

Here's What Makes 'em Run...

GTO

Engines:	Standard	Optional 2-BBL	400 Ram Air	400 Ram Air IV
Bhp @ rpm	350 @ 5000	265 @ 4600	366 @ 5100	370 @ 5500
Torque (lb.-ft.)	445 @ 3000	397 @ 2400	445 @ 3600	445 @ 3900
Type	OHV V-8	OHV V-8	OHV V-8	OHV V-8
Bore & Stroke	4.12 x 3.75	4.12 x 3.75	4.12 x 3.75	4.12 x 3.75
Displacement (cu. in.)	400	400	400	400
Compression Ratio	10.75:1	9.2:1	10.75:1	10.75:1
Minimum allowable combustion chamber volume (cc.)	65.0	90.0	65.0	65.0
Carburetion	4-BBL	2-BBL	4-BBL	4-BBL
Camshaft duration (deg.)			Man.	Auto.
—intake	273	269	301	288
—exhaust	289	277	313	302
—overlap	54	47	76	63
Camshaft Lift @ Zero Lash—intake	.410 ± .011	.376 ± .011	.414 ± .011	.520 ± .011
—exhaust	.413 ± .011	.412 ± .011	.413 ± .011	.520 ± .011

Heavy-duty Moraine-400 main and rod bearings. Flat-top pistons with valve indents. High-performance hydraulic valve lifters and springs. Manual transmission lash, limited-travel hydraulic lifters standard on Ram Air IV engine. Large diameter valves—2.11" intake, 1.77" exhaust (1.96" and 1.66" on 2-BBL). Dual exhausts, low-restriction mufflers. Power-Flex fan. Low-restriction air cleaner on 350 and 366. Functional hood scoop and air trap on Ram Air and Ram Air IV's. High-output cam and springs. 4-bolt main-bearing caps.

Transmissions: A fully synchro, heavy-duty, 3-speed with Hurst floor shifter is standard. Ratios are 2.42:1, 1.61:1, and 1.00:1.

Next two versions of the fully synchronized, aluminum-case 4-speed with Hurst floor shifter: Wide-ratio—2.52:1, 1.88:1, 1.46:1 and 1.00:1. Close-ratio (available only with 3.90:1 and 4.33:1 axle ratios for special driving)—2.20:1, 1.64:1, 1.28:1 and 1.00:1.

Then there's our new heavy-duty, 3-speed torque converter Turbo Hydra-matic, its lever mounted on the steering column. Ratios are 2.48:1, 1.48:1 and 1.00:1, with a total torque multiplication at the start of 5.70:1 (5.09:1 with 2-BBL). The governor is set for a maximum automatic upshift at 4400—2-BBL; 4800—Std.; 5200—R.A. & R.A. IV; all 1200 rpm.

Console will accommodate the shift lever for all floor-shift transmissions when ordered.

Steering: Recirculating ball bearing steering gear. Standard ratio is 24:1. Power steering is 15.0:1.

Suspension: Heavy-duty coil springs have wheel rates of 91 and 106 pounds per inch, front and rear. Diameter of stabilizer bar is 1".

We'd suggest you try this already heavy-duty standard suspension before you make up your mind about the stiffer shock absorbers (99 and 125 pounds per inch, front and rear) we have available.

Brakes: Diameter of finned drum is 9.5", with a swept area of 269.2 sq. in. All power brakes have front discs. Diameter: 10.94"; swept area 350.9 sq. in.

Capacities: The gas tank holds 21.5 gallons. Oil capacity is 5 quarts, 6 with filter. Radiator holds 18.3 quarts.

