

PHS *automotive services, inc.*

Dear Pontiac Enthusiast:

Thank you for your inquiry concerning the history package on your Pontiac. There are several items that you should be aware of:

1. The microfilm quality is not the best. In those cases where it is difficult to read, we've hand written the data. Additionally, in all cases, the copy attached is the very best we can reproduce.
2. We've attached a copy of the car order form, matching your car, for ease in decoding the manifest or billing history card. Options such as code "382" found on the manifest refer to the same option on the order form (in this case a "382" is the GTO option for 1964/65). Don't try to decode all of options from the manifest, as several codes were used to describe things as "Winter Antifreeze" and are not listed on the order form.
3. One trick is required:

Manifest Code
503

Car Order Form Code
501 - Power Steering
502 Power Brakes

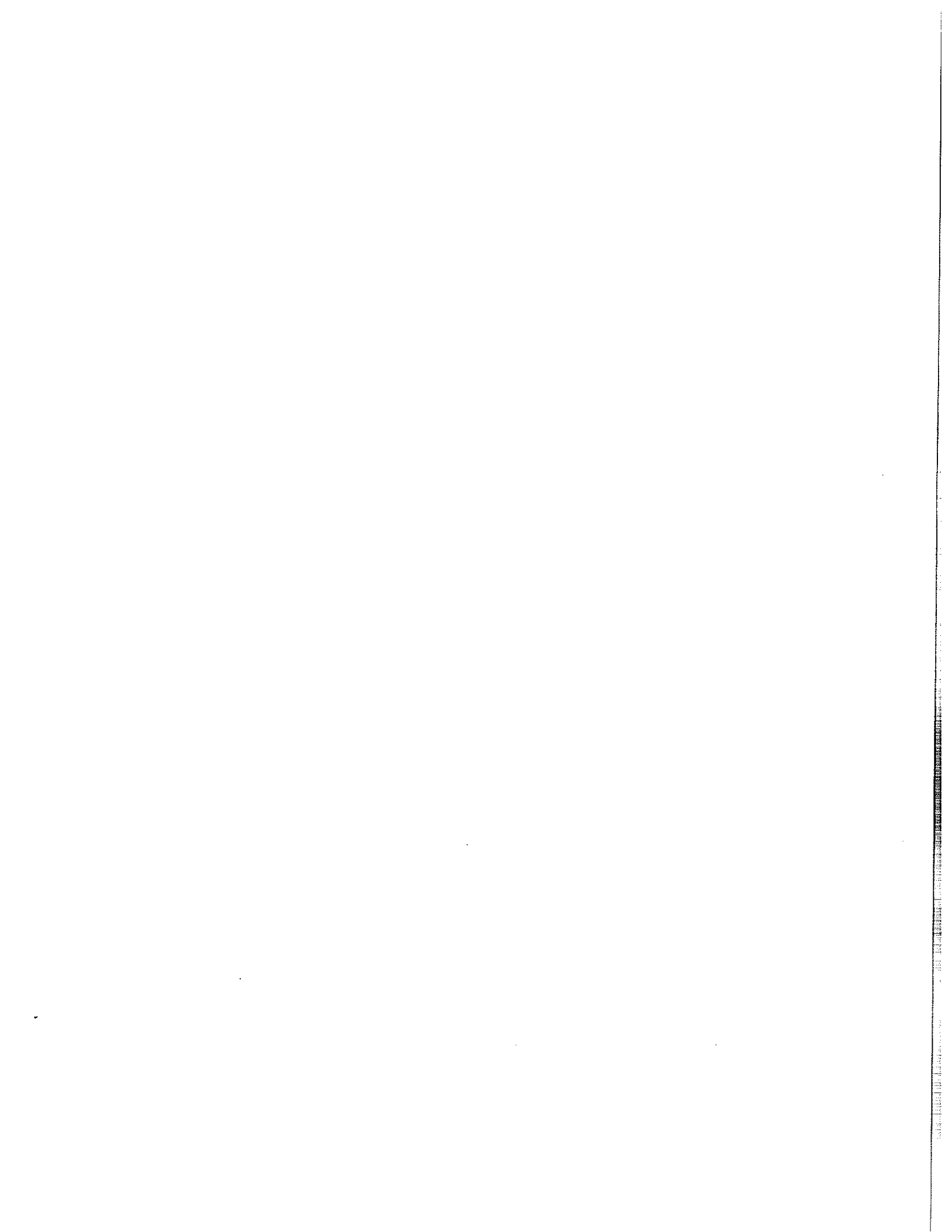
Add the 50(1) and the 50(2) to get 50(3). This applies to all manifests and billing history cards.

(Note: 1969 and newer Pontiacs have their options already decoded, so the above information need not apply.)

We have made every effort to be as thorough as possible in responding to the varied special requests that we have received, in addition to the vin information package on your vehicle. Some of these requests are, unfortunately, impossible to fill or the information requested no longer exists.

Sincerely,

PHS Historic Services



NEWS FROM PONTIAC



Pontiac Motor Division of General Motors + Public Relations Department + Telephone (313) 332-8111 Pontiac, Mich. 48053

FOR RELEASE

Wednesday, September 16, 1970

1971 PONTIAC LINE-UP

Graceful new styling blended with safety, comfort and driving convenience highlight Pontiac Motor Division's 1971 line-up.

Thirty-six models, including 17 Pontiacs, 14 intermediates, four Firebirds and the Grand Prix, will be available in dealer showrooms September 29.

A new top-of-the-line luxury car, the Grand Ville, and a Glide-Away disappearing tailgate that is standard on all regular-sized station wagons head the "What's new at Pontiac" list for 1971.

Available as a two-door hardtop, four-door hardtop and convertible, the luxury Grand Ville has a 126-inch wheelbase.

The top-of-the-line Grand Ville has a new formal roof for added rear seat head room. Variable ratio power steering, power front disc brakes and Turbo Hydra-matic transmission are standard. Vital statistics (in inches) are: length 224.2, width 79.5 and height 52.9. The Wide Track is 64 inches front and rear.

Powering the Grand Ville is a new regular fuel 455 cubic-inch four-barrel V-8 engine rated at 325 horsepower.

(more)

Joining the Grand Ville in the big Pontiac line-up are the Catalina, Catalina Brougham and Bonneville.

Styling highlights of these totally new cars include an eye-catching wide horizontal front grille that is protected by a ding-resistant tough Endurex center piece and a new one-piece bumper. Other styling features include dual headlamps, single-bar tail lamps for all but the Grand Ville which has its own twin-bar lights, increased glass areas and smooth, rounded sides.

Standard on all cars are new flashing side markers on the front fender that are actuated by the directional signals.

The disappearing Glide-Away tailgate offers a new concept in station wagons. It features a retracting back window and tailgate which operate independently of each other.

The power-operated rear window slides up and into the roof while the manually-operated tailgate disappears into the rear floor. For safety, the glass must be opened eight inches before the tailgate can be unlatched.

New suspension systems as well as the new 127-inch wheelbase have improved the ride and handling on regular station wagons.

The front suspension is all new with the steering gear and linkage mounted forward of the wheel center line, instead of behind. This system uses a one-piece steering knuckle, arm and disc bracket, replacing many separate parts.

(more)

Station wagons have a new leaf-spring suspension system for better stability on the road and in cross winds.

Power front disc brakes are standard on all regular Pontiacs, the Grand Prix and Trans Am. Power drum brakes are now standard on the LeMans wagons.

Refinements have been added to 1971 engines, which meet strict government regulations on emission controls. The line-up includes seven engines ranging from the base T-37 six-cylinder to a HO 455 cubic-inch four-barrel. All use regular fuel.

Inside, the Pontiacs feature distinctive trims, an all-new richly-padded instrument panel that can be serviced easily, and center-flow ventilation.

Seven interior trim colors blend with a wide range of exterior choices

The completely new instrument panel on the regular Pontiacs has all instruments and controls grouped in a wraparound section in front of the driver. Instruments are easy to read in two large circular openings. The panel is designed so that any bulb can be changed in 60 seconds.

Another new addition to the panel is a voltmeter which replaces the ammeter. The voltmeter provides details on the car's charging system.

Also new to the Pontiac line is the center-flow ventilation. Two vents in the center of the instrument panel and two others under the panel are controlled by pull knobs. Air from the center flow vents exhausts directly out the new deck lid vent, rather than traveling up the quarter panels and out the lock pillars as in previous year.

(more)

Available on all standard-sized models is an AM-FM radio with five pushbuttons that can be set for 10 stations, rather than five. Each button can be set for one AM and one FM station.

BONNEVILLE

The Bonneville is offered in five models ... four-door sedan, four-door hardtop, hardtop coupe, and two and three-seat station wagons.

All Bonneville's, except wagons have measurements identical to the Grand Ville. Wagons are 230.2 inches long with a 127-inch wheelbase.

Standard equipment includes a 455 cubic-inch, two-barrel engine, Turbo Hydra-matic transmission, power front disc brakes and variable ratio power steering.

CATALINA BROUGHAM

Offered as a two-door hardtop, four-door sedan and four-door hardtop, this new series has the following luxury features not standard on the Catalina: 400 cubic-inch two-barrel engine, Turbo Hydra-matic transmission, wheel opening moldings, deluxe wheel covers, body colored inserts in outside door handles, Custom Cushion steering wheel, Castilian leather instrument panel trim, a distinctive interior and the Brougham nameplate on the sail panel.

CATALINA

Built on a 123 1/2-inch wheelbase, (wagons are 127), the Catalina comes in six body styles ... two-door hardtop, convertible, four-door sedan, four-door hardtop and two and three-seat station wagons.

(more)

Overall length is 220.2 inches (wagons measure 230.2), width is 79 1/2 and height is 53.9.

The regular fuel 350 cubic-inch V-8 engine is standard on the Catalina Safari with manual transmission and on all other Catalinas. Optional engines are the 400 two and four-barrel, the 455 two-barrel and 455 four-barrel.

GRAND PRIX

A new vertical bar grille guarded by a two-level bumper dominates the front of the new Grand Prix. High-intensity single headlamps play a supporting role in the front end styling that also features a new hood and headlight mounting panel.

The rear has a classic "boat-tail" theme with new quarter panels, deck lid, bumper and taillights. Standard equipment includes variable ratio power steering, power front disc brakes and a 400 cubic-inch four-barrel V-8 engine.

Standard with the model SJ package are a 455 cubic-inch engine, whitewall tires, rally gauge instrument panel with swirl finish trim, door courtesy lamps, and special vinyl pin stripes.

Also included on the SJ is a maintenance-free battery that is considerably more powerful than a conventional one the same size. Available on all models with a 455 engine, it has special plate chemistry which minimizes self-discharging when not used for long periods. This battery never uses water as it is completely sealed. In addition its side terminals are corrosion-proof.

(more)

The Grand Prix, available as a two-door hardtop, has a 118-inch wheelbase. Other statistics (in inches) are: width 76.4, length 212.9, height 52, Wide Track 62 (front) and 60 (rear).

INTERMEDIATES

Pontiac's intermediate line-up for 1971 includes the T-37, LeMans, LeMans Sport and GTO.

All models have been restyled with new front ends and hoods. All, except the GTO, have a new front blade bumper. A fiberglass header panel between the hood and the bumper surround the dual headlights and grilles.

The GTO front features a new wire mesh grille protected by a restyled Endura bumper. Long scoops that open at the front edge of the hood add to the distinctiveness of the GTO.

The 250 cubic-inch six-cylinder engine is standard on the T-37 and LeMans. The 350 cubic-inch V-8 is standard on the LeMans Sport and the GTO has a new 400 four-barrel regular fuel power plant.

The standard transmission on all except the GTO is the three-speed column shift. The GTO has the three-speed heavy duty manual with floor shift controls.

Self-adjusting manual drum brakes continue as standard on all intermediates except LeMans station wagons which are equipped with power drum brakes. Power front disc brakes are optional on all intermediates.

(more)

All intermediates are built on a 116-inch wheelbase except two-door models which have 112. The available models are:

T-37: Two-door hardtop, two-door coupe, and four-door sedan.

LeMans: Two-door hardtop, two-door coupe, four-door sedan, four-door hardtop, two and three-seat station wagons with the dual hinged tailgate.

LeMans Sport: Two-door hardtop, convertible and four-door hardtop.

GTO: Two-door hardtop and convertible.

Two special packages, the GT-37 and GTO Judge, offer special equipment and a sporty appearance.

The GT-37 option is available on two-door coupe and two-door hardtop T-37s with V-8 engines. The package includes a three-speed floor-shift transmission, dechromed Rally II wheels, G70-14 white lettered tires, hood hold-down pins, dual exhausts with chrome extensions, vinyl body stripes and special GT-37 identification.

The Judge has the 455 HO four-barrel engine with functional hood scoops, a floor-shift transmission, dechromed Rally II wheels, blacked-out grille, full-width rear deck airfoil, Judge identification and special stripes.

FIREBIRDS

Pontiac's personalized sports car, the Firebird, again features sleek styling, easy handling, a choice of suspensions and an energy-absorbing Endura front bumper.

(more)

Available as a two-door hardtop, the Firebird is offered in four models: the Standard, Esprit, Formula and Trans Am. All have a 108-inch wheelbase and measure 191.6 inches long, 73.4 inches wide and 50.4 inches high.

Self-adjusting manual front disc brakes are standard on all except the Trans Am which has power front discs. Power brakes are optional on all other models.

Highlighting the Firebird interior are new high-back bucket seats with integral headrests. Also new is an optional rear seat console with an ash tray and rear belt buckle storage pockets. This is available on all Firebirds, with or without front consoles.

All Firebird instrument panels are designed so that any bulb can be changed in 60 seconds.

STANDARD FIREBIRD

Featuring a soft, boulevard ride, the basic Firebird has a six-cylinder engine rated at 145 horsepower linked to a three-speed column shift transmission. Optional are the 350 cubic-inch V-8, and two-speed automatic, three-speed floor shift and Turbo Hydra-matic transmission.

ESPRIT

This luxury model comes with the same soft ride as the Standard Firebird, a custom interior, exterior decor moldings, hidden windshield wipers, body colored outside mirrors, a custom soft steering wheel and the Esprit nameplate on the sail panel.

(more)

The 350 cubic-inch V-8 engine and three-speed floor shift transmission are standard. Available are the 400 two-barrel engine and automatic Turbo Hydra-matic and four-speed wide ratio floor-mounted transmission.

FORMULA

The Formula, readily recognized by its distinctive fiberglass hood with dual air scoops, is offered as a 350, 400 and 455, depending on engine cubic-inch displacement.

The Formula 350 has the 350 two-barrel V-8, the Formula 400 is powered by the 400 four-barrel and the Formula 455 is equipped with the 455 four-barrel with the 455 HO engine optional.

All three have performance dual exhausts with single outlet chrome extensions, F70-14 blackwall tires, the Custom Cushion steering wheel, blacked-out mesh grille areas, body colored outside mirrors and special identification.

In addition, each Formula has a special suspension consisting of a 1 1/8-inch front stabilizer bar, a 5/8-inch bar, firm springs and shocks. With F60-15 belted tires, a 1 1/4 inch front stabilizer bar and 7/8 inch rear bar are used.

TRANS AM

For even livelier action, the Trans Am offers the ultimate in performance and handling.

(more)

Powered by a 455 four-barrel HO engine, the Trans Am has a long list of standard equipment including:

Three-speed floor shift transmission, variable ratio power steering, power front disc brakes and a firm ride and handling package consisting of high-rate rear springs, a 1 1/4-inch front stabilizer bar and 7/8-inch rear bar.

Also standard are a through-the-hood rearward facing Ram Air inlet with throttle operated valve, F60-15 white lettered tires, Honeycomb wheels, front and rear spoilers, wheel opening spoilers, rally gauges and clock set in an instrument panel trimmed with engine turned (swirl finished bright metal), performance dual exhausts with chrome extensions, engine compartment extractors on the front fenders, stripes and special identification.

