

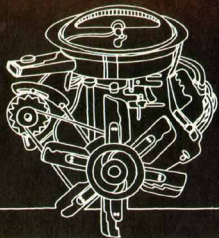


DR. OLD SMOBILE'S 4-4-2 AND W-MACHINES

Detailed 4-4-2, W-30, and W-31 specifications; special packages; new performance parts and accessories; plus an order form inside.



4-4-2 W-30



**FOR 1970,
DR. OLDSMOBILE
INTRODUCES
AS LARGE A V-8 AS
EVER BOLTED INTO A
SPECIAL-PERFORMANCE
PRODUCTION
AUTOMOBILE!**

There's more than one way to make a car run.

You can load up on cubic inches. Or you can cut down on excess weight. For 1970, the good doctor accomplished both.

He's come up with a new 455-cube V-8 that actually weighs in lighter than last year's 400-cube job!

It's big. It's strong. And it's standard—in every 1970 Olds 4-4-2!

Here's how a 455-powered 4-4-2 dresses out when ordered with the good W-Machine equipment . . .

4-4-2 W-MACHINE SPECS

Engine type	.....H.C. air-inducted W-30 Rocket V-8
Displacement	.....455 cu. in.
Bhp	.....370 at 5200 rpm
Torque, lb.-ft.	.....500 at 3600 rpm
Bore x stroke, in.	.....4.125 x 4.250
Compression ratio	.....10.50-to-1
Combustion chamber volume, min. allowable	.....81.72 cc
Min. cyl. head vol.	.....69.75 cc
Min. deck clearance	......002 below
Carburetion	.....Quadrajets 4-bbl performance-calibrated

Intake manifold	.....Aluminum
Camshaft duration	.....328°
Intake, exhaust	.....Camshaft overlap
Intake, exhaust	.....108°
Total valve lift	......475
Intake, exhaust	.....Valve diameter (Max.)
Intake	.....2.077
Exhaust	.....1.630
Brakes	.....Manual discs, front, 9.5-inch drums, rear
Transmission	.....Full sync h-d close-ratio 4-speed with Hurst Competi-

tion Shifter, or beefed, performance-calibrated Turbo Hydra-matic 400, required.

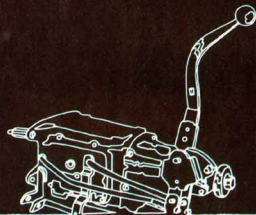
Axle	.....3.42 Anti-Spin
Exhaust system	.....Full duals
Cooling system	.....H-d radiator and power-saving clutch fan
Suspension	.....FE2
	Includes h-d springs, shocks, control arms, plus stabilizer bars front and rear.
Wheels	.....H-d 14" with 7" rim
Tires	.....PK5 G70 x 14" bias-ply, glass-belted

blackwalls with raised white letters. Mirrors Two sports-styled outside mirrors (left-side with remote control).

Also included in W-30: Lightweight fiberglass hood with functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (W25). "Select fit" engine parts. Reduced body sound deadener. Special paint stripes along body sides. Die-cast W-30 identification on front fenders. Strato Bucket Seats are standard in all 4-4-2 models.

Olds offers, at modest extra cost, a variety of options and accessories, many of which are shown in the car illustrations.

CUTLASS S W-31



**THE GOOD DOC
GOT BUSY INSIDE TOO.
MEET THE FIRST
HEAVY-DUTY SHIFTER
MOUNTED IN BUTTER!**

Bolt a stick onto a really tough 3- or 4-speed gear-box and you've got a back-busting shifting job ahead of you, right? Wrong!

The good Doc has that problem completely trailered.

He's coupled beefed, precision gearing with that irrepensible Hurst Competition Shifter.

Fast? Easy? You go through the digits like a hot knife whips through butter! Here's how Olds Cutlass S (or F-85) stacks up when ordered with complete W-Machine equipment . . .