Axle Ratios:						
Engine	Transmission	Standard Axle Ratio	Optional Ratio	Special-order Axle Ratios		
265 bhp	automatic only	2.93	2.56	2.78†	3.23	
350 bhp	3- or 4-speed automatic	3.55	3.23†	3.08	3.36*	3.90* 4.33*
366 bhp	3- or 4-speed automatic	3.55	3.23†	3.08	3.36*	3.90* 4.33*
370 bhp	3- or 4-speed automatic	3.90*			4.33*	
Ram Air						
Ram Air IV						

†Standard axle ratio with air conditioning. *Air conditioning not available. Special 4.11:1 axle ratio is available, dealer-installed, but make sure you order the car with the heavy-duty 3-speed or close-ratio 4-speed and 3.90:1 axle ratio. Certain special-order combinations require extra-cost items such as a heavy-duty radiator, limited-slip differential, special brakes and speedometer gear adapters. Be sure to see your dealer's detailed power train specifications for this information.

Total Final Drive Ratios:										
	Wide-ratio 4-speed				Close-ratio 4-speed				MPH	
Axle Ratios	1	2	3	4	1	2	3	4	per 1000 rpm in high gear	
3.08	2.52	1.88	1.46	1.00	2.20	1.64	1.28	1.00	25.6	
3.23	7.76	5.79	4.50	3.08	N.A.	N.A.	N.A.	N.A.	24.4	
3.36	8.47	6.32	4.90	3.36	N.A.	N.A.	N.A.	N.A.	23.5	
3.55	8.95	6.67	5.18	3.55	N.A.	N.A.	N.A.	N.A.	22.2	
3.90	9.83	7.33	5.69	3.90	8.58	6.40	4.99	3.90	20.2	
4.11	10.36	7.73	6.00	4.11	9.04	6.74	5.26	4.11	19.2	
4.33	10.91	8.14	6.32	4.33	9.53	7.10	5.54	4.33	18.2	

Weight to Power Ratios:				
Model	Engine	3-speed stick	4-speed stick	Automatic
	265	N.A.	N.A.	3513 (13.3)
	350	3503 (10.0)	3481 (10.0)	3513 (10.0)
Hardtop	366	3503 (9.6)	3481 (9.5)	3513 (9.6)
	370	3491 (9.4)	3469 (9.4)	3501 (9.5)
	265	N.A.	N.A.	3563 (13.5)
Convertible	350	3553 (10.2)	3531 (10.1)	3563 (10.2)
	366	3553 (9.7)	3531 (9.6)	3563 (9.7)
	370	3541 (9.6)	3519 (9.5)	3551 (9.6)

The Judge

ENGINE

Cylinders	8
Bore and stroke	4.12 x 3.75
Displacement	400
Compression ratio	10.75:1
Horsepower	366 @ 5100
Torque	445 @ 3600
Valves: intake	2.11 in.
exhaust	1.77 in.

Camshaft:	
Lift (Man. Trans.)	.413 intake, .413 exhaust
Duration (Man. Trans.)	301" intake, 313" exhaust
Lift (Auto. Trans.)	.414 intake, .413 exhaust
Duration (Auto. Trans.)	288" intake, 302" exhaust
Carburetion	1 4-bbl. Quadra-jet
Exhaust system	Dual w/low-restriction muffler

DIFFERENTIAL

Ratio	3.55:1
Special-order ratios	3.90:1, 4.33:1

BRAKES

Type	Drum, front & rear
Dimensions:	
Front diam.	9.5 in.
Rear diam.	9.5 in.
Swept area	269.2 sq. in.

SUSPENSION

Front	Heavy-duty coil
Rear	Heavy-duty coil
Stabilizer	1.00-in. diameter
Tires	G70—14 Black Polyglas
Rims	6-in. wide
Steering gear:	
Type	Recirculating ball bearing
Ratio	24:1
Turning circle	37.4 ft.
Turns of steering wheel, lock to lock	5.6

TRANSMISSION

Type	3-speed manual
Ratios: 1st	2.42:1
2nd	1.61:1
3rd	1.00:1

Wide- or close-ratio 4-speed manual and Turbo Hydra-matic transmissions also available.