#

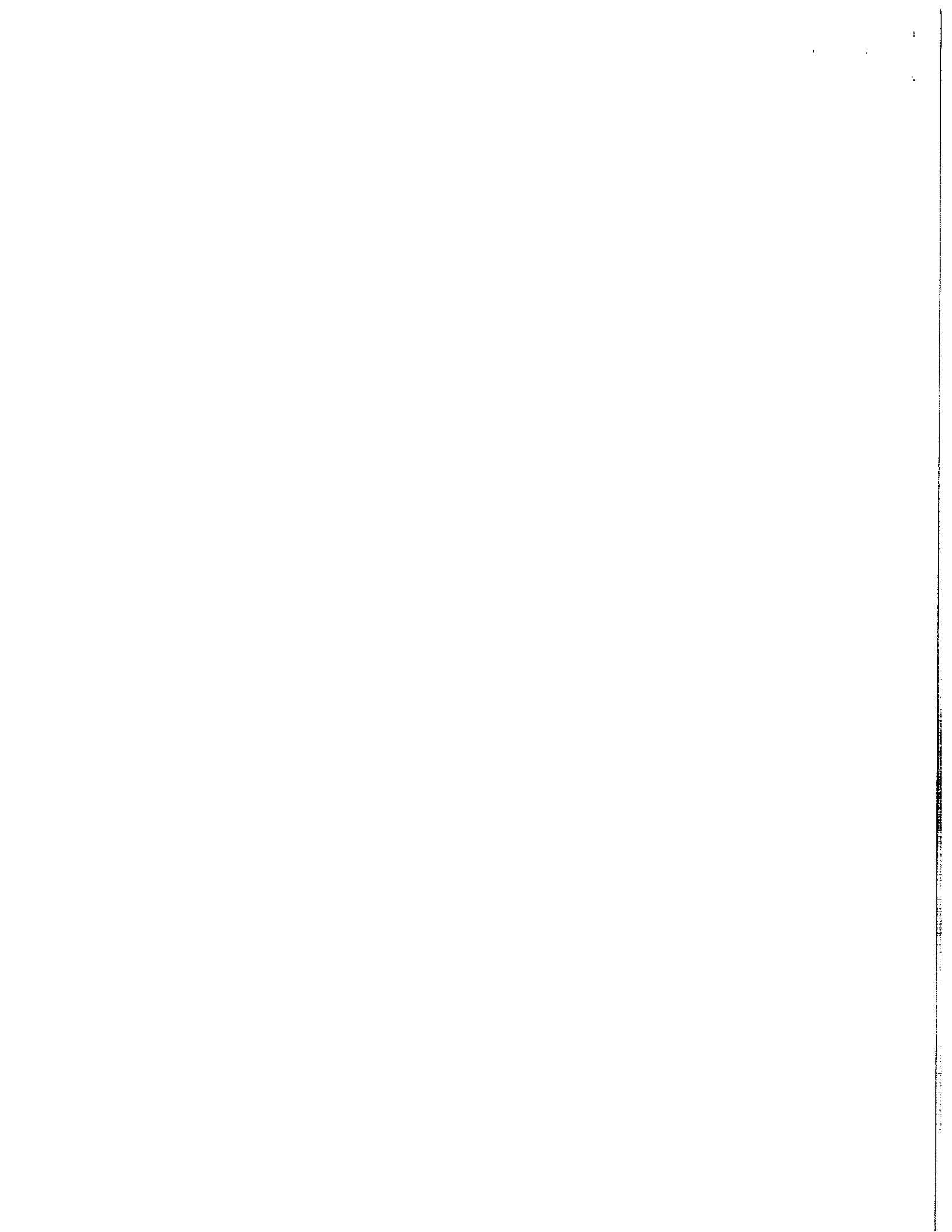
GTO PRODUCTION FIGURES - 1964-1974

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1964	Coupe	7,384	---	----
1964	Hardtop	18,422	---	----
1964	Convertible	6,644	---	----
Total		32,450		
1964	---	8,245	389 3x2	----
1964	---	24,205	389 4bb1.	----
Total		32,450		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1965	Coupe	8,319	---	----
1965	Hardtop	55,722	---	----
1965	Convertible	11,311	---	----
Total		75,352		
1965	---	20,547	389 3x2	----
1965	---	54,805	389 4bb1	----
Total		75,352		
1965	---	56,378	---	Manual
1965	---	18,974	---	Automatic
Total		75,352		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1966	Coupe	10,363	---	----
1966	Hardtop	73,785	---	----
1966	Convertible	12,798	---	----
Total		96,946		
1966	---	19,045	389 3x2	----
1966	---	77,901	389 4bb1.	----
Total		96,946		
1966	---	61,279	---	Manual
1966	---	35,667	---	Automatic
Total		96,946		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1967	Coupe	7,029	---	----
1967	Hardtop	65,176	---	----
1967	Convertible	9,517	---	----
Total		81,722		



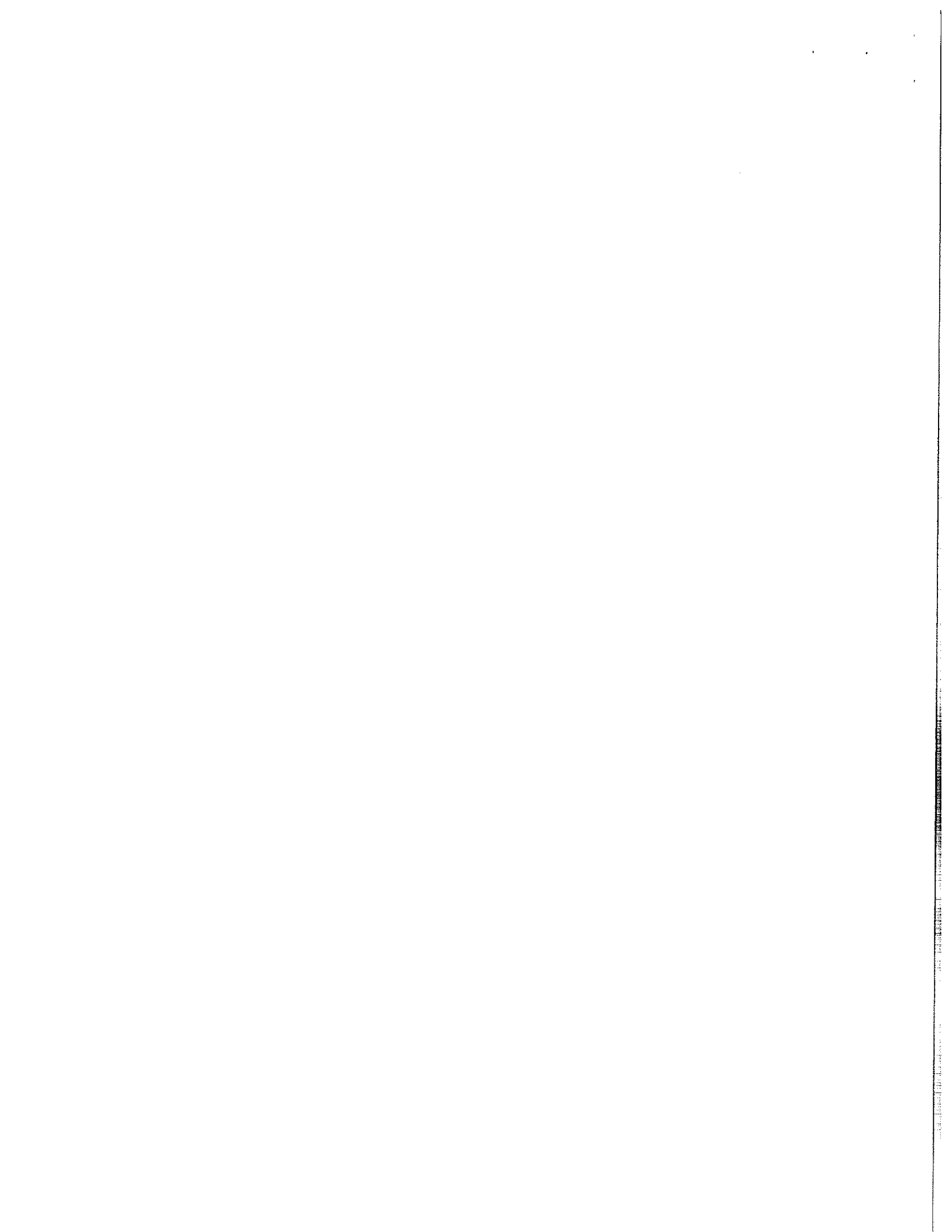
<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1967	---	751	400 RA	---
1967	---	13,827	400 HO	---
1967	---	2,967	400 2bbl	---
1967	---	64,177	400 Std	---
Total		81,722		
1967	---	39,128	---	Manual
1967	---	42,594	---	Automatic
Total		81,722		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1968	Hardtop	757	400 RA	Manual
1968	Hardtop	183	400 RA	Automatic
1968	Hardtop	6,197	400 HO	Manual
1968	Hardtop	3,140	400 HO	Automatic
1968	Hardtop	0	400 2bbl	Manual
1968	Hardtop	2,841	400 2bbl	Automatic
1968	Hardtop	25,371	400 Std	Manual
1968	Hardtop	39,215	400 Std	Automatic
Total	Hardtop	77,704		

1968	Convertible	92	400 RA	Manual
1968	Convertible	22	400 RA	Automatic
1968	Convertible	766	400 HO	Manual
1968	Convertible	461	400 HO	Automatic
1968	Convertible	0	400 2bbl	Manual
1968	Convertible	432	400 2bbl	Automatic
1968	Convertible	3,116	400 Std	Manual
1968	Convertible	5,091	400 Std	Automatic
Total	Convertible	9,980		
Total		87,684		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1969	Hardtop	549	400 RAIV	Manual
1969	Hardtop	151	400 RAIV	Automatic
1969	Hardtop	6,143	400 RAIII	Manual
1969	Hardtop	1,986	400 RAIII	Automatic
1969	Hardtop	0	400 2bbl	Manual
1969	Hardtop	1,246	400 2bbl	Automatic
1969	Hardtop	22,032	400 Std	Manual
1969	Hardtop	32,744	400 Std	Automatic
Total	Hardtop	64,851		

1969	Convertible	45	400 RAIV	Manual
1969	Convertible	14	400 RAIV	Automatic
1969	Convertible	249	400 RAIII	Manual
1969	Convertible	113	400 RAIII	Automatic
1969	Convertible	0	400 2bbl	Manual
1969	Convertible	215	400 2bbl	Automatic
1969	Convertible	2,415	400 Std	Manual
1969	Convertible	4,385	400 Std	Automatic
Total	Convertible	7,436		



<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1969	GTO Hardtop	58,126	---	----
1969	GTO Hdtp. Judge	6,725	---	----
1969	GTO Convertible	7,328	---	----
1969	GTO Conv. Judge	108	---	----
Total		72,287		

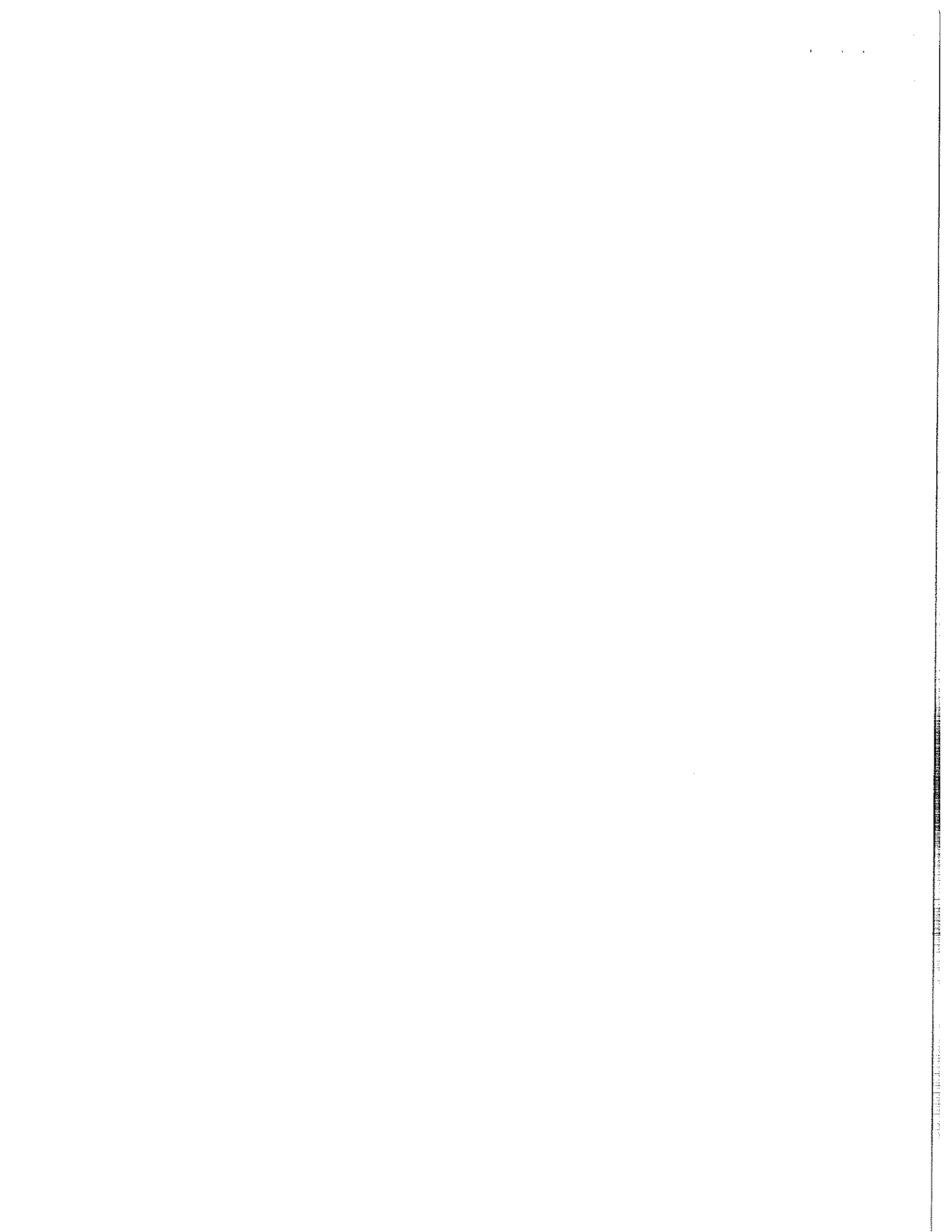
<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1970	Hardtop	627	400 RAIV	Manual
1970	Hardtop	140	400 RAIV	Automatic
1970	Hardtop	3,054	400 RAIII	Manual
1970	Hardtop	1,302	400 RAIII	Automatic
1970	Hardtop	1,761	455 4bbl	Manual
1970	Hardtop	1,986	455 4bbl	Automatic
1970	Hardtop	9,348	400 Std	Manual
1970	Hardtop	18,148	400 Std	Automatic
1970	Hardtop	36,366		

1970	Convertible	24	400 RAIV	Manual
1970	Convertible	13	400 RAIV	Automatic
1970	Convertible	174	400 RAIII	Manual
1970	Convertible	114	400 RAIII	Automatic
1970	Convertible	158	455 4bbl	Manual
1970	Convertible	241	455 4bbl	Automatic
1970	Convertible	887	400 Std	Manual
1970	Convertible	2,173	400 Std	Automatic
Total	Convertible	3,783		

1970	GTO Hardtop	32,737	---	----
1970	GTO Hdtp Judge	3,629	---	----
1970	GTO Convertible	3,615	---	----
1970	GTO Conv. Judge	168	---	----
Total		40,149		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1971	Hardtop	476	455 HO	Manual
1971	Hardtop	412	455 HO	Automatic
1971	Hardtop	0	455 4bbl	Manual
1971	Hardtop	534	455 4bbl	Automatic
1971	Hardtop	2,011	400 Std	Manual
1971	Hardtop	6,421	400 Std	Automatic
Total	Hardtop	9,854		

1971	Convertible	21	455 HO	Manual
1971	Convertible	27	455 HO	Automatic
1971	Convertible	0	455 4bbl	Manual
1971	Convertible	43	455 4bbl	Automatic
1971	Convertible	79	400 Std	Manual
1971	Convertible	508	400 Std	Automatic
Total	Convertible	678		



<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1971	GTO Hardtop	9,497	---	---
1971	GTO Hdtp. Judge	357	---	---
1971	GTO Convertible	661	---	---
1971	GTO Conv. Judge	17	---	---
Total		10,532		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1972	Coupe	3	455 HO	Manual
1972	Coupe	7	455 HO	Automatic
1972	Coupe	0	455 4bbl	Manual
1972	Coupe	5	455 4bbl	Automatic
1972	Coupe	59	400 Std	Manual
1972	Coupe	60	400 Std	Automatic
Total	Coupe	134		