CUTLASS S W-MACHINE SPECS

Engine type	.....H.C. air-inducted
W-31 Rocket V-8	
Displacement	.....350 cu. in.
Bhp	.....325 at 5400 rpm
Torque, lb.-ft.	.....360 at 3600 rpm
Bore x stroke, in.	.....4.057 x 3.385
Compression ratio	.....10.50-to-1
Combustion chamber volume, min. allowable	.....67.92 cc
Min. cyl. head vol.	.....60.58 cc
Min. deck clearance	......002 below
Carburetion	.....Quadrajel 4-bbl performance-calibrated

Intake manifold	.....Aluminum
Camshaft duration	.....308°
Intake, exhaust	.....82°
Camshaft overlap	.....82°
Total valve lift	......474
Intake	......474
Exhaust	......474
Valve diameter (Max.)	.....2.005
Intake	.....1.630
Exhaust	.....1.630
Brakes	.....Manual discs, front, 9.5-inch drums, rear
Transmission	.....Full sync h-d 3-on-the-

floor with Hurst Competition Shifter;	
close- or wide-ratio h-d 4-speed	
with Hurst Competition Shifter; or	
beefed, performance-calibrated	
Turbo Hydra-matic 350, required.	
Axle	.....3.91 Anti-Spin
Cooling system	.....Extra h-d radiator and power-saving clutch fan
Suspension	.....FE2
Includes h-d springs, shocks, control arms, plus stabilizer bars front and rear.	
Wheels	.....H-d 14" with 7" rim
Tires	.....PKS

G70 x 14" bias-ply, glass-belted blackwalls with raised white letters.	
Mirrors	.....Two sports-styled outside mirrors (left-side with remote control).
Exhaust system	.....Full duals
Also included in W-31: Lightweight fiberglass hood with functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (W25). "Select fit" engine parts. Reduced body sound deadener. Special paint stripes along body sides. Die-cast W-31 identification on front fenders.	

Olds offers, at modest extra cost, a variety of options and accessories, many of which are shown in the car illustrations.

DR. O EMERGES FROM THE WIND TUNNEL. AND A COMPETITION-CHILLING, UNDER-HOOD BLIZZARD IS BORN!

There are all kinds of hood scoops around. Many of them are just for looks. And a lot of others might just as well be.

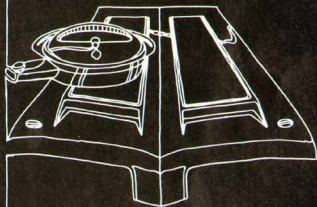
Dr. Oldsmobile figures if you're going to do something, you ought to do it up big.

That means designing and testing air-grabbing scoops that are big enough and placed forward far enough to really do the job.

Cold-Air Induction will never replace cubes or high-compression (which Olds already has plenty of). But Cold-Air can be icing on the cake by getting you extra hp out of thin air—when done properly!

OLDS 4-4-2 SPECS

Engine type H.C. Rocket V-8
 Displacement 455 cu. in.
 Bhp 365 at 5200 rpm
 Torque, lb.-ft. 500 at 3200 rpm
 Bore x stroke, in. 4.125 x 4.250
 Compression ratio 10.50-to-1
 Combustion chamber volume, min. allowable 91.72 cc
 Min. cyl. head vol. 69.75 cc
 Min. deck clearance002 below Carburetion Quadrajets 4-bbl
 Camshaft duration
 Intake/exhaust (Sync) 294 / 296°
 Intake/exhaust (Auto) 285 / 287°
 Camshaft overlap
 Intake/exhaust (Sync) 68°
 Intake/exhaust (Auto) 57°
 Total valve lift
 Intake/exhaust472
 Valve diameter (Max.)
 Intake 2.077
 Exhaust 1.630
 Brakes 9.5" drums, 157.8 sq. in. lining area
 Transmission Full sync h-d 3-on-the-floor with Hurst Competition Shifter.
 Axle (Sync) 3.08 ratio
 Exhaust system Full duals
 Suspension FE2
 Includes h-d springs, shock, control arms, plus stabilizer bars front and rear.
 Wheels H-d 14" with 7" rim
 Tires P26
 G70 bias-ply, glass-belted with white stripe.
 Strato Bucket Seats, standard in all 4-4-2 models.
 Lightweight fiberglass hood, functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (W25), available.



