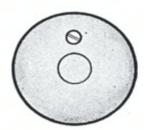
# Southern Wheels TECHNICAL



Loosen cover band. Loosen locking screw which re-leases brush mounting plate. Shift by hand. Re-

Auburn 8-63, 8-88 1925 Auburn 1926 Auburn 1927-28 (All Models) Auburn 1929-30 (All Models)

> Buick 1927-28 Buick 1929-30

Chandler 6 & 8 1927 Chandler 1928 (All Models)

Chevrolet 1926 Chevrolet 1927-28 Chevrolet 1929-30

Chrysler B 1925 Chrysler 58-70 1926

Chrysler 1928-30 (All Models)

De Soto (All Models)

Dodge 1930 Elcar 1926 & 27

Elcar 1928-30 Erskine 1928

Gardner 8A, 1925-26 Gardner 1927 Gardner 1928-30

Hudson 1929

Kissel 1927 Kissel 1928-29

Locomobile 90, 8-66 1927 Locomobile 8-70 1928

Marmon L 1927

Marmon 68, 78 1928-29

Marquette 1929-30 Moon 6-72 8-80 1928

Nash Spec. 1927 Nash Spec. 1928

Oakland 1927 Oakland (All Am.) 1928-30 Oldsmobile 30E (Later) Oldsmobile F-28 1928-29

Packard 1928-29

Peerless 6-91 1928

Plymouth 1928-30

Pontiac 6 1926-27 Pontiac 6 1928-29

Reo Flying Cloud 1927-29 Roosevelt 1929-30

Studebaker (All Models) 1926

Studebaker late 1927 and 1930

Stutz late 1927

Velie 77-88 1928 Velie 60 1926-27 Velie late 1925

Loosen cover band. Shift third brush by hand. Mounting plate held in any position by friction clamp washers.

> Ajax 1926 Cadillac 341B

Durant (All Models) 1928-30

Essex (Late) 1926 Essex 1927

Essex 1928-30 Falcon-Knight 1928

Flint 1926-27

Hudson (Late) 1926 Hudson 1927-28

Hupmobile 6 1926-27 Hupmobile 8 1926-27 Hupmobile 6 & 8 1928-30

Jordan 1926

Jordan 1927 Jordan RE & JE 1928-29 LaSalle 1928-29

Nash 1926

Nash Light & Adv. 1927 Nash Stand. & Adv. 1928-29

Oldsmobile 1926

Overland 91 & 93 1926

Peerless 1926

Peerless 6-60, 6-80, 6-90 1927-29

Star 4 & 6 1926

Star 4 & 6 1927

Stutz BB 1928

Velie 50 1927 Velie 66 1928

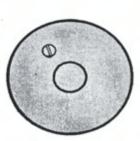
Whippet 1927

Whippet 4 & 6 1928-30

Willys Knight 66, 70 1926

Willys Knight 66-A, 70-A 1927

Willys Knight 4 & 6 1928 Willys Knight 56 1928-29



Not necessary to loosen cover band. Shift brush by turning small screw over oil cup.