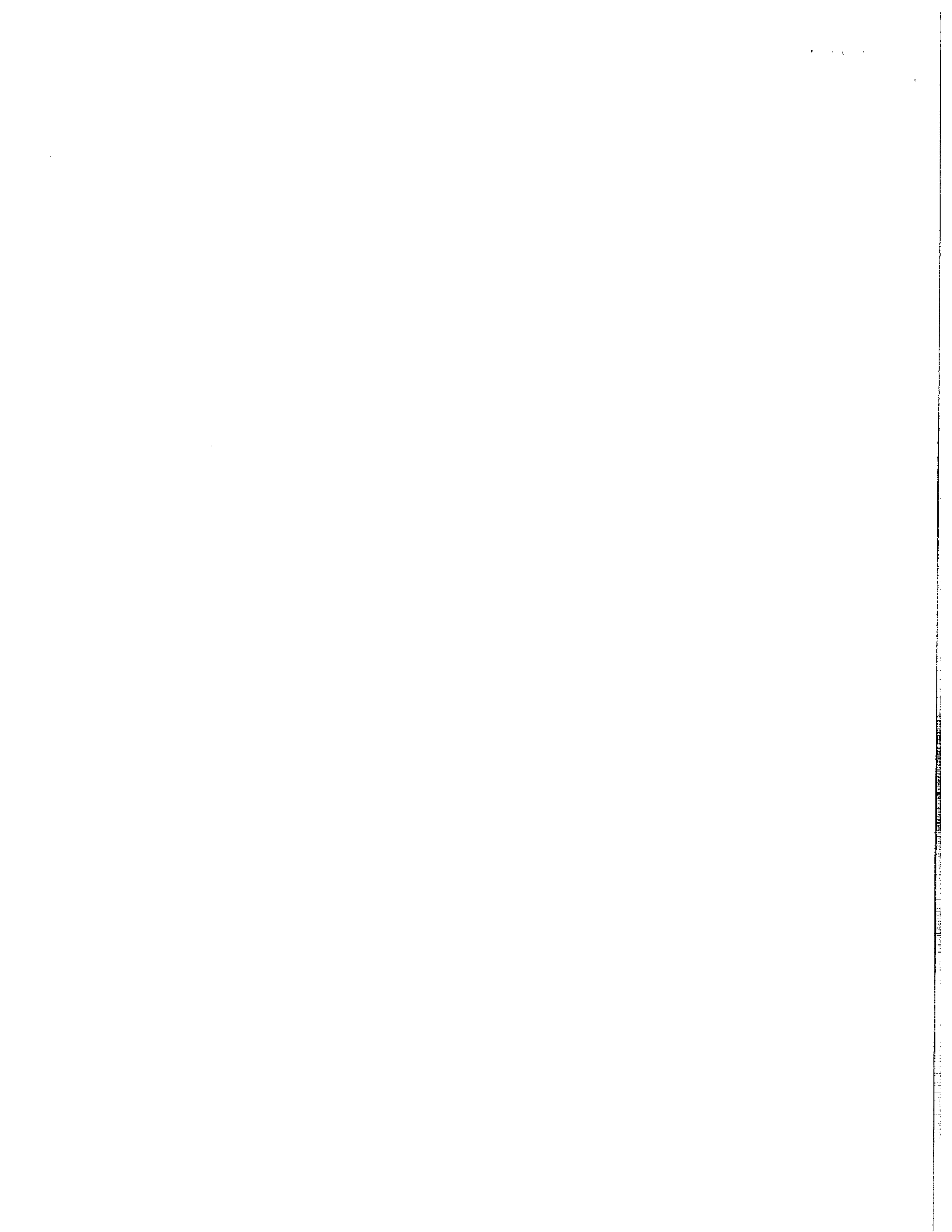
1972	Hardtop Coupe	310	455 HO	Manual
1972	Hardtop Coupe	325	455 HO	Automatic
1972	Hardtop Coupe	0	455 4bbl	Manual
1972	Hardtop Coupe	235	455 4bbl	Automatic
1972	Hardtop Coupe	1,519	400 Std	Manual
1972	Hardtop Coupe	3,284	400 Std	Automatic
Total	Hardtop Coupe	5,673		
Total		5,807		

<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1973	Coupe	0	455 4bbl	Manual
1973	Coupe	25	455 4bbl	Automatic
1973	Coupe	187	400 4bbl	Manual
1973	Coupe	282	400 4bbl	Automatic
Total	Coupe	494		

1973	Sport Coupe	0	455 4bbl	Manual
1973	Sport Coupe	519	455 4bbl	Automatic
1973	Sport Coupe	926	400 4bbl	Manual
1973	Sport Coupe	2,867	400 4bbl	Automatic
Total	Sport Coupe	4,312		
Total		4,806		

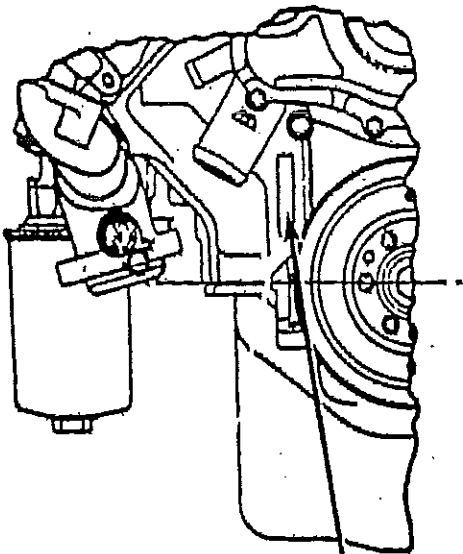
<u>YEAR</u>	<u>BODY STYLE</u>	<u>PRODUCTION</u>	<u>ENGINE</u>	<u>TRANSMISSION</u>
1974	Hatchback	687	350 4bbl	Manual
1974	Hatchback	1,036	350 4bbl	Automatic
Total	Hatchback	1,723		

1974	Coupe	2,487	350 4bbl	Manual
1974	Coupe	2,848	350 4bbl	Automatic
Total	Coupe	5,335		
Total		7,058		

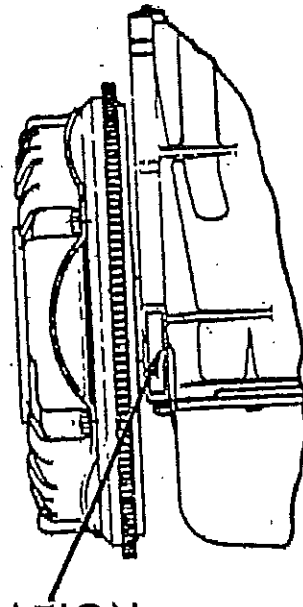


Beginning with the 1968 model year a partial vin number was stamped on the engine. Below is shown the location of this stamping.

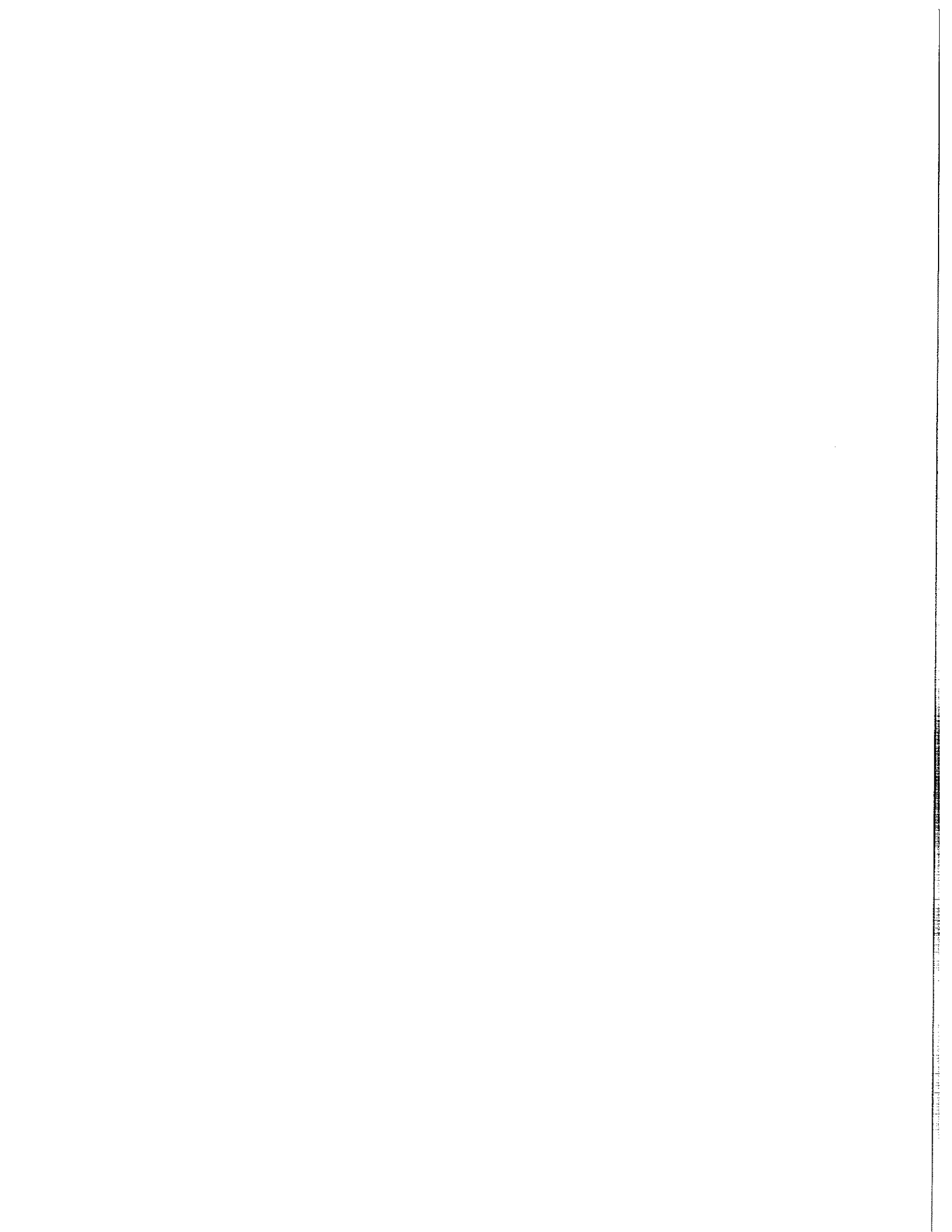
8-CYLINDER



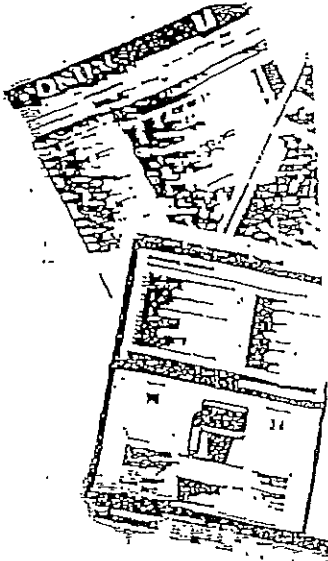

6-CYLINDER



STAMP VEHICLE IDENTIFICATION NUMBER CONSISTING OF THE FIGURE 2 FOLLOWED BY THE LAST 8 DIGITS OF THE CAR SERIAL NUMBER.



**REPRODUCTION
WINDOW STICKERS**
CUSTOM MADE FOR YOUR CAR



1964-1977 LeMans & GTO (only).....	\$50.00
1967-1980 Firebird & Trans Am.....	\$50.00
1990-2002 Firebird & Trans Am.....	\$60.00
1989 Turbo Trans Am.....	\$50.00
1965-1977 Full Size Pontiacs.....	\$50.00
1965-1977 Grand Prix.....	\$50.00

Second copy is \$15.00 - Laminating in plastic \$4.00 ea.

(Please allow 4 weeks for delivery)

Name _____

Address _____

City _____, State _____, Zip _____

Phone _____

Mastercard _____ Visa _____

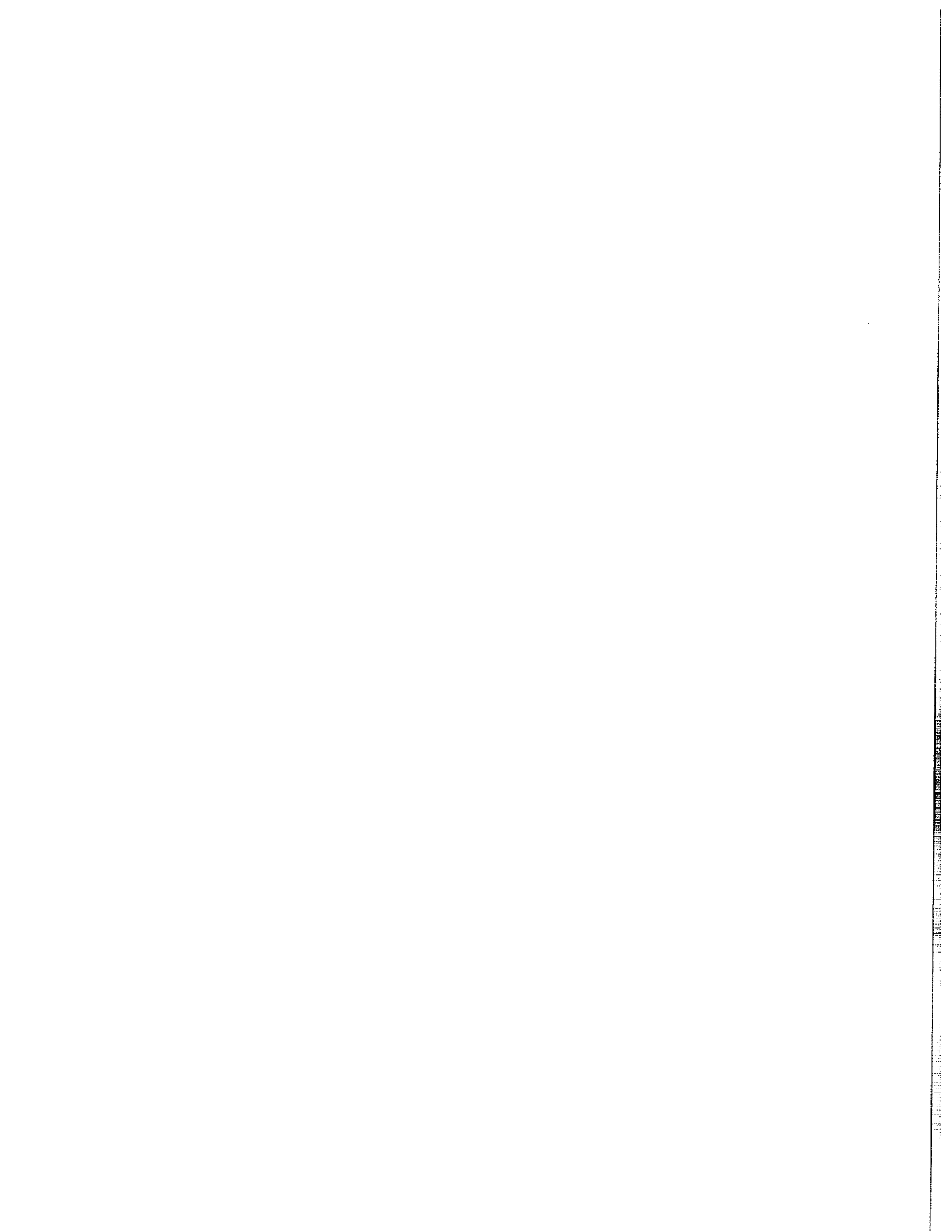
Card Number _____

Expiration Date _____

Important: Please enclose a photocopy of your PMD "Billing History",
Manifest or Dealer Invoice from "PHS". Do not send originals!

Automotive Services
P.O. Box 183251
Shelby Twp, MI 48318

Fax Orders Accepted at:
586/781-5167
Include Mastercard or Visa Information



Window Stickers

Did you ever wonder why new vehicles have window stickers? Many people think they are meant to show your neighbors that you bought a new car, or to annoy you with the glue residue on the window, but this is not the case.