4-4-2





**NOSE AROUND
IN THE GOOD DOG'S
PARTS BIN AND
HERE'S JUST A FEW
THINGS YOU'RE LIKELY
TO FIND...**

M21 Heavy-Duty Close-Ratio 4-Speed. Fully synchronized. Features helical-cut forged gears, forged gearshafts, high-capacity bearings, lightweight aluminum case, and Hurst Competition Shifter. Ratios: 2.20:1, 1.64:1, 1.28:1, 1.00:1, 2.60:1 (reverse). Required with manual W-30.

M20 Heavy-Duty Wide-Ratio 4-Speed (with same features as M21). Ratios: 2.52:1, 1.88:1, 1.46:1, 1.00:1, 2.60:1 (reverse). Not available in 4-4-2 models.

M40 Beefed Turbo Hydra-matic 400. Performance-calibrated, 3-speeds forward. Features high-performance torque converter, high rpm shift points, and firm-up shifts. Available in W-30 only. 350 version (M38) available in W-31 only.

D35 Sports-Styled Outside Mirrors. Aerodynamically designed for low wind resistance. Color-keyed to body color. Left-side mirror features remote control.

N34 Custom-Sport Steering Wheel. Has four brushed-metal spokes and soft, leather-grain-vinyl rim for positive, non-slip grip.

PK5 Super-Wide G70 x 14" Tires. Bias-ply, glass-belted blackwalls with raised white letters. They really put a foot down.

U21 Rocket Rally Pac. Includes 7000-rpm dash-mounted tach, clock, plus temperature and oil pressure gauges.

W25 Hood, New Performance/Appearance Package for 1970. Available on all 4-4-2 and Outlass S 4-bbl models.

W35 In-Wo, W-31 packages. Features lightweight fiberglass hood with functional air scoops, chromed hood tie-downs, big hood stripes, and low-restriction air cleaner.

W26 Hurst Dual-Gate Shifter in Sports Console. For those who are torn between a manual or automatic. This one gives you a handful of both. Available with bucket seat models only. Features Hurst Shifter and lighted, lockable map compartment.

W27 Aluminum Axle Carrier and Cover. Reduces weight over the conventional cast iron carrier by more than 22 pounds. Available with W-30, W-31, and W-32 only.

FE2 Special Heavy-Duty Suspension. Includes heavy-duty springs, shocks,

and lower control arms, plus stabilizer bars both *front and rear!* The imitators are already popping up faster than you can say "me too."

W35 New Rear-Deck Spoiler. Full-width fiberglass wing with up-sweep tips. Color-keyed to body color. Designed for increased rear-wheel traction at higher speeds.

P05 Super Stock I Wheels—bold and beefy. N66 Super Stock II Wheels—with big, see-through louvers. N95 For that wire-wheel look.

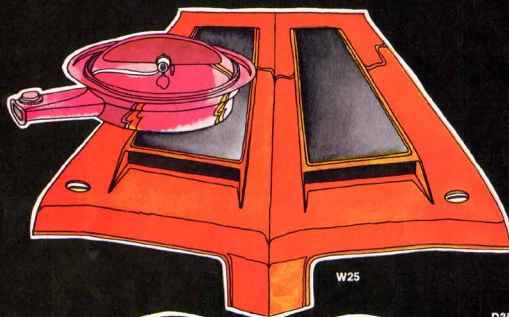
SPECIAL NOTE: Three new performance packages now available, including two for full-size 1970 Olds models.

