00"	22	22	22	22	22	22	22
Rear – 15 x 7.00"	28	28	28	28	28	28	28
Front – Truck Air Wheel 16 x 6.00", 16 x 6.50" and 15 x 7.00"		24					
Rear – Truck Air Wheel 16 x 6.00", 16 x 6.50" and 15 x 7.00"		40					
WHEELS							
Type	Steel Disc	Steel Disc	Steel Disc	Steel Disc	Steel Disc	Steel Disc	Steel Disc
Rim Type	Drop Base	Drop Base	Drop Base	Drop Base	Drop Base	Drop Base	Drop Base
Rim Size – Standard	16 x 4.00"	16 x 4.00"	16 x 4.00"	16 x 4.00"	16 x 4.00"	16 x 4.50"	16 x 4.50"
– Optional	15 x 5.00"	16 x 3.50" (Utility Models) 15 x 5.00" 16 x 4.50" 16 x 4.00" (Utility Models)	15 x 5.00"	15 x 5.00"	15 x 5.00"	15 x 5.00"	15 x 5.00"
Bolts per Wheel	5	5	5	5	5	5	5
Hub Type	Demountable	Demountable	Demountable	Demountable	Demountable	Demountable	Demountable

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
TRANSMISSION							
Speeds	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.	3 Fwd., 1 Rev.
Gear Type	Helical & Spur	Helical & Spur	Helical & Spur	Helical & Spur	Helical & Spur	Helical & Spur	Helical & Spur
<i>Gear Ratios:</i>							
Low	2.42 to 1	2.42 to 1	2.42 to 1	2.42 to 1	2.42 to 1	2.42 to 1	2.42 to 1
Second	1.61 to 1	1.61 to 1	1.61 to 1	1.61 to 1	1.61 to 1	1.61 to 1	1.61 to 1
High	1 to 1	1 to 1	1 to 1	1 to 1	1 to 1	1 to 1	1 to 1
Reverse	2.99 to 1	2.99 to 1	2.99 to 1	2.99 to 1	2.99 to 1	2.99 to 1	2.99 to 1
Lubricant – Summer	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.	S.A.E. 90 E.P.
– Winter	S.A.E. 80 E.P.	S.A.E. 80 E.P.	S.A.E. 80 E.P.	S.A.E. 80 E.P.	S.A.E. 80 E.P.	S.A.E. 80 E.P.	S.A.E. 80 E.P.
Capacity (lbs.)	2¼	2¼	2¼	2¼	2¼	2¼	2¼
<i>Bearings:</i>							
Mainshaft Pilot	Ball	Ball	Ball	Ball	Ball	Ball	Ball
Mainshaft Bearings	Ball	Ball	Ball	Ball	Ball	Ball	Ball
Mainshaft Pocket Bearing	Roller	Roller	Roller	Roller	Roller	Roller	Roller
Countershaft	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt
Clearance	.0005"	.0005"	.0005"	.0005"	.0005"	.0005"	.0005"
Second Speed Mainshaft	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt
Clearance	.0005"	.0005"	.0005"	.0005"	.0005"	.0005"	.0005"
End Play	.009"	.009"	.009"	.009"	.009"	.009"	.009"
Reverse Idler Gear	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt	Steel Backed Babbitt
Clearance	.003"	.003"	.003"	.003"	.003"	.003"	.003"
Mainshaft End Play	.006"-.009"	.006"-.009"	.006"-.009"	.006"-.009"	.006"-.009"	.006"-.009"	.006"-.009"
Adjustment	Shims	Shims	Shims	Shims	Shims	Shims	Shims
Shim Location	Front Brg. Cap	Front Brg. Cap	Front Brg. Cap	Front Brg. Cap	Front Brg. Cap	Front Brg. Cap	Front Brg. Cap
Countershaft End Play	.005"-.008"	.005"-.008"	.005"-.008"	.005"-.008"	.005"-.008"	.005"-.008"	.005"-.008"
Adjustment	Shims	Shims	Shims	Shims	Shims	Shims	Shims
Shim Location	Rear Brg. Cap	Rear Brg. Cap	Rear Brg. Cap	Rear Brg. Cap	Rear Brg. Cap	Rear Brg. Cap	Rear Brg. Cap
CHASSIS AND GENERAL DIMENSIONS							
Wheelbase	112" WB	112" & 119" WB	118" WB	118" WB	122" WB	122" WB	129" WB
Overall Length	187 ⁷ / ₈ "		193 ⁷ / ₁₆ "	193 ⁷ / ₁₆ "	199 ¹ / ₂ "	199 ¹ / ₂ "	206 ¹ / ₂ "
Utility Coach & Coupe (112" WB)		187 ⁷ / ₈ "					
Cab Pickup (112" WB)		189 ⁷ / ₈ "					
Cab Pickup (119" WB)		196 ⁷ / ₈ "					
Panel Delivery (112" & 119" WB)		197 ⁷ / ₈ "					
Station Wagon (112" WB)		187 ¹ / ₂ "					
<i>Overall Width:</i>							
Front	71"	71"	71"	71"	71"	71"	71"
Rear	72"	72"	72"	72"	72"	72"	72"

	Hudson 112 112" WB	Hudson Business Cars 112" & 119" WB	Hudson Pacemaker Six 118" WB	Hudson Six 118" WB	Hudson Country Club Six 122" WB	Hudson Country Club Eight 122" WB	Hudson Country Club Custom Eight 129" WB
<i>Tread:</i>							
Front	56"	56"	56"	56"	56"	56"	56"
Rear	59½"	59½"	59½"	59½"	59½"	59½"	59½"
<i>Road Clearance (Center of axles):</i>							
Front	8 ³ / ₁₆ "	8 ³ / ₁₆ "	8 ⁹ / ₁₆ "	8 ⁹ / ₁₆ "	8½"	8 ¹⁵ / ₁₆ "	8 ¹⁵ / ₁₆ "
Rear	8 ³ / ₈ "	8 ³ / ₈ "	8 ⁷ / ₁₆ "	8 ⁷ / ₁₆ "	8 ⁵ / ₈ "	8 ¹¹ / ₁₆ "	8 ¹¹ / ₁₆ "
Turning Radius	20' 6"	20' 6" (112" WB) 20' 3" (119" WB)	20' 3"	20' 3"	21' 3"	22' 6"	