DIMENSIONS

Wheelbase	112 in.
Front track	61 in.
Rear track	60 in.
Overall height	52.3 in.
Overall width	75.8 in.
Overall length	201.5 in.
Shipping weight	3,503 lbs.
Crankcase capacity	5 qts.
Cooling system	18.3 qts.
Fuel tank	21.5 gals.

Firebird 400 H.O. RAM AIR IV

Engines	400 H.O.	400 Ram Air IV
Bhp @ rpm	335 @ 5000 rpm	345 @ 5400 rpm
Torque (lb.-ft.)	430 @ 3400 rpm	430 @ 3700 rpm
Type	OHV V-8 4-BBL	OHV V-8 4-BBL
Bore & Stroke	4.12 x 3.75	4.12 x 3.75
Displacement (cu. in.)	400	400

Compression Ratio	10.75:1	75:1
Minimum allowable combustion chamber volume (cc.)	65.0	65.0
Camshaft duration—intake (deg.)	Auto. 273	Man. 288
—exhaust	289	302
—overlap	54	63
Camshaft Lift @ Zero Lash—intake	.410	.414
—exhaust	.413	.413

*With 1.65:1 rocker arms.

Axle ratios# (mph/1000 rpm in high gear):

	Manual Trans.	Auto. Trans.	Optional Ratios
Firebird 400 H.O.	3.36:1 (22.5)	3.08:1 (24.6)	3.55:1* (21.4) Spec. ord. 3.90:1* (19.4) 4.33:1* (17.5)
400 Ram Air IV	3.90:1* (19.4)	3.90:1* (19.4)	4.33:1* (17.5)

#Some ratios require extra-cost items like heavy-duty cooling package, limited-slip differential, etc. Special 4.11:1 ratio, available dealer-installed. *Not available w/air conditioning.

Transmissions: A fully synchro, heavy-duty 3-speed with Hurst floor shifter is standard with the 400 H.O. The Ram Air IV takes a heavy-duty 4-speed, also on the floor. (This same 4-speed can be ordered for the 400 H.O.) You can also order our heavy-duty, 3-speed Turbo Hydra-matic for both engines. The console accommodates the shift lever for all floor-shift transmissions.

Firebird 400

ENGINE

Type	OHV V-8
Bore and stroke	4.12 x 3.75
Displacement	400 cubic inches
Compression ratio	10.75:1
Bhp @ rpm	330 @ 4800
Torque @ rpm	430 @ 3300 rpm
Carburetion	4-bbl
Type fuel required	premium

CHASSIS/BODY

Brakes	drums, 9.5 in.; 269.2 sq. in. swept area. Front disc diameter, 10.94 in.; 323.6 sq. in., total opt. system
Wheels	steel 14 in. x 7 in.
Tires	Wide-oval Redline F70—14
Steering	ratio 24:1; power
Suspension	heavy-duty springs with wheel rates of 85.0 lbs. per in., front; 90 lbs. per in., rear

TRANSMISSIONS

A fully synchro 3-speed with Hurst floor shifter is standard. Also available are wide- and close-ratio manual 4-speeds and our 3-speed Turbo Hydra-matic. Each can be floor-mounted. And the shifter for each can be accommodated by the optional console.

GENERAL

Wheelbase	108.1"
Track, front/rear	60/60

Overall length	191.1"
width	73.9"
height	49.6"
Overhang, front/rear	40.7/42.3
Fuel tank capacity, gal.	18.5

ACCOMMODATION

Seating capacity, persons	5
Seats	bucket-type, front

INSTRUMENTATION

Instruments: speedometer, odometer, fuel. Warning lights: brake, turn indicator, high-beam, oil-pressure, coolant temp., ammeter.

Grand Prix

GRAND PRIX specifications

Transmissions: Fully synchronized 3-speed manual. Floor-mounted shifter. Drive ratios of 2.42:1 in low, 1.61:1 in 2nd, 1.00:1 in 3rd. Turbo Hydra-matic 3-speed automatic. Floor-mounted lever. Drive ratios of 2.48:1 in low, 1.48:1 in 2nd, 1.00:1 in 3rd. Close-ratio, fully synchronized 4-speed manual. Floor-mounted lever. Drive ratios: 2.20:1 in 1st, 1.64:1 in 2nd, 1.28:1 in 3rd, 1.00:1 in 4th.