W32 Outlass Supreme Performance Package. Available with Outlass Su-

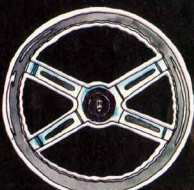
preme SX package only. Features a Quadrajel 4-bbl carburetor; along with the 455-cube, high-compression V-8, Turbo Hydra-matic 400 transmission, dual exhausts, and distinctive ornamentation which are included in the SX package.

W33 Olds 88 Performance Package. Available in all Delta 88 models with automatic transmission. Package includes a high-performance 455-cube/390-hp Rocket V-8, 4-bbl carb, dual exhausts, and 2.93-1 axle.

W34 Tornado GT Package. Includes high-performance 455-cube/400-hp Rocket V-8, 4-bbl carb, dual exhausts, special performance-calibrated Turbo Hydra-matic 400 transmission, "GT" hood emblem, custom paint striping,



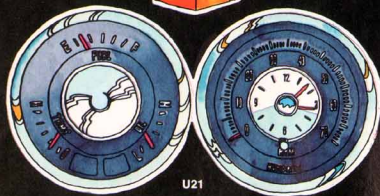
W25



N34



D35



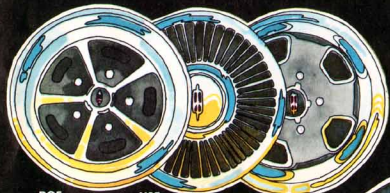
U21



W35



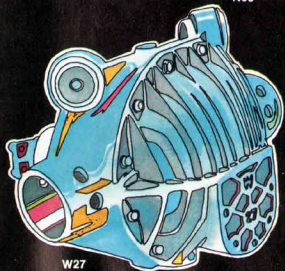
PK5



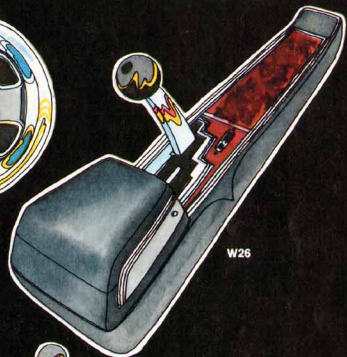
P05

N95

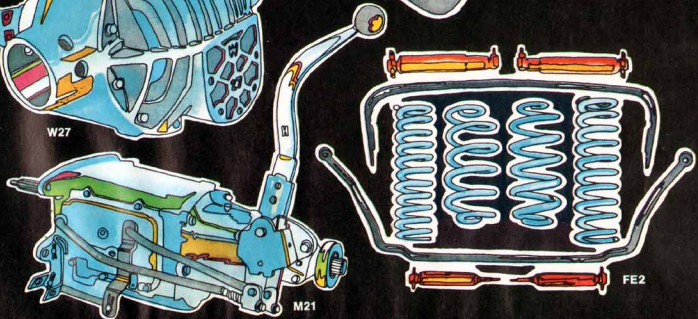
N66



W27



W26



FE2

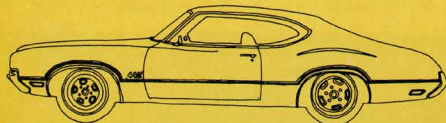
M21



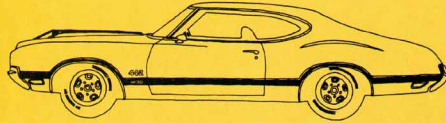
GETTING YOUR 4-4-2 OR W-MACHINE EXACTLY THE WAY YOU WANT IT!

(To expedite matters, simply check the boxes below which indicate the equipment and level of performance you're after.

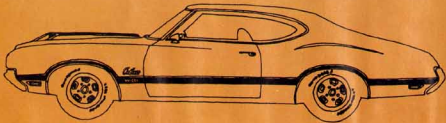
4-4-2 Probably the most beautiful balance of performance, ride, handling, and status on the street today! Standard equipment includes: H.C. 455-cube V-8, 4-bbl carb. Full dual exhausts. Heavy-duty FE2 suspension with front and rear stabilizer bars. Super-wide G70 x 14" bias-ply, glass-belted tires with white stripes. Heavy-duty 7" wheels. Fully synchronized heavy-duty 3-speed manual transmission with Hurst Competition Shifter. Wood-grain applique on dash and door panels. Strato Bucket Seats. Custom pin striping on side and rear. Chromed cowl louvers. And more. 4-4-2 available in Holiday Coupe, Sports Coupe, and Convertible.