> Chandler 1925 Chandler 1926

Cleveland (Early) 1925 Cleveland 1926 Dupont 1926

Dupont 1927 Locomobile Jr. 8 1926

> Reo 1925 Willys Knight 66

> > Continued



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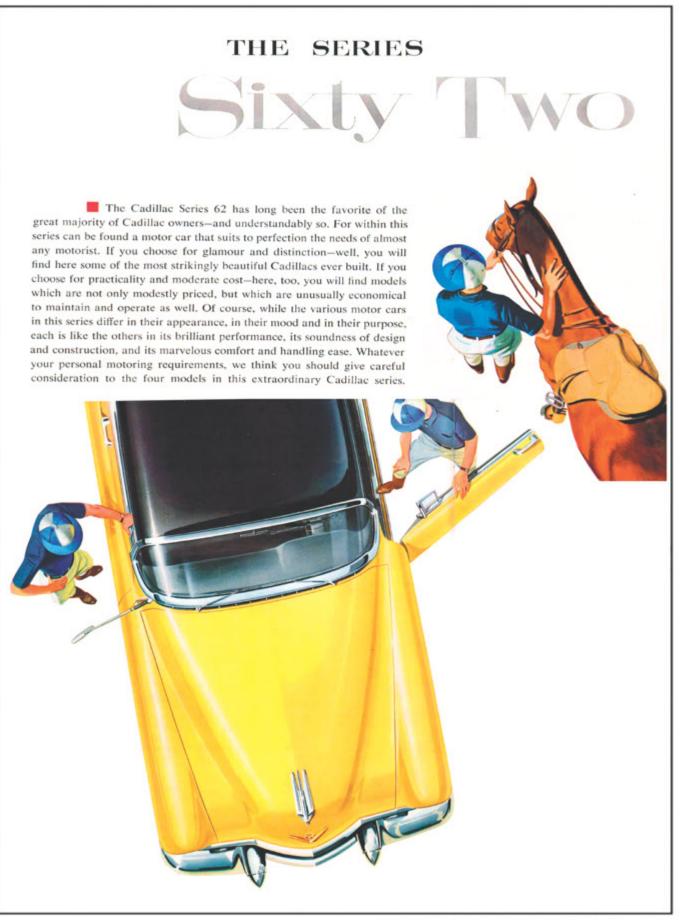
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**78 SOUTHERN WHEELS** 

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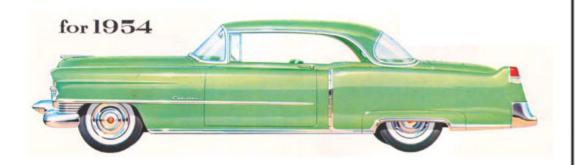
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**SOUTHERN WHEELS** 79

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We hope that you have enjoyed looking through this portfolio of the new 1954 Cadillacs-and that you have sensed, in at least some measure, what a truly great year 1954 is for Cadillac. We would like to emphasize, however, that the new Cadillac must actually be seen and driven to be fully appreciated. Only by making a personal inspection of the car-and taking your own demonstration ride-will you understand how markedly advanced it is in styling, in luxury and in performance. And so, we sincerely urge you to visit our showroom at your very earliest convenience. We'll be delighted to see you at any time-and we are certain you will find your visit both interesting and educational.



#### 1954 CADILLAC SPECIFICATIONS

ENGINE: Designed and precision-built by Cadillac, Eightcylinder, overhead 90° V-type, bore 311/6", stroke 31/4", displacement 331 cu. in. Engine mounted in rubber at three points Brake horsepower 230 at 4400 RPM, Compression ratio 8.25 to 1.

PISTONS: Aluminum alloy-slipper-type to reduce friction surfaces and permit nesting between crankshaft counterweights. Two compression and one oil ring; top compression ring chrome-plated to minimize wear on cylinder walls; piston surfaces are stannate treated for better wearing qualities and scuff resistance.

CARBURETION: Four-barrel downdraft with equalized manifolding; mechanical fuel pump; all-bath type air cleaner; intake slencer; automatic chake.

LUBRICATION: Full pressure. Oil Filter, standard equipment.

GASOLINE TANK: Cap. 20 gallons.

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ELECTRICAL SYSTEM: 12 volt lighting and ignition.

HYDRA-MATIC DRIVE: Fully automatic, eliminates clutch pedal and gearshift lever. Consists of a fluid coupling and automatically actuated gear sets providing two driving ranges, a low-speed

REAR AXLE: Hypoid, semi-floating. Differential housing offset to provide for straight-line drive. Ratio 3.07 to 1 on Series 60 Special and Series 62 with 3.36 to 1 optional (standard on Air Conditioner equipped cars). Series 75 is 3.77 to 1.