In March of 1958, Senator Michael Monroney, Chairman of the Senate Subcommittee on Automobile Marketing Practices, proposed a bill that would take the mystery out of new car prices. This bill required every automobile manufacturer to attach a label to the window of each new vehicle, which would show the manufacturer's suggested retail price, transport methods, freight charges, and accessory prices. This would be the first time in twenty years that a consumer could walk into an automobile dealership and find an itemized, accurate price tag on a new vehicle.

Prior to the proposal of this bill, there was often a large discrepancy between the showroom price and the actual price of a new vehicle. The fact was that existing price tags did not tell the full story. Most customer-quoted prices were for "stripped-down" models and did not include additions for preparation charges, freight charges, federal, state, and local taxes, or optional factory-installed equipment requested by the purchaser.

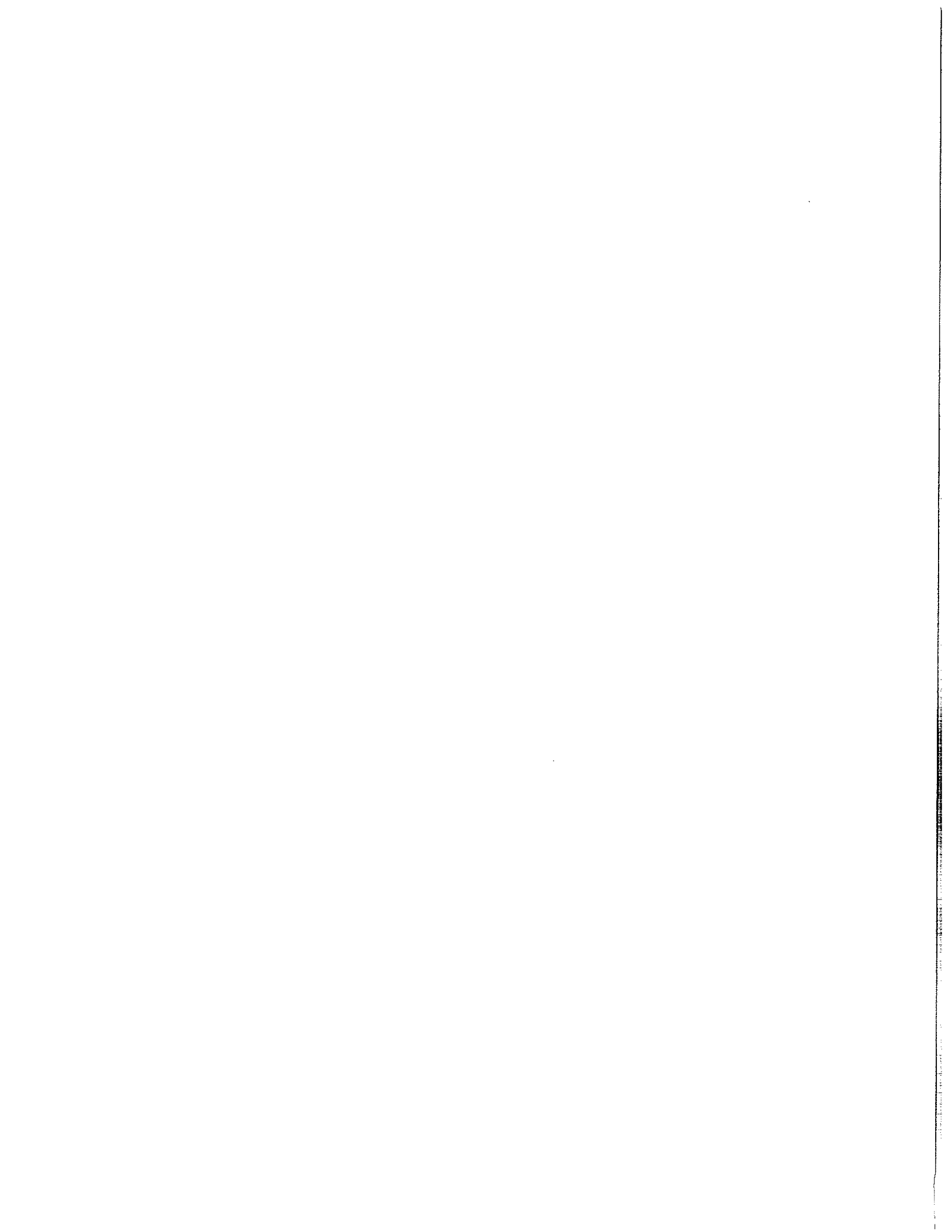
These hidden charges were used by some dealers to increase the selling price while giving the new vehicle buyer an inflated idea of their trade-in allowance. This price confusion led to a slump in auto sales during the early 1950's. Senator Monroney's bill was designed to prevent the abuse of the new vehicle list prices, but would not, however, prevent dealers and buyers from bargaining over vehicle prices.

Senator Monroney received widespread support for this bill from both consumers and dealers. Dealers viewed the Monroney Label as an opportunity to restore the confidence of the new vehicle buyers, which they hoped would result in a more successful sales year.

On July 7, 1958, Monroney's bill became a law. Beginning on September 1, 1958, every automobile manufacturer was required to securely affix a label to the window of the vehicle, disclosing information concerning the vehicle and its price. Any manufacturer who failed to comply, could be levied a fine of not more than \$1000. Removal, alteration, or illegibility of the required label could result in a fine of not more than \$1000 and/or imprisonment of not more than one year.

Once enacted, the law increased both dealer morale and auto sales. Customers grew more confident in their ability to make an informed decision and get the best deal possible. This law was instrumental in brightening industry-wide automobile sales during that time, by increasing consumer confidence.

In this day and age, we tend to take window stickers for granted, but the next time you are out shopping for a new car, you can thank Senator Michael Monroney for making your job much easier.



1971

AMA SPECIFICATIONS FORM

. . . . Passenger Car

<p>MANUFACTURER</p> <p>Pontiac Motor Division General Motors Corporation</p>	<p>CAR NAME</p> <p>PONTIAC - T-37, LeMans, LeMans Sport, GTO</p>	
<p>MAILING ADDRESS</p> <p>Pontiac, Michigan</p>	<p>MODEL YEAR</p> <p>1971</p>	<p>ISSUED</p> <p>9-9-70</p> <hr/> <p>REVISED (•)</p>

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

AMA Specifications Form—Passenger Car

TABLE OF CONTENTS

BODY MODEL	1
CAR AND BODY DIMENSIONS	2-3-27-28
POWER TEAMS	4
ENGINE	5-9
EXHAUST SYSTEM	9
FUEL SYSTEM	10
COOLING SYSTEM	11
VEHICLE EMISSION CONTROL	12
ELECTRICAL	13-15
DRIVE UNITS	16-18
TIRES AND WHEELS	19
BRAKES	19-20
STEERING	21
SUSPENSION – FRONT AND REAR	22
FRAME	23
BODY – MISCELLANEOUS INFORMATION	23
CONVENIENCE EQUIPMENT	24
LAMP HEIGHT AND SPACING	24
VEHICLE WEIGHTS	25
OPTIONAL EQUIPMENT WEIGHTS	26
INDEX	29

NOTES:

1. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (a)

BODY MODEL	Body type, number of passengers, and style names; use manufacturer's code for series & body style.				
Body Type	No. of Passengers	T-37	LeMans	LeMans Sport	GTO
4-Door Sedan	6	23369	23569		
4-Door Hardtop	6 (a)		23539	23739	
Coupe	6	23327	23527		
Hardtop Coupe	6 (a)	23337	23537	23737	24237
Convertible	5			23767	24267
Station Wagon	6		23536		
4-Door 2 Seat					
Station Wagon	8		23546		
4-Door 3 Seat					

(a) LeMans Sport and GTO - 5 passenger

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISION (*)

CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:
4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	T-37	LEMANS	LEMANS SPORT	GTO
-------	--------------	------	--------	--------------	-----

WIDTH

Track - Front	W101	61			
Track - Rear	W102	60			
Maximum overall car width	W103	76.7			
Body width at No. 2 pillar	W117	74.1			

LENGTH

Body "O" to front of dash	L 30	0			
Wheelbase	L101	116 (a)			112
Overall car length	L103	206.8 (b)			203.3
Overhang - front	L104	41.5			42.0
Overhang - rear	L105	49.3 (c)			49.3
Body upper structure length	L123	(27&37) 96.5, (36 &46) 130.8, (39&69) 102.1, (67) 94.9			95.5
Body "O" line to ϵ of rear wheel	L127	99.5			
Body "O" line to w s cowl point	L130	10.4			

HEIGHT

Passenger Distribution (front & rear)		2-3			
Trunk. Cargo load (lbs.)		0			
Overall height	H101	(27 & 37) 52.0, (39 & 69) 52.6, (67) 52.3, (36 & 46) 54.5 (d)			
Cowl height	H114	(36&46) 38.6, (27, 37, 67, 39&69) 37.4 (e)			
Deck height	H138	(27 & 37) 38.1, (36 & 46) 38.9, (39) 37.4, (67) 37.3, (69) 37.6 (g)			
Rocker panel - front	H112	To ground	(36&46) 9.0 (All Others) 7.8		8.0
From front wheel ϵ		32.0			
Rocker panel - rear	H111	To ground	(36 & 46) 8.5, (39 & 69) 6.5, (27, 37 & 67) 6.4		6.8
From rear wheel ϵ		23.0 With Long Wheelbase, 19.0 With Short Wheelbase			
Windshield slope angle	H122	53.0			

GROUND CLEARANCE

		(36 & 46)	(39 & 69)	(27, 37 & 67)	
Bumper to ground - front	H102	15.5	14.8	14.9	15.8
Bumper to ground - rear	H104	15.5	14.8	14.9	15.8
Angle of approach	H106	19.5	18.1	18.4	19.2
Angle of departure	H107	17.1	14.8	14.6	15.2
Ramp breakover angle	H147	12.7	10.3	10.7	11.4
Min. running clearance (Specify)	H156	5.3 (f)	4.3 (f)	4.3 (f)	4.7 (f)

- (a) 112 on 2-door styles
- (b) 4-door styles, 202.8 on 2-door styles, 210.9 on station wagons
- (c) 53.4 on station wagons
- (d) Except GTO - 24237 is 52.3, 24267 is 52.6
- (e) Except GTO - 24237 and 24267 are 37.6
- (f) Exhaust system
- (g) Except GTO - 24237 is 37.7, 24267 is 36.9

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)
Tempest

CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions
 (All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	Sprts.Cpe. 23527*	HT Cpe 23537*	4-Dr. HT 23539*	4-Dr. Sedan 23569*	Conv.Cpe. 23767*	Station Wagon 23536 & 23546
-------	--------------	-------------------	---------------	-----------------	--------------------	------------------	-----------------------------

FRONT COMPARTMENT

Effective head room	H61	37.9	37.9 (a)	38.5 (b)	38.5	38.5	38.4
Max. eff. leg room - accelerator	L34	42.4 (c)	42.4	42.4 (d)	42.4 (e)	42.4	42.6
H Point to Heel point	H30	7.9 (f)	7.9 (g)	7.9 (h)	7.9 (i)	8.0	7.7
H Point travel	L17	4.8	4.8	4.8	4.8	4.8	4.7 (j)
Shoulder room	W 3	58.4	58.4	58.4	58.4	58.4	58.3
Hip room	W 5	59.7 (k)	59.6 (l)	59.4 (m)	59.4 (n)	59.7	59.7
Upper body opening to ground	H50	47.0	47.6	48.7	47.7	47.7 (y)	49.6

REAR COMPARTMENT

H Point couple distance	L50	30.6	30.6 (o)	32.8	32.8	30.7	32.8
Effective head room	H63	36.3	36.3	37.1	37.1	36.9	38.3
Min. effective leg room	L51	32.2	32.2 (p)	34.8	34.8	31.6	34.6
H Point to Heel point	H31	10.0 (q)	10.0 (q)	10.6	10.6 (r)	10.0	10.6
Min. knee room	L48	.7	.7 (s)	2.3	2.3	1.6	2.3
Rear Compartment room	L 3	24.0	24.0 (t)	25.8	25.8	24.2	26.1
Shoulder room	W 4	57.0	57.0	57.5	57.5	47.9	57.4
Hip room	W 6	58.1 (u)	58.1 (v)	59.4	59.4	58.3	59.4
Upper body opening to ground	H51	--	--	48.5	47.3	--	48.7

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	14.6	14.6 (w)	14.6	14.6	10.0 (x)	--
Liftover height	H195	27.1	27.1	26.6	26.5	27.1	--
Position of spare tire storage		Flat-Exc. SW & Opt. Space Saver Which Are Vertical					
Method of holding lid open		Torsion Bar					

STATION WAGON - THIRD SEAT

Shoulder Room	W85	57.2
Hip room	W86	46.7
Effective leg room	L86	30.4
Effective head room	H86	35.8
Seat facing direction		Rearward

STATION WAGON - CARGO SPACE

Cargo length at floor - front seat	L202	90.9
Cargo length at belt - front seat	L204	79.9
Cargo width - Wheelhouse	W201	44.5
Opening width at belt	W204	49.6
Maximum cargo height	H201	31.5
Rear opening height	H202	28.6
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	83.6**

* Dimensions apply to all models of the body type in addition to the specific body style number shown unless otherwise specified.

**Add 10.0 cu. ft. for compartment under load floor.

- | | | | | |
|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
| (a) 37.7 on 237 & 242 | (f) 8.1 on 233 | (k) 59.5 on 233 | (p) 31.6 on 237 & 242 | (u) 58.4 on 233 |
| (b) 38.1 on 237 | (g) 8.1 on 233, 8.0 on 237 & 242 | (l) 59.7 on 237 & 242 | (q) 9.9 on 233 | (v) 58.3 on 237 & 242 |
| (c) 42.3 on 233 | (h) 8.3 on 237 | (m) 59.5 on 237 | (r) 10.5 on 233 | (w) 14.0 on 242 |
| (d) 42.5 on 237 | (i) 8.1 on 233 | (n) 59.8 on 233 | (s) 1.6 on 237 & 242 | (x) 10.3 on 242 |
| (e) 42.3 on 233 | (j) 4.8 on 237 | (o) 30.7 on 237 & 242 | (t) 24.2 on 237 & 242 | (y) 47.5 on 242 |

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (e)

T-37 LEMANS,
LEMANS SPORT, GTO

POWER TEAMS

(Indicate whether standard or optional)

(Gross bhp (brake horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.)

(Net bhp (brake horsepower) and net torque corrected to 85° F and 29.00 in. Hg atmospheric pressure.)