Suspension: Independent front with coil springs and double-acting shock absorbers. 4-link rear suspension, spring-over-axle of Salisbury design with complete front and rear U-joints. **Steering Type:** Recirculating ball bearing steering gear. Standard. Ratio is 24:1. Saginaw variable-ratio power. Ratio is 16.1:1—12.4:1. **Wheels:** 14-in. dia x 7 in. wide. **Tires** G78—14 fiber glass belted. **Brakes:** Diameter of finned drum is 9.5", with a swept area of 269.2". All power brakes have single-piston front discs. Diameter: 10.94", swept area: 350.9". **Fuel Capacity:** 21.5 gals. **Body and Frame:** Separate construction. Perimeter-type frame. **Dimensions:** Wheelbase: 118.0 ins. Track: front 62 ins., rear 60 ins. Overall length 210.2 ins., width 75.7 ins., height 52.1 ins. **Curb Weight:** 3,885 lbs.

Engines:	428	428 H.O.
Bhp @ rpm	370 @ 4800	390 @ 5200
Torque (lb.-ft.)	472 @ 3200	465 @ 3400
Type	OHV V-8 4-BBL	OHV V-8 4-BBL
Bore and stroke	4.12 x 4.00	4.12 x 4.00
Displacement (cu. in.)	428	428
Compression ratio	10.5:1	10.75:1
Minimum allowable combustion chamber volume (cc.)	68	65
Camshaft duration (deg.)	Man. 273	Auto. 288
—intake	273	288
—exhaust	289	302
—overlap	54	63
Camshaft Lift @ Zero Lash—intake	.410 ± .011	.414 ± .011
—exhaust	.413 ± .011	.413 ± .011

Axle ratios (mph/1000 rpm in high gear)			
	Manual Transmission	Automatic Transmission	Optional Ratios
428	3-speed 3.55 (22.2)	3.23 (24.4)	3.36 (23.5) } 3.90 (20.2) } ^a
428 H.O.	3.55 (22.2)	3.36 (23.5)	3.23 (24.4) } 3.36 (23.5) } ^a 3.90 (20.2)

a—Not available with air conditioning; b—With air conditioning.



Pontiac Firebird 400. Sock it to the highway.

With hood-mounted tach, Ram Air IV, 345-hp V-8 and functional hood scoops.



Pontiac Grand Prix. The hidden persuader's under the hood.

With close-ratio 4-speed, "Model SJ" package, 390-hp, 428-cube H.O. V-8 and the longest hood in the business.



Pontiac GTO. The goat that prefers iron to tin.

With Ram Air IV, 370-hp, 400-cube V-8, redline Polyglas wide-ovals and hood-mounted tach.

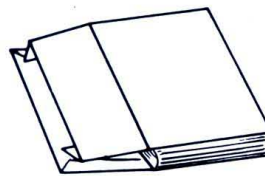
G
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**HERE'S HOW YOU CAN
MAKE THIS COVER
FIT YOUR BOOK EASILY**

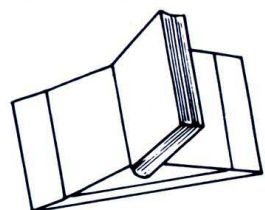
1. To center book on cover, place book so that edges match the same letters (A, B, C, D, etc.) at ends of top and bottom ruled lines.