**DIRECTIONAL SIGNALS: Standard equipment.** 

BACK-UP LIGHTS: Standard equipment.

FRONT SUSPENSION: Codillos Independent Knee-Action.

SPRINGS: Front independent helical coil type; Rean 5-leaf semi-elliptic 561/2" long, 21/2" wide (Series 75: 6-leaf).

BRAKES: 4-wheel hydraulic with 2111/2 sq. in, braking area. Fower Brake", optional at extra cost.

STEERING: Hydraulic Power, over-all ratio 21.5 to 1.

FRAME: X-type, reinforced side bars with deep X-member

TIRES: Low pressure 4-ply rating 8.00 x 15 (Series 75: 6-ply rating 8.20 x 15). White Sidewall Tires\*, optional at extra cost.

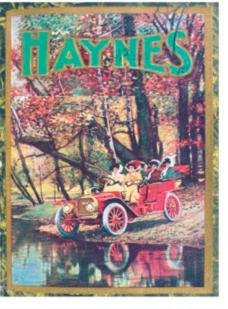
WIRE WHEELS\*: Heavy-gauge steel, chrome plated. Optional

WHEELBASE: 60 Special, 133"; Series 62, 129"; Series 75,

OVER-ALL LENGTH: Bumper to bumper, 60 Special, 227%; Series 62 Sedan, 216 %; Coupes and Convertibles, 223 %;

\*Standard on Eldoredo.













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- The wheel then receives a coat of acrylic sealer for color holdout.

- 4. The wheel then receives four coats of acrylic urethane to the original color or color of your choice.

  5. After eight hours, the wheel is color sanded and then left to dry a minimum of five days.

  6. The wheel is then hand buffed and polished. It is then packed for shipping and returned to you by U.P.S. SPECIAL NOTE; On wood grain wheels the cracks are repaired and then color toned and finished with three clear coats of acrylic urethane.
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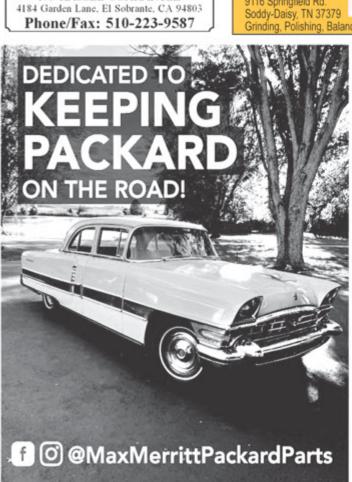


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**SOUTHERN WHEELS** 87







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s Spring approaches, I have a list of some of the projects we have to do. I always like to list the projects so that if parts get held up or tools are needed, I can work on something else. In other words, there is no down time. Even with rain, a snapped bolt, run in the paint-you know what I mean. You can soldier on.

The projects for this year are to (1) work towards completion on my '53 Buick Roadmaster hardtop. What's left is putting the chrome on, finishing the interior and tightening up everything. Then (2) finishing up the '48 Packard Custom 8 Coupe. What's left is the interior (I have), repaint and mount the trunk (the car is in Cavalier Maroon), and details. Besides those projects, there are always others. After this winter, I looked at my drivers: a 1984 Mercedes 300D, a '92 S-10 Pickup and a 1977 Silverado 3+3 34 ton Pickup, all good-running vehicles but covered with pollen and all needing cleaning up.

We started with the Mercedes. This is a car probably like many of you have. You have paint for it, plans to re-shoot, but there is always something more important to do. This is a car I drive a couple of times a week. I am a fan of these. Mercedes built these from '82-'85 with a turbo. I have had several from a '62-190D, 240D and two 300D's. The previous 300D went 450,000 miles and was still running as my wife and her seat began to sink out on the interstate. It's true! I was talking to Karen and part of the seat hit I-75. Of course, it was rust, but then another cream '84 300D came along, so we put the '82 away for parts and bought the cream '84. Everything works on this car, and the worst part of it is the dull paint. It's acrylic enamel and still has some buff life left in it. I put restorer Woody Johnson on making this look good again. He started by washing the car,









cleaning out the rain gutters with brushes, opening the hood, trunk and doors and cleaning out all of the "Spring" pollen residue, then thoroughly washing the car, tires, hubcaps and bumpers. I had changed a few things on this car and installed Euro headlights and OEM rims and "Star" hubcaps instead of the AMG wheels.