MODEL AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)	
	Displ. cu. in.	Cyls	Compr. Ratio	BHP @ RPM		Torque @ RPM			
				Gross	Net	Gross			Net
<u>Standard Engines</u>									
233, 235 & 237	250	1 Bbl.	8.5	145 @ 4200	110 @ 3800	230 @ 1600	185 @ 1600	Manual (3-Sp.) Automatic (M35) Turbo H-M (M38)	3.23 (a) 3.08 (b), 3.23 (b) 3.08 (b), 3.23 (a), 2.78 (c)
242	400	4 Bbl.	8.2	300 @ 4800	255 @ 4400	400 @ 2400	340 @ 3200	Manual (3-Sp. HD) (d) Manual (4-Sp. Close Ratio) (M22) Turbo H-M (M40)	3.55 (b), 3.23 (a) 3.90 (b) 3.55 (b), 3.23 (c), 3.08
<u>Optional Engines</u>									
350 2 Bbl. (L30) 233, 235 & 237	350	2 Bbl.	8.0	250 @ 4400	165 @ 4200(i) 180 @ 4400(j)	350 @ 2400	275 @ 235 @ 2000(j)	Manual (3-Sp.) (f) Automatic (M35) (g) Automatic (M35) (h) Turbo H-M (M38) (g) Turbo H-M (M38) (h)	3.23 (a), 3.08 2.78 (a), 3.08 3.08 2.56 (b), 2.78 (c), 3.08 2.78 (a), 3.08
400 2 Bbl. (L65) 233, 235, & 237	400	2 Bbl.	8.2	265 @ 4400	180 @ 3800(i) 205 @ 4000(j)	400 @ 2400	320 @ 2200(i) 335 @ 2400(j)	Turbo H-M (M40)	2.78 (a), 3.08
400 4 Bbl. (L78) 233, 235, & 237	400	4 Bbl.	8.2	300 @ 4800	200 @ 4000(i) 255 @ 4400(j)	400 @ 3600	305 @ 2800(i) 340 @ 3200(j)	Manual (3-Sp. HD) (d) Manual (4-Sp. Close Ratio) (M22) Turbo H-M (M40)	3.55 (b), 3.23 (a) 3.90 (b) 3.55 (b), 3.23 (c), 3.08
455 4 Bbl. (L75) 233, 235, 237 & 242 (Exc. 23536 & 46) 23536 & 46	455	4 Bbl.	8.2	325 @ 4400	260 @ 4000	455 @ 3200	380 @ 2800	Turbo H-M (M40)	3.07 (a)
455 HG (L85) 233, 235, 237, 242 (2-Dr. Models)	455	4 Bbl.	8.4	335 @ 4800	310 @ 4400	480 @ 3600	410 @ 3200	Manual (3-Sp. HD) Manual (4-Sp. Close Ratio) (M22) Turbo H-M (M40)	3.31 (a) 3.55 (b), 3.31 (c) 3.31 (b), 3.07 (c)

- (a) Both air conditioning and non-air conditioning
- (b) Non-air conditioning only
- (c) With air conditioning only
- (d) Wide ratio 4-speed manual optional
- (e) Close Ratio 4-speed manual optional
- (f) 3-Speed Heavy Duty optional
- (g) Except Station Wagon (all ratios)
- (h) Station Wagon (all ratios)
- (i) Single exhaust
- (j) Dual exhaust

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*)
T-37, LEMANS, LEMANS SPORT, GTO
 MODEL 400 Cu. In. Engine 455 Cu. In. Engine

ENGINE - GENERAL

Type, no. cyls., valve arr.	90° V, 8, In-Head	
Bore and stroke (nominal)	4.1200 3.746	4.1510 4.206
	4.1224 x 3.754	4.1534 x 4.214
Piston displacement, cu. in.	400	455
Bore spacing (C to C)	4.62	
No. system (front to rear)	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Compres. ratio (nominal)	8.2	8.2 (a)
Cylinder Head Combustion Chamber Volume (cc)	96.75 - 2 Bbl.	111.89 - L75 Engine
	95.61 - 4 Bbl.	107.75 - LS5 Engine
Cylinder Head Material	Alloy Cast Iron	
Cylinder Block Material	Alloy Cast Iron	
Cyl. Sleeve-Wet, dry, none	None	
Number of mtg. points	Front	2
	Rear	1
Engine installation angle	4.7°	
Taxable horsepower $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	54.3	55.2
Recommended fuel regular - premium	Regular (91 Octane)	

ENGINE - PISTONS

Material	Aluminum Alloy	
Description and finish	Cam Ground Slipper Type - Tin Plated	
Weight (piston only) oz.	22.070 - 22.250	20.515 - 20.695
Clearance (limits)	Top land	.017 - .021
	Skirt	Top .0025 - .0033 (b)
		Bottom .0020 - .0038
Ring groove diameter	No. 1 ring	3.677 - 3.667
	No. 2 ring	3.677 - 3.667
	No. 3 ring	3.680 - 3.670
	No. 4 ring	None

(a) Except 455 HO which is 8.4:1

(b) Pistons selected for clearance at 1.110 below top of piston

(c) Pistons selected for clearance at 1.08 below top of piston

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (a)

T-37, LEMANS, LEMANS SPORT

MODEL 250 L6 Engine 350 V8 Engine

ENGINE - GENERAL

Type, no. cyls., valve arr.	Line, 6, In-Head	90° V, 8, In-Head
Bore and stroke (nominal)	3.8750 x 3.525 3.8774 x 3.535	3.8750 x 3.746 3.8774 x 3.754
Piston displacement, cu. in.	250	350
Bore spacing (C to C)	4.4	4.62
No. system (front to rear)	L. Bank R. Bank	1-3-5-7 2-4-6-8
Firing order	1-2-3-4-5-6 (In-Line)	1-8-4-3-6-5-7-2
Compres. ratio (nominal)	8.5:1	8.0:1
Cylinder Head Combustion Chamber Volume (cc)	93.88	90.15
Cylinder Head Material	Alloy Cast Iron	
Cylinder Block Material	Alloy Cast Iron	
Cyl. Sleeve-Wet, dry, none	None	
Number of mtg. points	Front Rear	2 1
Engine installation angle	4.6°	4.7°
Taxable horsepower $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{2.5}$	36.0	48.0
Recommended fuel regular - premium	Regular (91 Octane)	

ENGINE - PISTONS

Material	Aluminum Alloy	
Description and finish	Cam Ground Slipper Type - Tin Plated	
Weight (piston only) oz.	24.16	21.010 - 21.190
Clearance (limits)	Top land	.0345 - .0435
	Skirt	Top .0005 - .0011 (a)
		Bottom --
Ring groove diameter	No. 1 ring	3.434 - 3.444
	No. 2 ring	3.434 - 3.444
	No. 3 ring	3.446 - 3.456
	No. 4 ring	None

(a) Measured 2.44 from top of piston

(b) Pistons selected for clearance at 1.110 below top of piston

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*) _____
 MODEL T-37, LEMANS, LEMANS SPORT, GTO
400 Cu. In. Engine 455 Cu. In. Engine

ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, coating, etc.	Cast Iron Reverse Twist - No. 1 Barrel Face Moly Channel, No. 2 Taper Face Tin Plated (a) .0778(b)
	Width	No. 1 - .019 (c), No. 2 - .015
	Gap	Multi-Piece (2 Rails and 1 Spacer Expander) Rails - Steel with Chrome Plated O.D. Expander - Stainless Steel
Oil	Description - material, coating, etc.	.186
	Width	.035
	Gap	In Oil Ring Assembly
Expanders		

ENGINE - PISTON PINS

Material	SAE 1016 Steel		
Length	3.25		
Diameter	.9802		
Type	Locked in rod, in piston, floating, etc.	Locked in Rod	
	Bush- ing	In rod or piston	None
		Material	None
Clearance	In piston	.0005 - .0007	
	In rod	Press Fit	
Direction & amount offset in piston	To Right - .063		

ENGINE - CONNECTING RODS

Material	Arma Steel	
Weight (oz.)	31.7	
Length (center to center)	6.625	
Bearing	Material & Type	Moraine 400-A (d) (e)
	Overall length	.88
	Clearance (limits)	.0005 - .0026 .0010 - .0031
	End play	.012 - .017 (Total for Two)

- (a) Optional 455 cu. in. engine uses taper face moly channel rings in No. 2 location
 (b) No. 2 .0623 on 455 cu. in. engine
 (c) No. 1 .021 on 455 cu. in. engine
 (d) Steel backed removable precision
 (e) Material is Moraine 100-A on optional 400 2-bbl. engine.

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISSED (*)MODEL T-37, LEMANS, LEMANS SPORT
250 L6 Engine 350 V8 Engine

ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
Compression	Description - material, coating, etc.	No. 1 (b) No. 2 Taper Face - Lubrite	Cast Iron Reverse Twist (a) Moly Channel Barrel Face Taper Face - Tin Plated
	Width	No. 1 .0630, No. 2 .0628	.0778
	Gap	.015	.019
	Expanders	In Oil Ring Assembly	
Oil	Description - material, coating, etc.	Multi-Piece (2 Rails and 1 Spacer Expander) Rails: Steel with Chrome Plated O.D. Expander: Stainless Steel	
	Width	.188	.186
	Gap	.035	
	Expanders	In Oil Ring Assembly	

ENGINE - PISTON PINS

Material	Chromium Steel		SAE 1016
Length	3.00		3.25
Diameter	.9272		.9802
Type	Locked in rod, in piston, floating, etc.		
	Bush- ing	In rod or piston	None
		Material	None
Clearance	In piston	.00015 - .00025	.0005 - .0007
	In rod	Press Fit	
Direction & amount offset in piston	To Right .060	To Right .063	

ENGINE - CONNECTING RODS

Material	Forged Steel		Arma Steel
Weight (oz.)	20.0		31.7
Length (center to center)	5.700		6.625
Bearing	Material & Type	(c) (d)	Moraine 100-A(d)
	Overall length	.807	.88
	Clearance (limits)	.0007 - .0027	.0005 - .0025
	End play	.009 - .013	.012 - .017 (Total for two)

- (a) Except L6 No. 1 ring has inside bevel.
 (b) Barrel face chrome plated
 (c) Sintered copper lead alloy
 (d) Steel backed removable precision

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

T-37, LEMANS, LEMANS SPORT, GTO

MODEL _____

ENGINE - CRANKSHAFT

455 V-8 Engines

Material		Nodular Iron		
Vibration damper type		Rubber Floated Weight		
End thrust taken by bearing (No.)		4		
Crankshaft end play		.0035 - .0085		
Main bearing	Material & type	Durex 100-A* Steel Backed, Removable - Precision		
	Clearance	.0005 - .0021**		
	Journal dia. and bearing overall length	No. 1	3.25 x .94	
		No. 2	3.25 x .94	
		No. 3	3.25 x .94	
		No. 4	3.25 x 1.19	
		No. 5	3.25 x 1.59	
		No. 6	None	
No. 7		None		
Dir. & amt. cyl. offset		None		
No. bolts/main brg. cap		2 (a)		
Crankpin journal diameter		2.25		

ENGINE - CAMSHAFT

Location		Between Cylinder Banks		
Material		Hardened Alloy Cast Iron		
Bearings	Material	High Lead Babbitt on Steel		
	Number	5		
Gear or chain		Chain		
Type of Drive	Crankshaft gear or sprocket material	Hardened Singered Iron		
	Camshaft gear or sprocket material	Aluminum Alloy with Nylon Covered Teeth		
	Timing chain	No. of links	60	
		Width	.88 (Morse)	
		Pitch	.375	

* Material changes to Moraine 400-A as follows:

1, 2, 3, and 4 upper location of HO engines.

All lower locations on all engines.

** Clearance changes to .00035 - .00195 on #1 location on all engines except LS5.

(a) Except locations 2, 3, and 4 on HO use 4 bolts each.

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(a)

T-37, LE MANS, LE MANS SPORT, GTO

MODEL _____

ENGINE - CRANKSHAFT 250 L6 Engine 350 V8 Engine 400 V8 Engine

Material Nodular Iron

Vibration damper type Rubber Floated Weight

End thrust taken by bearing (No.) 7 4

Crankshaft end play .002 - .006 .0035 - .0085

Main bearing	Material & type	Durex 100-A** Steel Backed, Removable - Precision		
	Clearance	.0003 - .0029	.0002 - .0017	
	Journal dia. and bearing overall length	No. 1	2.30 x .752	3.00 x .94
		No. 2	2.30 x .752	3.00 x .94
		No. 3	2.30 x .752	3.00 x .94
		No. 4	2.30 x .752	3.00 x 1.13
		No. 5	2.30 x .752	3.00 x 1.59
		No. 6	2.30 x .752	None
No. 7		2.30 x .760	None	
Dir. & amt. cyl. offset	None			
No. bolts/main brg. cap.	2			
Crankpin journal diameter	2.00	2.25		

ENGINE - CAMSHAFT

Location Right Side Between Cylinder Banks

Material Hardened Alloy Cast Iron

Bearings Material High Lead Babbitt on Steel

Number 4 5

Gear or chain Gear Chain

Crankshaft gear or sprocket material Steel Hardened Sintered Iron

Type of Drive Camshaft gear or sprocket material Bakelite - Fabric Aluminum Alloy

Comp. - Steel Hub With Nylon Covered Teeth

Timing chain No. of links None 60

Width None .88 (Morse)

Pitch None .375

****Material Changes to Moraine 400-A as Follows:**

#4 Lower of 350 & 400 2-Bbl. Engines.

#1, 2, 3 and 4 lower locations of 400 4-Bbl. engines.

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

T37, LE MANS, LE MANS SPORT, GTO
350 CU. IN. ENGINE

MODEL _____

ENGINE - VALVE SYSTEM With M38 Trans. Except M38 Trans.

Hydraulic lifters (Std., opt., NA) Standard

Valve rotator, type (intake, exhaust) None

Rocker ratio 1.5:1

Operating tappet clearance (indicate hot or cold) Intake Zero

Exhaust Zero

Timing (based on top of ramp points)	Intake	Opens (-BTC)	30	26
		Closes (-ABC)	63	63
		Duration - deg.	273	269
	Exhaust	Opens (-BBC)	77	72
		Closes (+ATC)	25	25
		Duration - deg.	282	277
Valve opening overlap		55	51	

Intake	Material		<u>GM-8440 w/Alum. Treatment on Face & Fl. Cr. Plated Stem</u>	
	Overall length		<u>4.981</u>	
	Actual overall head dia.		<u>1.963 - 1.957</u>	
	Angle of seat & face		<u>45° Seat - 44° Face</u>	
	Seat insert material		<u>Not Used</u>	
	Stem diameter		<u>.3419 - .3412</u>	
	Stem to guide clearance		<u>.0016 - .0033</u>	
	Lift (- zero lash)		<u>.410</u>	<u>.377 ± .011</u>
	Outer spring press. & length	Valve closed (lb. in.)	<u>54.3 @ 1.5898</u>	<u>54.3 @ 1.5898</u>
		Valve open (lb. in.)	<u>68.3 @ 1.1793</u>	<u>68.3 @ 1.2125</u>
	Inner spring press. & length	Valve closed (lb. in.)	<u>125.1 @ 1.5498</u>	<u>119.4 @ 1.5498</u>
		Valve open (lb. in.)	<u>139.1 @ 1.1393</u>	<u>133.4 @ 1.1725</u>

Exhaust	Material		<u>21-2 Steel w/Alum. Treatment on Face & Fl. Cr. Plated Stem</u>	
	Overall length		<u>4.970</u>	
	Actual overall head dia.		<u>1.663 - 1.657</u>	
	Angle of seat & face		<u>45° Seat - 44° Face</u>	
	Seat insert material		<u>Not Used</u>	
	Stem diameter		<u>.3414 - .3407</u>	
	Stem to guide clearance		<u>.0021 - .0038</u>	
	Lift (- zero lash)		<u>.414</u>	<u>.413 ± .011</u>
	Outer spring press. & length	Valve closed (lb. in.)	<u>54.3 @ 1.5898</u>	<u>54.3 @ 1.5898</u>
		Valve open (lb. in.)	<u>68.3 @ 1.1748</u>	<u>68.3 @ 1.1767</u>
	Inner spring press. & length	Valve closed (lb. in.)	<u>125.2 @ 1.5498</u>	<u>125.5 @ 1.5498</u>
		Valve open (lb. in.)	<u>139.2 @ 1.1348</u>	<u>139.5 @ 1.1367</u>

AMA Specifications Form--Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (e)

MODEL T-37, LE MANS, LE MANS SPORT, GTO

ENGINE - VALVE SYSTEM 250 L6 Engine

Hydraulic lifters (Std., opt., NA) Standard

Valve retainer, type (intake, exhaust) None

Rocker ratio 1.75:1

Operating tappet clearance (indicate hot or cold)	Intake	0
	Exhaust	0

Timing (based on top of ramp points)	Intake	Opens (BTC)	16°
		Closes (ABC)	48
		Duration - deg.	244°
	Exhaust	Opens (BRC)	46.5
		Closes (ATC)	17.5
		Duration - deg.	244°

Valve opening overlap 33.5

Intake	Material		Alloy Stl. Aluminized
	Overall length		4.912
	Actual overall head dia.		1.715-1.725
	Angle of seat & face		46° Seat - 46° Face
	Seat insert material		Not Used
	Stem diameter		.3410-.3417
	Stem to guide clearance		.0010-.0027
	Lift (zero lash)		.3880
	Outer spring press. & length	Valve closed (lb. in.)	56 @ 1.66
		Valve open (lb. in.)	64 @ 1.27
	Inner spring press. & length	Valve closed (lb. in.)	None
		Valve open (lb. in.)	None

Exhaust	Material		21-4N Aluminized
	Overall length		4.923
	Actual overall head dia.		1.505-1.495
	Angle of seat & face		46° Seat - 45° Face
	Seat insert material		None
	Stem diameter		.3417-.3410
	Stem to guide clearance		.0010-.0027
	Lift (zero lash)		.3880
	Outer spring press. & length	Valve closed (lb. in.)	56 @ 1.66
		Valve open (lb. in.)	64 @ 1.27
	Inner spring press. & length	Valve closed (lb. in.)	None
		Valve open (lb. in.)	None