4-4-2 W-30 The original Olds cold-air machine. Now featuring the big 455-cube-inch V-8 with 370-hp induced horsepower. Nobody offers more—in cubes! Or looks! W-30 Package includes: Special 455-cube, cold-air V-8 with "select fill" parts. Lightweight fiberglass hood with functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (W25). Performance-calibrated 4-bbl carb. High-overlap cam. Manual disc brakes, front; drums, rear. Power-calibrated 4-bbl carb. Manual saving clutch fan. Lightweight aluminum intake manifold. Reduced body sound deadener. Two sports-styled mirrors (D35). G70 bias-ply, glass-belted raised white letter tires (PK5). Special paint stripes along body sides. Die-cast W-30 identification on front fenders. All 4-4-2 standard equipment included in 4-4-2 W-30 except where replaced with W-Machine equipment.



CUTLASS S W-31 It's like having two cars for the price of one! Because this W-Machine is equally at home in all-road street use or off-the-road service. W-31 package available in Cutlass S or F-85. Includes: Special 350-cube, cold-air V-8 with "select fill" parts. Lightweight fiberglass hood with functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (W25). Performance-calibrated 4-bbl carb. High overlap cam. Manual disc brakes, front; drums, rear. Power-saving clutch fan. Lightweight aluminum intake manifold. Reduced body sound deadener. Two sports-styled mirrors (D35). G70 bias-ply, glass-belted raised white letter tires (PK5). H-d suspension (FE2). Full dual exhausts (N10). Special paint stripes along body sides. Die-cast W-31 identification on front fenders.



Then get with your Olds dealer.)

Available with 4-4-2:

- W25 Lightweight fiberglass hood with functional scoops, big hood stripes, chromed hood tie-downs, and low-restriction air cleaner (included in W-30).
- W26 Dual-Gate Shifter in Console. Includes Hurst Shifter, console, wood-grain applique, lockable (and lighted) map compartment, front and rear console lamps. M40 required.
- D55 Sports Console. Includes transmission shift lever, wood-grain applique, and lockable map compartment.
- W-30 See listing of W-30 package components under 4-4-2 W-30 on facing page.
- D35 Two sports-styled outside mirrors (left-side with remote control).
- G80 Anti-Spin Performance Axle. Automatically shifts power to wheel

- with best traction. Included in G88, G92.
- G88 Performance Axle Package. 3.91-to-1. Includes extra-heavy-duty radiator and power-saving clutch fan, Anti-Spin, and heavy-duty axle shafts.
- G92 Performance Axle Package. 3.42-to-1. Includes heavy-duty radiator, Anti-Spin, and heavy-duty axle shafts.
- 4.33-, 4.66-, 5.00-to-1 axle ratios also available, dealer-installed. (Not recommended for street use.)
- M21 Fully synchronized, heavy-duty, close-ratio 4-speed transmission. Includes Hurst Competition Shifter and 3.42 axle ratio.
- M40 Turbo Hydra-matic 400 automatic. Three forward speeds. Includes 3.23 axle ratio.
- N34 Custom-Sport Steering Wheel. 4-spoke, with soft leather-grain-vinyl

- non-slip rim.
- N47 Vari-Ratio Power Steering.
- JL2 Power Brakes with discs up front.
- N66 Super Stock II Wheels.
- N95 Simulated Wire Wheels.
- P05 Super Stock I Wheels.
- U21 Rocket Rally Pac. Includes 7000-rpm tach, clock, plus temperature and oil gauges.
- W35 Rear-Deck Spoiler, fiberglass.
- Y73 GT Hood Paint Stripes. Not available with W-25 or W-30.