After drying the car off with microfiber towels, Woody took assessment of the paint and decided to go with buffing and polishing just to clean it up a bit. We used the 3M Perfect-It 1-2-3 paint finishing system.

To start, Woody used #36060 (quart), a fast-cutting pad that removes sand scratches and small surface defects. He put 5 dabs on an orange rough pad (we use the 7" buffer). We space the 5 dabs equally around the pad then press the pad against the car body, creat-

**APRIL 2025** 





CONTINUED

ing a creamy film before actually starting to buff. Then





the stencil with one hand (gloves on) and spray with the other. I've done it both ways, "frisket" masked and used this quick mask. The quick mask is great for a driver, while the frisket would be better for a restoration.

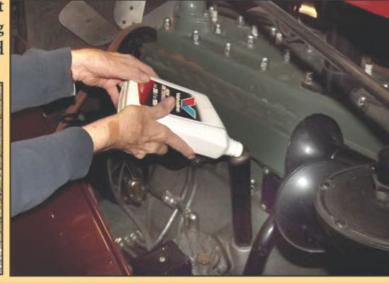
Another project that needed doing was changing the oil in my 1937 Packard



after the car is buffed with #1, we go to #2 (#06094). This removes swirl marks and smoothes the next buffing stages. Then #3, an ultrafine polish for a final step, (#06068), which gives a wet, glossy look even to paint such as ours. He then wiped the windows off and wiped the car off with spray wax. It looked nice and clean and was ready to make several trips around Georgia in a nice old Benz. One more thing that might be helpful on these cars: with the OEM star hubcaps, there is a factory plastic stencil to use when priming and painting (available online). Just strip all the paint off the hubcaps (I use spray paint remover) then wipe clean and hold







Super 8 original 320 straight 8. It had only been a little over a year, but this car isn't driven and when sitting can allow the oil to become very acidic, eating away at the 9 crankshaft bearings. Even though the oil looked clean, I changed it! I won't go into why I use a certain oil. I have done that in previous articles and they can be found online in our Archives. am the third owner of this classic '37 Super 8, so it is a car you would expect to be in excellent original condition. It holds 8 full quarts of oil and has

an OEM permanent oil filter. I still use Valvoline 30-weight non-detergent in all of my pre-1950 cars. I called Valvoline and was told they consider this lawn mower oil. and the zinc was not changed years ago when many oils had the zinc removed, so it's supposed to be about the same as it has always been. The oil filler cap was removed and with a 10-quart

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drain container under the car, the oil plug was removed and the oil was drained out. Being clean oil, the oil drained quickly, but I let it drain about an hour. It is a 3/4" nut oil drain plug and finding a brass seal washer may not be something you have on the shelf.

It measures 1". I had only one and ran the plug finger tight then locked it down with a 3/4" wrench. The plug's threads were fine, but the outside nut was chewed up, so I cleaned it up with a file, but there isn't much material that can be removed. You have to check the inside as well and the outside of the bolt. There's not much pot metal that can be filed away without leaving the plug too thin!

Seven and a half quarts of oil were added. The crankcase breather/ oil filler cap was put back on and the

CONTINUED

dipstick showed 7 ½ quarts. The car will be started and the other ½ quart will be added. I always like to slightly under-fill then add the rest. The '37 Super 8 is now ready for some Spring driving.

Things like this relax your mind and provide worry-free driving. Hope this finds you well. Get the cars out and keep 'em driving!





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