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL		T37, LE MANS, LE MANS SPORT, GTO 455 CU. IN. ENGINES		
ENGINE - VALVE SYSTEM		455 HO (LS5)	455 (L75)	
Hydraulic lifters (Std., opt., NA)		Standard		
Valve rotator, type (intake, exhaust)		None		
Rocker ratio		1.5:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero		
	Exhaust	Zero		
Timing (based on top of ramp points)	Intake	Opens (BTC)	31°	23°
		Closes (ABC)	77°	70°
		Duration - deg.	288°	273°
	Exhaust	Opens (BBC)	90°	78°
		Closes (ATC)	32°	31°
		Duration - deg.	302°	289°
Valve opening overlap		63°	54°	
Intake	Material		GM-8440 w/Alum. Treatment on Face & Fl. Cr. Plated Stem	
	Overall length		4.959	4.880
	Actual overall head dia.		2.113 - 2.107	
	Angle of seat & face		30° Seat - 29° Face	
	Seat insert material		Not Used	
	Stem diameter		.3419 - .3412	
	Stem to guide clearance		.0016 - .0033	
	Lift (zero lash)		.410 + .011	.410 + .011
	Outer spring press. & length	Valve closed (lb. in.)	59.3 @ 1.5608	57.8 @ 1.5693
		Valve open (lb. in.)	73.3 @ 1.1462	71.8 @ 1.1588
	Inner spring press. & length	Valve closed (lb. in.)	130.8 @ 1.5208	128.6 @ 1.5293
		Valve open (lb. in.)	144.8 @ 1.1062	142.6 @ 1.1188
	Material		21-2 Steel w/Alum. Treatment on Face & Fl. Cr. Plated Stem	
	Overall length		4.948	4.869
	Actual overall head dia.		1.773 - 1.767	
Angle of seat & face		45° Seat - 44° Face		
Seat insert material		Not Used		
Stem diameter		.3419 - .3412		
Stem to guide clearance		.0021 - .0038		
Lift (zero lash)		.413 + .011	.414 + .011	
Outer spring press. & length	Valve closed (lb. in.)	59.3 @ 1.5608	57.8 @ 1.5693	
	Valve open (lb. in.)	73.3 @ 1.1469	71.8 @ 1.1554	
Inner spring press. & length	Valve closed (lb. in.)	130.7 @ 1.5208	129.2 @ 1.5293	
	Valve open (lb. in.)	144.7 @ 1.1069	143.2 @ 1.1154	

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

T37, LE MANS, LE MANS SPORT, GTO
400 CU. IN. ENGINES

MODEL		OPT. 4-B51.			OPT. 2-B51.			
ENGINE - VALVE SYSTEM		Auto. Trans.		Auto. Trans.		Man. Trans.		
Hydraulic lifters (Std., opt., NA)		Standard						
Valve rotator, type (intake, exhaust)		None						
Rocker ratio		1.5:1						
Operating tappet clearance (indicate hot or cold)	Intake	Zero						
	Exhaust	Zero						
Timing (based on top of ramp points)	Intake	Opens (BTC)	23°	26°	23°			
		Closes (ABC)	70°	63°	70°			
		Duration - deg.	273°	269°	273°			
	Exhaust	Opens (BBC)	78°	72°	78°			
		Closes (ATC)	31°	25°	31°			
		Duration - deg.	289°	277°	289°			
Valve opening overlap		54°		51°		54°		
Intake	Material		GM-8440 w/Alum. Treatment on Face & Fl. Cr. Plated Stem					
	Overall length		4.959		4.981		4.959	
	Actual overall head dia.		2.113-2.107		1.963-1.957		2.113-2.107	
	Angle of seat & face		30° Seat - 29° Face		45° Seat - 44° Face		30° Seat - 29° Face	
	Seat insert material		Not Used		Not Used		Not Used	
	Stem diameter		.3419-.3412		.3419-.3412		.3419-.3412	
	Stem to guide clearance		.0016-.0033		.0016-.0033		.0016-.0033	
	Lift (zero lash)		.410 + .011		.377 + .011		.410 + .011	
	Outer spring press. & length	Valve closed (lb. in.)	58.0 @ 1.5683		54.2 @ 1.5903		52.8 @ 1.5983	
		Valve open (lb. in.)	72.0 @ 1.1578		68.2 @ 1.2130		66.8 @ 1.1878	
	Inner spring press. & length	Valve closed (lb. in.)	128.8 @ 1.1578		119.3 @ 1.2130		123.6 @ 1.1878	
		Valve open (lb. in.)	142.8 @ 1.1178		133.3 @ 1.1730		137.6 @ 1.1178	
	Inner spring press. & length	Valve closed (lb. in.)	31.8 @ 1.5283		28.3 @ 1.5503		50.0 @ 1.5283	
Valve open (lb. in.)		41.8 @ 1.1178		38.3 @ 1.1730		62.0 @ 1.1178		
Valve open (lb. in.)		96.3 @ 1.1178		87.6 @ 1.1730		115.8 @ 1.1178		
Valve open (lb. in.)		106.3 @ 1.1178		97.6 @ 1.1730		127.8 @ 1.1178		
Exhaust	Material		21-2 Steel w/Alum. Treatment on Face & Fl. Cr. Plated Stem					
	Overall length		4.948		4.970		4.948	
	Actual overall head dia.		1.773-1.767		1.663-1.657		1.773-1.767	
	Angle of seat & face		45° Seat - 44° Face					
	Seat insert material		Not Used					
	Stem diameter		.3414 - .3407					
	Stem to guide clearance		.0021 - .0038					
	Lift (zero lash)		.413 + .011		.413 + .011		.413 + .011	
	Outer spring press. & length	Valve closed (lb. in.)	58.0 @ 1.5683		54.2 @ 1.5903		52.8 @ 1.5983	
		Valve open (lb. in.)	72.0 @ 1.1544		68.2 @ 1.1772		66.8 @ 1.1844	
	Inner spring press. & length	Valve closed (lb. in.)	129.4 @ 1.1544		125.5 @ 1.1772		124.2 @ 1.1844	
		Valve open (lb. in.)	143.4 @ 1.1144		139.5 @ 1.1372		138.2 @ 1.1144	
	Inner spring press. & length	Valve closed (lb. in.)	31.8 @ 1.5283		28.3 @ 1.5503		50.0 @ 1.5283	
Valve open (lb. in.)		41.8 @ 1.1144		38.3 @ 1.1372		62.0 @ 1.1144		
Valve open (lb. in.)		96.8 @ 1.1144		93.2 @ 1.1372		116.3 @ 1.1144		
Valve open (lb. in.)		106.8 @ 1.1144		103.2 @ 1.1372		128.3 @ 1.1144		

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL T-37, LEMANS, LEMANS SPORT, GTO

ENGINE - LUBRICATION SYSTEM		Optional 400 4-Bbl. Engine	Optional 455 4-Bbl. Engine
Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Metered Jet	
	Cylinder walls	Metered Jet	
Oil pump type	Spur Gear		
Normal oil pressure (lb. engine rpm)	30-40 Above 2600 (c)		
Oil press. sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary Screen		
Oil filter system (full flow, part., other)	Full Flow		
Filter replacement (element, complete)	Complete		
Capacity of cr. case, less filter-refill (qt.)	5		
Oil grade recommended (SAE viscosity and temperature range)	Above 20° F.: 20W, 10W-30, 10W-40, 20W-40 From 0° to 60° F.: 10W, 5W-30, 10W-30, 10W-40 Below 0° F.: 5W, 5W-20, 5W-30		
Engine Service Reamt. (MM, MS, etc.)	MS		

ENGINE - EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single (a)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One - Reverse Flow	Two - Reverse Flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	2.00 x .076 (a)
	Main	2.25 x .076 (a)
Tail pipe dia. (O.D. & wall thickness)	2.00 x .048 (b)	2.25 x .048 (b)

(a) Optional dual system for 400 4-bbl. option is same as dual system used on 455 4-bbl. option.

(b) Aluminized

(c) 55-60 above 2600 on optional 455 4-bbl. engine

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

T-37, LEMANS, LEMANS SPORT, GTO

MODEL

ENGINE - LUBRICATION SYSTEM Standard 250 L6 Engine Optional 350 V8 Engine Standard (GTO) 400 V8 & L78 Engine

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Nozzle	Metered Jet
Cylinder walls	Splash	Metered Jet	

Oil pump type	Spur Gear		
Normal oil pressure (lb. / engine rpm)	30-45 @ 1500	30-40 Above 2600	55-60 Above 2600
Oil press. sending unit (elect. or mech.)	Electric		
Type oil intake (floating, stationary)	Stationary Screen		
Oil filter system (full flow, part., other)	Full Flow		
Filter replacement (element, complete)	Complete		
Capacity of oil case, less filter-refill (qt.)	4	5	

Oil grade recommended (SAE viscosity and temperature range)
 Above 20° F.: 20W, 10W-30, 10W-40, 20W-40
 From 0° to 60° F.: 10W, 5W-30, 10W-30, 10W-40
 Below 0° F.: 5W, 5W-20, 5W-30

Engine Service Reqmt. (MM, MS, etc.) MS

ENGINE - EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single (a)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One - Reverse Flow		Two - Reverse Flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	Not Used	2.00 x .076 (a)
	Main	2.00 x .057-.071	2.25 x .076 (a)
Tail pipe dia. (O.D. & wall thickness)	1.88 x .062-.075	2.00 x .048 (b)	2.25 x .048 (b)

- (a) Optional dual system for 350 V8 uses two reverse flow mufflers, 2.00 x .060 exhaust pipes (no crossover) and 2.25 x .048 aluminized tailpipes.
- (b) Aluminized

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)
T-37, TEMANS, LEMANS SPORT, GTO

MODEL Standard Optional
250 L6 Engine 350 V8 Engine 400 & 455 V8 Engine

ENGINE - FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Refill capacity (U.S. gals.)	20 (b)			
	Filler location	Center Rear			
Fuel Pump	Type (elec. or mech.)	Mechanical			
	Locations	Right Frt. of Eng.	Left Frt. of Engine		
	Pressure range	4.0-5.0 psi	5.0-6.5 psi		
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type and Locations	Plastic Fabric in Fuel Tank and Sintered Bronze In Carburetor Inlet (a)			
	Choke type	Automatic			
Carburetor	Intake manifold heat control (exhaust or water)		Exhaust		
	Air cleaner type	Standard	Oil Wetted Paper Element		
		Optional	Two-Stage Wetted Plastic Foam Over Paper Element		
	Idle speed (spec. neutral or drive)	Manual N	700	800	600 (c) (d)
		Automatic D	550	600	700 (e)
	N D	Idle A-F mix. Not Specified			

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
233, 235 & 237 Std.	250	Manual	Rochester	7041017	1, 1-bbl.	1.69
		Automatic	Rochester	7041014	1, 1-bbl.	1.69
350 V8 Opt. (L30)	350	Manual	Rochester	7041171	1, 2-bbl.	1.69
		Automatic	Rochester	7041062	1, 2-bbl.	1.69
400 2-bbl. Opt. (L65)	400	Automatic	Rochester	7041060	1, 2-bbl.	1.69
400 4-bbl. Opt. (L78)	400	Manual	Rochester	7041263	1, 4-bbl.	P. 1.38
		Automatic	Rochester	7041264	1, 4-bbl.	S. 2.25
242 Standard	400	Manual	Rochester	7041263	1, 4-bbl.	P. 1.38
		Automatic	Rochester	7041264	1, 4-bbl.	S. 2.25
455 HO Opt. (LS5)	455	Manual	Rochester	7041267	1, 4-bbl.	P. 1.38
		Automatic	Rochester	7041268	1, 4-bbl.	S. 2.25
455 HO Opt. With Ram Air Inlet (LS5)	455	Manual	Rochester	7041273	1, 4-bbl.	P. 1.38
		Automatic	Rochester	7041270	1, 4-bbl.	S. 2.25
455 (L75)	455	Automatic	Rochester	7041262	1, 4-bbl.	P. 1.38 S. 2.25

- (a) Carburetor inlet filter is pleated paper in 4-bbl. and 1-bbl. Rochester carburetors.
 (b) Except station wagon, 23
 (c) Idle stop solenoid used only on MT 400 and MT 455 H.O.
 (d) With idle stop inactive, 1000 with idle stop active
 (e) On 400; 650 on 455 (L75); 700 on 455 HO (LS5)

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*)

T-37, LEMANS, LEMANS SPORT, GTO

MODEL										
ENGINE - COOLING SYSTEM		Standard 250 L6 Engine	Optional 350 V8 Engine							
		Standard (GTO) 400 V8 Engine								
Type system (pressure, pressure vented, atmospheric, other)		Pressure Vented								
Radiator cap relief valve pressure		14-17 PSI								
Circulation thermostat	Type (choke, bypass)	Choke								
	Starts to open at (°F)	195								
Water pump	Type (centrifugal, other)	Centrifugal								
	GPM 1000 pump rpm	60 @ 4400	17							
	Number of pumps	One								
	Drive (V-belt, other)	V-Belt								
Bearing type		Sealed Ball Bearing								
By-pass recirculation type (inter., ext.)		Internal								
Radiator core type (cellular, tube and fin, other)		Tube and Center								
Cooling system capacity	With heater (qt.)	13	20.2							
	Without heater (qt.)	Heater Standard Equipment								
	Opt. equipment-specify (qt.)	12.4 With A/C	20.9 With A/C							
Water jackets full length of cyl. (yes, no)		Yes								
Water all around cylinder (yes, no)		Yes								
Radiator hose	Lower	Number and type (molded, straight)	One, Molded							
		Inside diameter	1.50							
	Upper	Number and type (molded, straight)	One, Molded							
		Inside diameter	1.50							
	By-pass	Number and type (molded, straight)	None							
		Inside diameter	None							
Fan	Number of blades & spacing	4--65° & 115° (b)	4--76° & 104° (a) (b)							
	Diameter	15.62	19.0							
	Ratio-fan to crankshaft rev.	1.15:1 (1.25:1 A/C)	.91:1 (1.25:1 with A/C)							
	Fan cutout type	Fluid Clutch - Thermostatic Control (with A/C)								
	Bearing type	See Water Pump								
* Drive belts (indicate belt used by letter)	Fan	A	A, B	C, D	E, D	G	H, I	G	H, K	L, K
	Generator or alternator	A	A, B	C	E, F	G	H	G	H	L
	Water Pump	A	A, B	C, D	E, D	G	H, I	G	H, K	L, K
	Power Steering		B		E		I		K	K
	Air Conditioning			D	D			J	J	J
		L6 Engine				V-8 Engine				80 Amp.