2. Fold cover along same lines touched by edges of book.

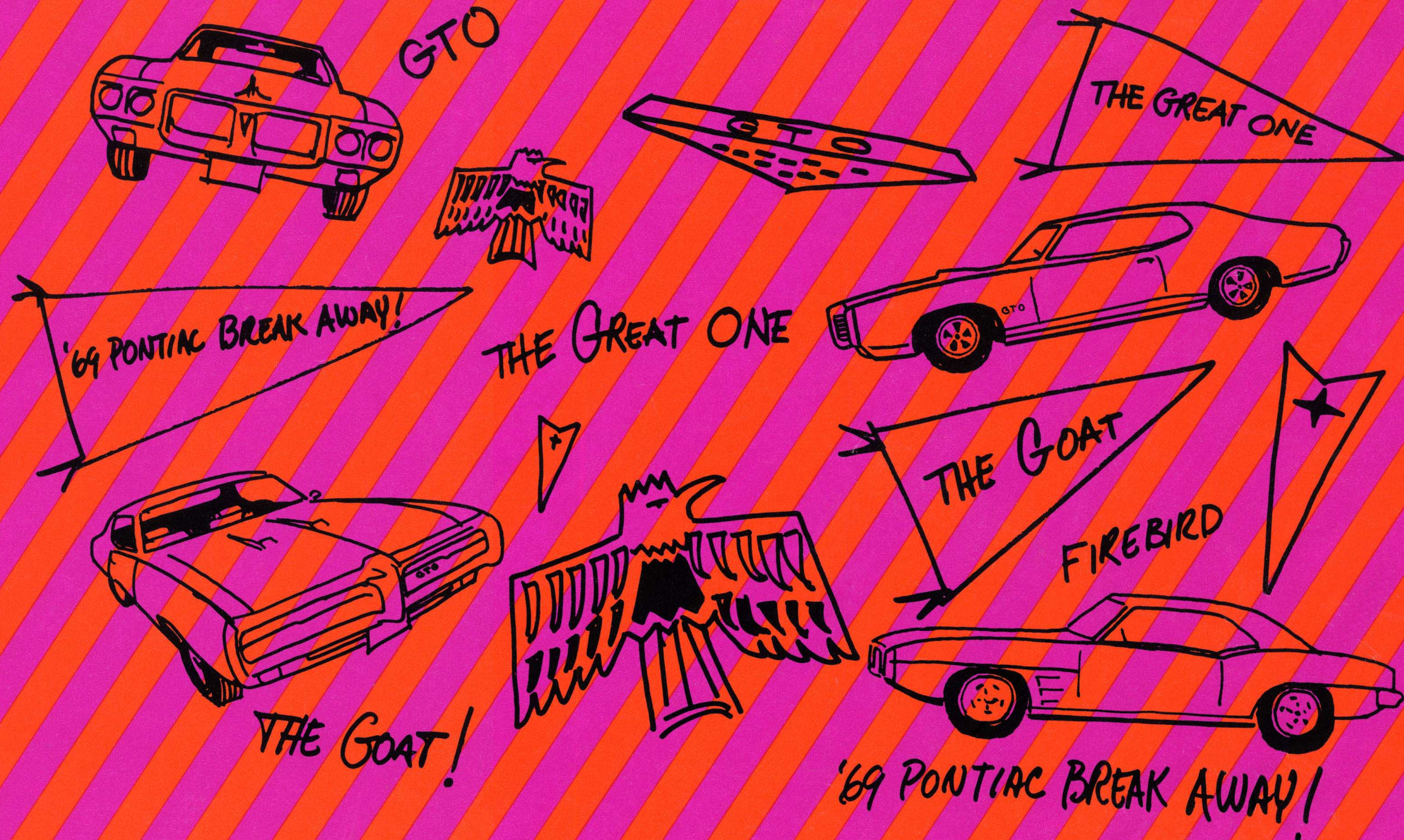


3. Wrap cover around book, making sure both ends of cover extend same distance from sides of book. Crease and fold under the ends of the cover that project.



4. Remove book from cover, and insert ends of book in pockets made by folds in the cover. Close the book slowly, and you have a clean, attractively covered book.

A
B
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G
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BOOK TITLE

This Book Belongs to

NAME

ADDRESS

CITY OR TOWN

PHONE

A
B
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