To assure the ultimate in performance and reliability, the following items are required when ordering your 4-4-2 W-Machine:

- M21 Fully synchronized, heavy-duty close-ratio 4-speed transmission. Includes Hurst Competition Shifter. OR
 - M40 Special "W" Turbo Hydra-matic 400. Includes high-performance torque converter, high rpm shift points, and firm-up shifts.
 - G91 Axle, 3.23-to-1. With C60.
 - G92 Performance Axle Package. 3.42-to-1. Includes heavy-duty axle shafts, Anti-Spin, and heavy-duty axle shafts.
- Available with 4-4-2 W-30:
- C60 Air Conditioning. Now available on W-30 with 3.23-to-1 axle ratio. M40 and JL2 required.

- W27 Aluminum Axle Carrier and Cover.
- W26 Dual-Gate Shifter in Console. Includes Hurst Shifter, console, wood-grain applique, lockable (and lighted) map compartment, front and rear console lamps. M40 required.
- D55 Sports Console with transmission shift lever. Includes wood-grain applique and lockable map compartment.
- G88 Performance Axle Package. 3.91-to-1. Includes extra-heavy-duty radiator, Anti-Spin, and heavy-duty axle shafts. Recommended for off-highway use.
- 4.33-, 4.66-, and 5.00-to-1 ratios available—dealer installed. (Not recommended for street use.)
- N34 Custom-Sport Steering Wheel. 4-spoke, with soft leather-grain-vinyl non-slip rim.

- N47 Vari-Ratio Power Steering.
- JL2 Power Brakes with discs up front (automatic only).
- N66 Super Stock II Wheels.
- N95 Simulated Wire Wheels.
- P05 Super Stock I Wheels.
- U21 Rocket Rally Pac. Includes 7000-rpm tach, clock, plus temperature and oil gauges.
- W35 Rear-Deck Spoiler, fiberglass.

To assure the ultimate in performance and reliability, the following items are required when ordering your F-85 or Cutlass S W-Machine:

- M14 Fully synchronized, heavy-duty 3-speed manual transmission. Includes Hurst Competition Shifter. OR
- M20 Fully synchronized, heavy-duty wide-ratio 4-speed manual transmission. Includes Hurst Competition Shifter. OR
- M21 Fully synchronized, heavy-duty close-ratio 4-speed manual transmission. Includes Hurst Competition Shifter. OR
- M33 Special "W" Turbo Hydra-matic 350. Includes high-performance torque converter, high rpm shift points, and firm-up shifts.

- G88 Performance Axle Package. 3.91-to-1. Includes extra-heavy-duty radiator, Anti-Spin, and heavy-duty axle shafts. OR
 - G92 Performance Axle Package. 3.42-to-1. Includes heavy-duty radiator, Anti-Spin, and heavy-duty axle shafts.
- Available with W-31:
- W27 Aluminum Axle Carrier and Cover.
 - W26 Dual-Gate Shifter in Console. Includes Hurst Shifter, console, wood-grain applique, lockable (and lighted) map compartment, front and rear console lamps. M40 required.
 - D55 Sports Console with transmission shift lever. Includes wood-grain applique and lockable map compartment.
 - 4.33-, 4.66-, and 5.00-to-1 ratios available—dealer installed. (Not recom-

- mended for street use.)
- N34 Custom-Sport Steering Wheel. 4-spoke with soft leather-grain-vinyl non-slip rim.
- N47 Vari-Ratio Power Steering.
- N66 Super Stock II Wheels.
- N95 Simulated Wire Wheels.
- P05 Super Stock I Wheels.
- U21 Rocket Rally Pac. Includes 7000-rpm tach, clock, plus temperature and oil gauges.
- W35 Rear-Deck Spoiler, fiberglass.

For comfort and convenience accessories available with 4-4-2, W-30, and W-31, see your Olds dealer.