* Drive Belt Dimensions	L	A	B	C	D	E	F	G	H	I	J	K
Angle of V	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°	36°
Nominal length (SAE)	52.25	39.0	50.0	37.75	53.75	49.5	31.0	47.5	48.0	51.08	59.24	50.5
Width	.47	.38	.38	.38	.47	.38	.38	.38	.38	.47	.47	.47

(a) 5 blade 19 diameter Power-Flex fan standard on GTO

(c) 17.9 quarts with 455 V-8 engine option

(b) Fan capacity increases on A/C cars

(d) 18.9 quarts with 455 V-8 engine option

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (e)

T-37, LEMANS, LEMANS SPORT, GTO

MODEL

VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)	
	Air Injection Pump	Type
		Displacement
		Drive ratio
		Drive type
		Relief valve (type)
	Air Injection System	Filter (describe)
		Air distribution (head, manifold, etc.)
		Point of entry
		Injection tube i.d.
Check valve type		
	Backfire protection (type)	

STANDARD ENGINE PROVIDES EXHAUST EMISSION CONTROL

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction System
			Optional	None
	Control Unit	Make and model		AC Type CV-679C
		Location		Push Rod Cover
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Control method (variable orifice, fixed orifice, other)		Variable Orifice
	Complete system	Discharges (to intake manifold, other)		Intake Manifold
		Air inlet (breather cap, other)		Through Filter in Carburetor Air Cleaner
		Flame arrestor (screen, other)		Check Valve

Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	20 except Station Wagon; 23 Station Wagon	
		Thermal expansion volume (cu. ft.)	.401 exc. Station Wagon; .241 Station Wagon	
		Pressure relief location (lbs.)	.903 - 1.265 in Cap	
		Vacuum relief location (lbs.)	.181 - .506 in Cap	
		Vapor-liquid separator type	Stand Pipe	
		Vapor vented to (crankcase, cannister, other)	Cannister	
	Carbu- retor Vapor Storage	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Cannister
		Vapor Storage	Storage provision (crankcase, cannister, other)	Cannister
			Volume (cu. ft.) or capacity (grams)	.055 cu. ft.
	Control valve type	6 cylinder		

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL T 37 LEMANS LEMANS SPORT GTO

ELECTRICAL – SUPPLY SYSTEM

		250 L6	350 V-8	400 V-8	455 V-8	
Battery	Make and Model	Delco Y-54 (a)	Delco Y-58 (a)	Delco R-58	Delco R-88S	
	Voltage Rtg. & Total Plates	12-54	12-54	12-66	12-78	
	SAE Designation & Amp. Hr. Rtg.	17 M-45AmpHr.	2SM-53Amp.Hr.	2SM-61AmpHr.	2SM-62Amp.H.	
	Location	Underhood R.H. Side	Underhood - L.H. Side			
Terminal grounded		Negative				
Generator or Alternator	Make	Delco Remy				
	Model	1100927 (b) (c) (f)				
	Type and rating	37 Amp.				
	Output at engine idle (neutral)	5-10 Amps.				
Ratio-Gen. to Cr.'s rev.		2.80:1 (3.02:1 with A/C)				
Regulator	Make	Regular integral w/Alt. No external regulator used				
	Model					
	Type					
	Cutout relay	Closing voltage generator rpm				
		Reverse current to open				
	Regulated	Voltage				
		Current				
	Voltage test conditions	Temperature				
Load						
Other						

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make	Delco Remy		
	Model	1108439	1108434	1108435
	Rotation (drive end view)	Clockwise		
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	Place gearshift lever in neutral and depress clutch.* With cold engine depress accelerator pedal to floor and release. With warm engine, hold accelerator pedal about halfway down turn ignition key clockwise to engage starter, release key as soon as engine starts. *Use neutral or park with automatic transmission (No clutch).		
Motor Drive	Engagement type	Sliding Gear - Overrunning Clutch		
	Pinion meshes (front, rear)		Rear	Front
	Number of teeth	Pinion	9	
		Flywheel	Manual	153
	Auto.		153	166
Flywheel tooth face width	Manual	.41	.40	
	Auto.	.41	.40	

- (a) Delco R-58 used with A/C or heavy duty battery option
- (b) 1100928 (55 amp.) with A/C or Rear Window Defogger
- (c) 1101015 (80 amp.) HD with A/C and Rear Window Defogger and Power Steering
N.A. with L6
- (d) 1100550 with Power Steering on L6 engine

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL T-37 LEMANS LEMANS SPORT GTO

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR 455 V-8 455 V-8 HO

Breaker gap (in.)		<u>.016</u>	
Cam angle (deg.)		<u>28 - 32</u>	
Breaker arm tension		<u>28 - 32</u>	
Distributor	Manual	<u>1112072</u>	<u>1112073</u>
	Automatic	<u>1112072</u>	<u>1112073</u>
Timing	Manual	<u>9° BTDC at Idle</u>	
	Automatic	<u>9° BTDC at Idle</u>	

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
<u>1112072</u>	<u>1150</u>	<u>6° @ 1650</u>	<u>22° @ 4600</u>	<u>8 - 10</u>	<u>20</u>
<u>1112073</u>	<u>1000</u>	<u>8° @ 1500</u>	<u>26° @ 4450</u>	<u>6 - 8</u>	<u>20</u>

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL T-37 LEMANS LEMANS SPORT GTO

ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR		250 6-Cyl.	350 V-8	400 V-8 2-Bbl.	400 V-8 4-Bbl
Breaker gap (in.)		.019	.016		
Cam angle (deg.)		31-34	28-32		
Breaker arm tension		19-23			28-32
Distributor	Manual	1110489	1112090	--	1112070
	Automatic	1110489	1112090	1112089	1112070
Timing	Manual	4° BTDC at Idle	9° BTDC at Idle		
	Automatic	4° BTDC at Idle	9° BTDC at Idle		

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1110489	1100	14° @ 2300	24° @ 4100	7 - 9	23
1112090	1600	7° @ 2000	18° @ 4600	6 - 8	20
1112089	1600	8° @ 2000	24° @ 4600	6 - 8	20
1112070	1150	6° @ 1650	22° @ 4600	6 - 8	20

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 6-17-70 REVISED (a)MODEL T-37 LEMANS LEMANS SPORT GTO

ELECTRICAL - IGNITION SYSTEM		250 L6	350 V-8	400 V-8	455 V-8
Type	Conventional - Std., Opt., N.A.	Standard			
	Transistorized - Std., Opt., N.A.	N.A.			
	Other (specify)	--			
Coil	Make	Delco Remy			
	Model	1115208	1115424		
	Amps	Engine stopped	3.5	3.4	
		Engine idling	2.8	2.1	
Spark Plug	Make	AC			
	Model	R 45-T	R 47-S	R 46-S(a)	R46-S
	Thread (mm)	14 mm			
	Tightening torque (lb. ft.)	15 - 25			
	Gap	.033 - .038			
Cable	Conductor type	Distributed Resistance			
	Insulation type	Neoprene			
	Spark plug protector	Neoprene Boot	Hypalon Boot		

ELECTRICAL - SUPPRESSION

Locations & Type	Internal distributor point shielding, wide gap distributor rotor, resistor spark plugs (5000 OHMS), distributed resistance secondary cables, hood ground clip and 0.3 MFD ignition coil by-pass capacitor.
------------------	--

ELECTRICAL - INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Mechanical
	Trip odometer (std. opt., N.A.)	N.A.
Charge indicator - type		Telltale Lamp
Temperature indicator - type		Telltale Lamp
Oil pressure indicator - type		Telltale Lamp
Fuel indicator - type		Electric Gage
Windshield wiper	Type - Standard	2-Sp. Electric, Concealed Park, L.H. Arm Articulated
	Type - Optional	See (b)
Windshield washer	Type - Standard	Electric - Pump Is Integral With Wiper Motor
	Type - Optional	None
Horn	Type	Solenoid
	Number used	1 Std. (c)
	Amp draw (each)	4.3 - 5.9 @ 12.5V
Other		Optional instrument cluster with temperature and oil pressure telltales replaced with gages

(a) 4-bbl. engines; R 47-S for 2-bbl

(b) Standard except T-37; option on T-37. Standard T-37 2-speed electric nondepressed park, nonarticulated arm.

(c) On T-37 and LeMans; 2 standard on LeMans Sport and GTO

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*)

MODEL	T-37	LEMANS	LEMANS SPORT	GTO
DRIVE UNITS - CLUTCH (Manual Transmission)	L6 Engine		V8 Engines	
			350 & 400	455
Make & type	Own - Dry			
Type pressure plate springs	Disc Spring			
Total spring load (lb.)	1740	2050 (a)	2750	
No. of clutch driven discs	One			
Clutch facing	Material	Woven Molded Asbestos		
	Outside & inside dia.	9.12 x 6.12	10.4 x 6.5	11.0 x 6.5
	Total eff. area (sq.in.)	71.82	85.56	104.01
	Thickness	.135	.140	.135
	Engagement cushioning method	Driven Plate Waved Spoke Springs		
Release bearing	Type & method of lubrication	Ball Thrust - Prepacked & Sealed		
Torsional damping	Methods: springs, friction material	Coil Springs & Metal to Metal Friction		

DRIVE UNITS - TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard
Manual 4-speed (std., opt. N.A.)	Optional on V8 Only
Automatic (std., opt. N.A.)	Optional

DRIVE UNITS - MANUAL TRANS.

Number of forward speeds	3-Sp. 250 L6	3-Sp. 350 V8	3-Sp. V8 (b)	4-Sp. V8 (c)	4-Sp. V8 (d)	
In first	2.85:1	2.54:1	2.42:1	2.52:1	2.20:1	
In second	1.68:1	1.50:1	1.58:1	1.88:1	1.64:1	
In third	1.00:1	1.00:1	1.00:1	1.46:1	1.28:1	
In fourth	--	--	--	1.00:1	1.00:1	
In reverse	2.95:1	2.63:1	2.41:1	2.59:1	2.27:1	
Synchronous meshing, specify gears	All Forward					
Shift lever location	Steering Column		Floor			
Lubricant	Capacity (pt.)	3.5	2.8	2.5		
	Type recommended	Type A - Extreme Pressure				
	SAE viscosity number	Summer	80 or 90			
		Winter	80 or 90			
Extreme cold		80 or 90				

- (a) 2350 lbs. on 400 cu. in.
- (b) Standard 3-speed for 400 and 455 V8 engines - Heavy Duty Option for 350 V8 engine. Not available with Station Wagons.
- (c) 4-Speed option for 350 V8 and 400 V8. Not available with Station Wagons.
- (d) Close ratio 4-speed - optional on 455 4-bbl. and 400 4-bbl. engines with 3.90 or 4.33 axle ratios. Not available with Station Wagons.

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (a)

T-37, LEMANS, LEMANS SPORT, GTO

MODEL _____

DRIVE UNITS – AUTOMATIC TRANSMISSION		400 2-Bbl. Engine	400 4-Bbl. Engine			
Trade name	Turbo Hydra-Matic					
Type describe	Torque Converter (M40)					
Selector location	Steering Column (a)					
List gear ratios Selector Pattern and indicate which are used in each selector position	P	R	N	D	S	L
		2.08		2.48	2.48	
				1.48	1.48	
				1.00		
Max. upshift speed—drive range	82		86			
Max. kickdown speed—drive range	76		80			
Torque convertor	Number of elements	Three				
	Max. ratio at stall	2.0:1		2.3:1		
	Type of cooling (air, liquid)	Water				
	Nominal diameter	12.5				
Lubricant	Capacity—refill (pt.)	7.5				
	Type recommended	GM Dexron Automatic Transmission Fluid				
Special transmission features						

DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 60.0 x .065 (116 W.B.)
		3.00 x 56.0 x .065 (112 W.B.)
	Manual 4-speed trans.	3.25 x 59.34 x .065 (116 W.B.)
		3.00 x 55.34 x .065 (112 W.B.)
Overdrive transmission	Not Offered	
Automatic transmission	3.25 x 59.34 x .065 (116 W.B.)	
	3.00 x 55.34 x .065 (112 W.B.)	

* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

(a) On optional console of cars with bucket seats (GTO and LeMans Sport 2-door styles).

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 (REVISED^(*))

MODEL

T-37, LEMANS, LEMANS SPORT, GTO

DRIVE UNITS – AUTOMATIC TRANSMISSION		Standard 250 L6 Engine	Optional 350 V8 Engine								
Trade name	Automatic		Turbo Hydra-Matic (M38)								
Type describe	Torque Converter										
Selector location	Steering Column (a)										
List gear ratios Selector Pattern and indicate which are used in each selector position	P	R	N	D	L	P	R	N	D	S	L
		1.76		1.76	1.76		1.92		2.52	2.52	2.52
			1.00						1.52	1.52	
									1.00		
	250 L6		350 V8		250 L6		350 V8				
Max. upshift speed—drive range (b)	56		76		70		86				
Max. kickdown speed—drive range (b)	50		70		66		82				
Torque converter	Number of elements	Three									
	Max. ratio at stall	2.2:1									
	Type of cooling (air, liquid)	Water									
	Nominal diameter	11.75									
Lubricant	Capacity—refill (pt.)	6					6				
	Type recommended	GM Dexron Automatic Transmission Fluid									
Special transmission features											

DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 60.0 x .065 (116 W.B.) 3.00 x 56.0 x .065 (112 W.B.)
	Manual 4-speed trans.	3.25 x 60.0 x .065 (116 W.B.) 3.00 x 56.0 x .065 (112 W.B.)
	Overdrive transmission	Not Offered
	Automatic transmission	3.25 x 60.0 x .065 (116 W.B.) 3.00 x 56.0 x .065 (112 W.B.)

* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

- (a) On console of LeMans Sport 2-door models with bucket seats and option console.
 (b) Based on non-air conditioning car with standard axle for engine indicated

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (*)

MODEL GTO

DRIVE UNITS – AUTOMATIC TRANSMISSION 400 & 455 V8 Engine

Trade name	Turbo Hydra-Matic (M40)					
Type describe	Torque Converter					
Selector location	Steering Column (a)					
List gear ratios Selector Pattern and indicate which are used in each selector position	<u>P</u>	<u>R</u>	<u>N</u>	<u>D</u>	<u>S</u>	<u>L</u>
		2.08		2.48	2.48	
				1.48	1.48	
				1.00		
	Std. 400 4-Bbl.		455 4-Bbl.		455 HO	
Max. upshift speed—drive range	86		86		86	
Max. kickdown speed—drive range	80		80		80	
Torque converter	Number of elements	Three				
	Max. ratio at stall	2.3:1				
	Type of cooling (air, liquid)	Water				
	Nominal diameter	12.5				
Lubricant	Capacity—refill (pt.)	7.5				
	Type recommended	GM Dexron Automatic Transmission Fluid				
Special transmission features						

DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.00 x 56.0 x .065 (112 W.B.)
	Manual 4-speed trans.	3.00 x 55.34 x .065 (112 W.B.)
	Overdrive transmission	Not Offered
	Automatic transmission	3.00 x 55.34 x .065 (112 W.B.)

* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

(a) On optional console of cars with bucket seats (GTO & LeMans Sport 2-door styles).

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (e)

MODEL T-37, LEMANS, LEMANS SPORT, GTO

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	Not Used
	Lubrication (fitting, prepack)	Not Used
Slip Yoke	Type	Splined
	Number of teeth	27 Exc. 400 & 455 Turbo Hydra-Matic; & 4-Speed M.T. 32 on 400 & 455 Turbo Hydra-Matic & 4-Speed M.T.
	Spline O.D.	1.175 - 27 Tooth; 1.375 - 32 Tooth
Universal joints	Make and Mfg. No.	Saginaw - Size 44 (Regular)
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-Bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepacked
Drive taken through (torque tube or arms, springs)		Control Arms
Torque taken through (torque tube or arms, springs)		Control Arms

DRIVE UNITS – AXLE

Type (front, rear)	Rear		
Description	Semi-Floating Hypoid		
Limited Slip differential, type	Spring Loaded Clutch (Optional)		
Drive Pinion Offset	1.50		
No. of differential pinions	2		
Pinion adjustment (shim, other)	Shim		
Pinion bearing adj. (shim, other)	Collapsible Spacer		
Wheel bearing type	Roller Bearing		
Lubricant	Capacity (pt.)	3 (a)	
	Type recommended	MIL-L-2105 B (b)	
	SAE viscosity number	Summer	80 or 90
		Winter	80 or 90
Extreme cold		80 or 90	

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio			(c)					(d)	
	3.07:1	3.31:1	3.55:1	2.56:1	2.78:1	3.08:1	3.23:1	3.55:1	3.90:1
No. of teeth	Pinion	14	13	11	16	14	13	11	10
	Ring gear	43	43	39	41	39	42	39	39
Ring Gear O.D.	8.875				8.125				

- (a) Capacity increases to 5 pints with 8.875 diameter ring gear
- (b) Special lubricant required with limited slip differential
- (c) With L75 and LS5 engines only
- (d) Except L75 and LS5 engines only

AMA Specifications Form--Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*)MODEL T-37 LEMANS LEMANS SPORT GTO

DRIVE UNITS - WHEELS

Type & material		Disc - Steel	
Rim (size & flange type)	Std.	14 x 5 JJ	14 x 6 JJ
	Opt.		
Attachment	Type (bolt or stud)	Bolt	
	Circle diameter	4.75	
	Number and size	5, 7/16-20	

MODEL _____

DRIVE UNITS - TIRES

Standard	Size, ply rating, & ply	E78-14	F78-14 (a) (b)	G70-14 (b)	
	Type (bias, radial, etc.)	Bias Belted			
	Full rated Inflation Press.	Front	24		
		Rear	28 - Except 32 on Station Wagons		
Rev./Mile at 50 MPH		F78-14-787, G70-14-778, G78-14-775			
Optional	Size, ply rating, & ply	G78-14 (b) (c) G78-14 Load Range D, 6 Ply Tread-4 Ply Body (T.P.) G70-14 (b) F78-14 (d)			

BRAKES - PARKING

Type of control	Foot Lever Application - Hand Pull Release	
Location of control	Below Instrument Panel at Left	
Operates on	Rear Service Brakes	
If separate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	Not Separate
	Lining size (length x width x thickness)	Not Separate

- (a) Standard on all models except station wagons and 8-cylinder engines with A/C--G78-14 standard with V8 engine option A/C and 2-seat station wagons H78-14 standard on all 3-seat station wagons.
- (b) Load Range B, 4 Ply Tread-2 Ply Body
- (c) Not available on GTO
- (d) Space saver spare, Load Range B, 3 Ply Tread-2 Ply Body (not available on station wagon)

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(e)

MODEL T-37 LEMANS LEMANS SPORT GTO

BRAKES - SERVICE

Type (drum) or (disc & no. of pistons)		Drum - Standard	Front Disc-Single, Opt. (a)	
Self adjusting (std., opt., N.A.)		Standard		
Special Valving	Type (proportion, delay, metering, other)	--	Hold-Off Valve Proportioning Valve	
Power brake make & type (remote, int., etc.)	Std. Opt.	Delco Moraine, Integral Type, Vacuum Suspended (b)		
Effective area (sq. in.) *		149.4	103.6	
Gross lining area (sq. in.) **		155.5	110.6	
Swept area (sq. in.) ***		269.2	350.9	
Front to Rear Effectiveness Relationship		62.6	62.6	
Drum	Diameter (nominal)	Front Rear	9.5 9.5	
	Type and material	Cast Alloy Iron (c)		
Rotor	Outer working diameter	--	10.94	
	Inner working diameter	--	6.88	
	Working width	--	1.00	
	Material & type (vented/solid)	--	Cast Alloy Iron - Vented	
Wheel cylinder bore	Front	1.125	2.9375	
	Rear	.875		
Master Cylinder	Bore	1.00	1.125	
	Stroke	1.227	1.425	
Pedal arc ratio		6.15:1 Manual - 3.36:1 Power (e)		
Line pressure at 100 lb. pedal load		700 Manual, 900 Power-Drum, 800 Power-Disc		
Shoe Clearance	Front	(d)	Zero	
	Rear	(d)		
Anti-skid device type (std., opt., N.A.)		Not Available		
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material	Molded Asbestos	
		Size (length x width x thickness)	Prim. or out-board	7.6 x 2.5 x .196
			Second. or in-board	9.85 x 2.5 x .265
		Segments per shoe	One	
	Rear Wheel	Material	Molded Asbestos	
		Size (length x width x thickness)	Prim. or out-board	7.6 x 2.0 x .196
			Second. or in-board	9.85 x 2.0 x .265
Segments per shoe		One		

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

(a) Included with power brake option on GTO series.

(b) Optional with drum brakes. Included with front disc brake option-all se

(c) Front--finned 1 pc. casting, rear--finned composite.

(d) Diametral clearance of .030.

(e) At 0.5 in. push rod travel.

(f) Manual drum; 1.240 power drum.

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(e)

MODEL T-37 LEMANS LEMANS SPORT GTO

STEERING

Manual (std., opt., NA)		Standard		
Power (std., opt., NA)		Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilting Wheel, Adjusts Vertically - Six positions		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	14.75 x 15.25		
	Power	14.75 x 15.25		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	40.5 (112 W.B.) 41.7 (116 W.B.)	
		Curb to curb (l. & r.)	37.4 (112 W.B.) 38.6 (116 W.B.)	
	Inside rear	Wall to wall (l. & r.)	23.1 (112 W.B.) 24.3 (116 W.B.)	
		Curb to curb (l. & r.)	23.7 (112 W.B.) 24.9 (116 W.B.)	
Manual	Gear	Type	Recirculating Ball Bearing	
		Make	Saginaw	
		Ratios	Gear 24:1 Overall 28.3:1	
	No. wheel turns (stop to stop)	5.6		
	Power	Type (coaxial, linkage, etc.)	Coaxial	
Make		Saginaw		
Gear		Type	Recirculating Ball Bearing	
		Ratios	Gear 16.0 to 13.0:1 Overall 18.9 to 15.3:1	
		Pump driven by	Belt From Crankshaft	
No. wheel turns (stop to stop)	3.5			
Linkage	Type	Link Parallelogram		
	Location (front or rear of wheels, other)	Front of Wheels		
	Drag link (trans. or longit.)	Trans.Strg.Rod Connects Tie Rods, Pitman & Idler Arm		
	Tie rods (one or two)	Two		
Steering Axis	Inclination at camber (deg.)	9° 0' @ 0° Camber		
	Bearings (type)	Upper	Ball Joint	
		Lower	Ball Joint	
		Thrust	Spring Load Taken by Lower Ball Joint	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)	1° 30' Negative ± 30'		
	Camber (deg.)	0° 15' Positive ± 30'		
	Toe-in (outside track inches)	0 to .125 Toe-in Measured 9" Above Floor		
Steering spindle & joint type		Reverse Elliott - Ball Joint		
Wheel Spindle	Diameter	Inner bearing	1.249	
		Outer bearing	.749	
	Thread size	3/4 - 20		
	Bearing type	Taper Roller		

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED (a)

MODEL T-37 LEMANS LEMANS SPORT GTO

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	None	
Provision for brake dip control	Compound Anti-Dive Control & Anti-Rise Rear Susp.	
Provision for acc. squat control	Geometry of Rear Links	
Special provisions for car jacking	Jack Locating Provisions on Front & Rear Bumpers	
Shack absorber front & rear	Type	Direct Acting - Two-Way
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION – FRONT

Type and description	Ball Joint Independent Front Suspension With Upper & Lower Control Arms Mounted on Rubber Bushings		
Spring	Type	Coil	
	Material	SAE 9260	
	Size (coil design height & I.D., bar length x dia.)	11.30 x 3.6	
	Spring rate (lb. per in.)	250 Std. on 23369 - 280, 310 & 335 (a)	310 (a)
	Rate at wheel (lb. per in.)	74 Std. on 23369 - 82, 91 & 99 (a)	91 (a)
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	SAE 9260, .937 (Exc. .907 on S.W., 1.125 on GTO)	

SUSPENSION – REAR

Type and description	Four Link Pivoted Control Arm Control Arms		
Drive and torque taken through	Coil		
Spring	Type	SAE 9260	
	Material	SAE 9260	
	Size (length x width, coil design height & I.D., bar length & dia.)	7.76 x 5.50	
	Spring rate (lb. per in.)	122 Std. on 23369 - 144, 150 & 200 (a)	122 (a)
	Rate at wheel (lb. per in.)	106 Std. on 23369 - 130, 136 & 180 (a)	106 (a)
	Mounting insulation type	None	
Stabilizer	If leaf	No. of leaves	None
	Type (link, linkless, frameless)	Shackle (comp. or tens.)	None
	Material	Not Used	Linkless 1070 (.875)
Track bar type	None		

(a) Alternate springs used as required for body styles and optional equipment

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISIONS (e)

MODEL	T-37	LEMANS	LEMANS SPORT	GTO
-------	------	--------	--------------	-----

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Perimeter Type With Swept Hips - Boxed on Convertible
---	---

BODY - MISCELLANEOUS INFORMATION

Drs. hinged (front, rr.)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)	Acrylic Lacquer	
Hood counterbalanced (yes, no)	Yes	
Hood release control (internal, external)	External	
Vehicle Ident. No. location	Left Front Edge of Instrument Panel - Visible Through Windshield	
Engine No. location	Top of Cyl. Block on RH Side Near Oil Filler (a)	
Theft protection - type	*	
Vent window control method (crank, friction pivot)	Front	Crank - Exc. 37 & 67 Styles Which are W/O Vent
	Rear	--
Seat cushion type	Front	(b) (c)
	Rear	Zig Zag Spring with Foam Pad
	3rd seat	None
Seat back type	Front	Solid Foam (c)
	Rear	(d)
	3rd seat	None
Windshield glass type (i.e., single curved - laminated plate)	Single Curved Laminated Safety Plate	
Side-glass type (i.e., curved - tempered plate)	Curved Tempered Safety Plate	
Backlight glass type (i.e., compound curved - tempered plate, three piece)	Curved Tempered Safety Plate (e)	
	BODY STYLE	
	69	39
	27	37
	67	35 & 36
Windshield glass exposed surface area	1249.6	1249.6
Side glass exposed surface area	1197.0	1303.6
Backlight glass exposed surface area	1032.2	1032.2
Total glass exposed surface area	3478.8	3585.4
	3491.4	3588.1
	2938.1	4426.5

- (a) Front of RH cylinder bank on V8 engine.
- (b) Zig-zag spring with foam pad.
- (c) Zig-zag spring with contour molded foam pad - except 23739 & 23736 are same as T-37.
- (d) Zig-zag spring with cotton pad.
- (e) Compound curved tempered safety plate on 35, 36, and 39 styles.
- * Anti-theft steering column lock: Locks ignition switch, steering gear and gearshift (in Reverse with manual, Park with automatic transmission), key removable in locked position only and opening driver's door operates "key-in-lock" buzzer. Interior front door locking knobs moved forward to deter theft. Form Rev. 3-70

AMA Specifications Form—Passenger Car

MAKE OF CAR Pontiac MODEL YEAR 1971 DATE ISSUED 9-9-70 REVISED ^(*)

MODEL T-37 LEMANS LEMANS SPORT GTO

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Optional
	Vent windows	Not Offered
	Backlight or tailgate	Optional on station wagon
Power seats (specify type as well as availability)		Power Tilt Seat (Fore & Aft Plus Elevation at Rear Edge) Optional on All Bench & LH Bucket Seats
Reclining front seat back (R-L or both)		Not Offered
Front seat head restrainer (R-L or both)		Standard Right and Left on All Front Seats
Radios (specify type as well as availability)		Optional: AM, AM-FM, AM-FM Stereo - All Pushbutton Type
Rear seat speaker		Optional
Power antenna		Not Offered - Windshield Antenna Standard
Clock		Optional on All Except With Panel Mounted Tachomete
Air conditioner (specify type and availability)		Reheat Cycle - Optional
Speed warning device		Safeguard Speedometer - Optional
Speed control device		Opt. on Cars With V8 Engine & THM Transmission Comb
Ignition lock lamp		Not Offered
Dome lamp		Standard Except Convertible
Glove compartment lamp		Standard on 237 & 242 Series - Optional on Others
Luggage compartment lamp		Optional (Except Station Wagon)
Underhood lamp		Optional
Courtesy lamp		Standard on Convertible - Not Offered on Others
Map lamp		Not Offered
Auto. trans. quad. lamp		Standard
Cornering light lamp		Not Offered
Low Fuel Warning Lamp		Optional--Included with Safeguard Speedometer
Tachometer		Optional with V8--Hood Mounted or in Rally Gage Cl
Stereo Tape Player		Optional in Combination With Any Radio
Elec. Luggage Compartment Lid Release		Optional
Dome and Reading Lamp		Optional - All Except Convertible
Rear Compartment Courtesy Lamp		Optional on Station Wagons
Cigar Lighter and Ash Tray Light		Standard on Lemans Sport & GTO--Optional on Others
Cassette Tape Player		Optional in combination with any radio (a)

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest *	27.5 (Exc. Station Wagon 28.3)	27.0
		Lowest	27.5 (Exc. Station Wagon 28.3)	27.0
	Tail	Highest	21.4 (Exc. Station Wagon 29.8)	21.4
		Lowest	21.4 (Exc. Station Wagon 29.8)	20.4
Sidemarker	Front	16.4 (Exc. Station Wagon 17.1)	21.4	
	Rear	21.4 (Exc. Station Wagon 29.8)	24.3	
Distance from C L of car to center of bulb	Headlamp	Inside	23.4	31.2
		Outside *	31.3	24.2
	Tail	Inside	24.2 (Exc. Station Wagon 33.7)	30.3
		Outside	30.3 (Exc. Station Wagon 33.7)	27.5
	Directional	Front	28.8	
		Rear	Same as Tail Lamp	

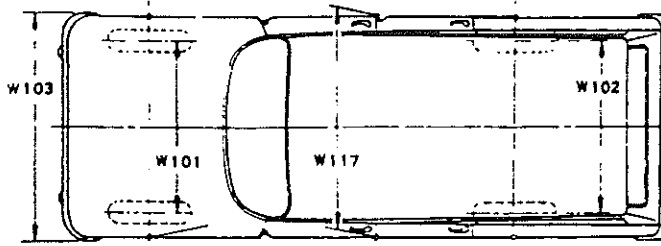
* If single headlamps are used enter here.

(a) Cassette Tape Player and Stereo Tape Player not available with each o

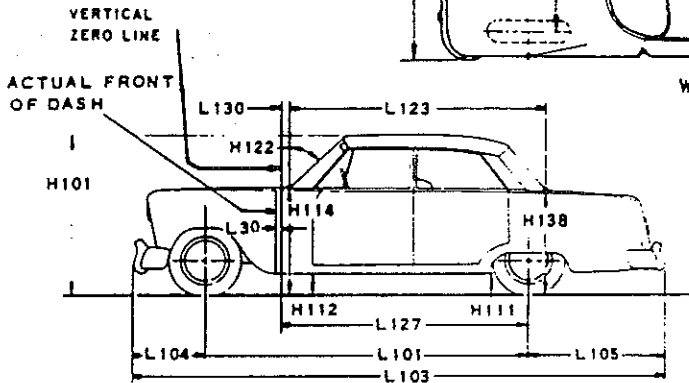
CAR AND BODY DIMENSIONS

KEY SHEET

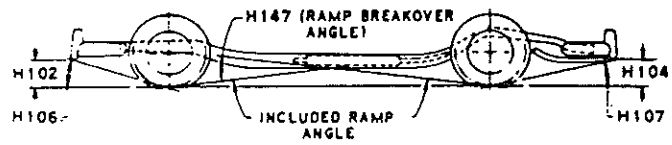
EXTERIOR CAR AND BODY DIMENSIONS



WIDTH

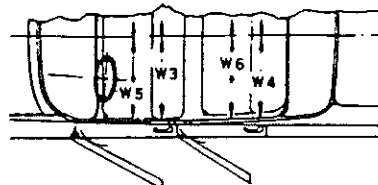


LENGTH & HEIGHT

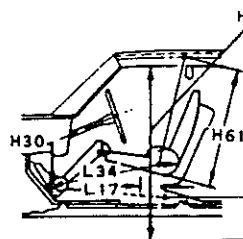


GROUND CLEARANCE

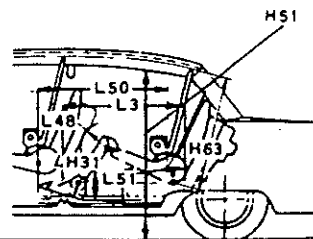
INTERIOR CAR AND BODY DIMENSIONS



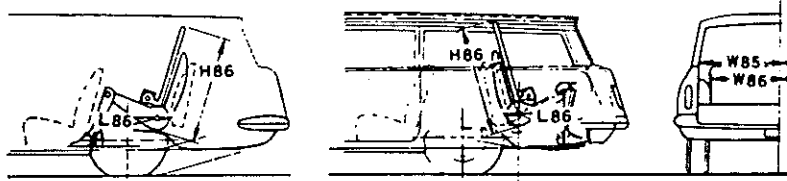
WIDTH



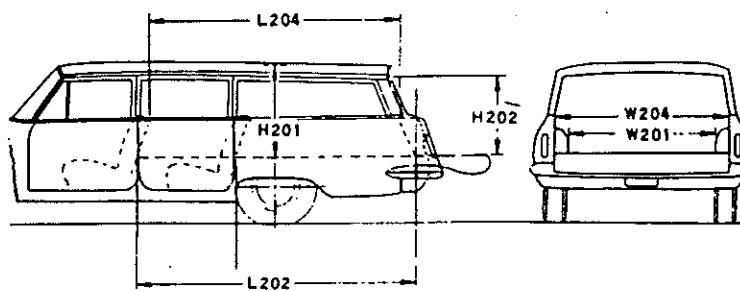
FRONT COMPT.



REAR COMPT.



THIRD SEAT



CARGO SPACE

CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT ± 2 PILLAR. Measured across body at ± 2 pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L 30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

GROUND CLEARANCE DIMENSIONS

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H 30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- W 3 SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W 5 HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H 50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L 51 MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H 51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON - THIRD SEAT DIMENSIONS

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H 86 EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON - CARGO SPACE DIMENSIONS

- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouseings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V 2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201
1728

