

THE AUTOMOBILE COMPETITION COMMITTEE  
FOR THE UNITED STATES, FIA INC.  
515 MADISON AVENUE  
NEW YORK 22, N. Y.

TEL: Eldorado 5-0900

CABLE: ACCUSFIA NEW YORK

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of Recognition in accordance with Appendix J to the International Sporting Code.

Manufacturers Reference No. for

Application TP - 426

F.I.A. Recognition No. 143

Manufacturer Chrysler Plymouth Division, Chrysler Corporation

Model Plymouth TP2 Year of Manufacture 1963

Vehicle

Serial No. of XXXXXXXX starts with 313; 323; 333; 343; 353; 363; 373

426 TMPHC - (13.5 to 1 compression ratio)

Engine starts with 426 TMP - (11 to 1 compression ratio)



Type of Bodywork 2-Door Sedan

Recognition is valid from ~~1-15-63~~

In Category Touring

or Grand Touring / X

15/10/63  
last 9/23

(Photograph to be affixed here 3/4 view of car from front left.)



Stamp of F.I.A. to be affixed here



Stamp of ACCUSFIA, INC. to be affixed here.

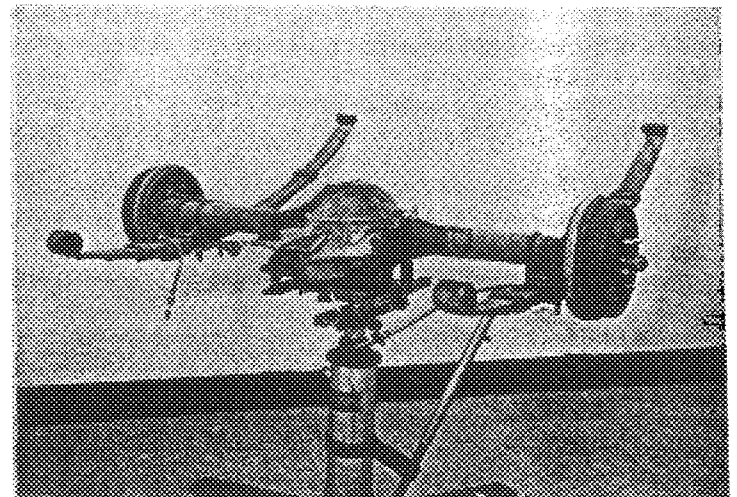
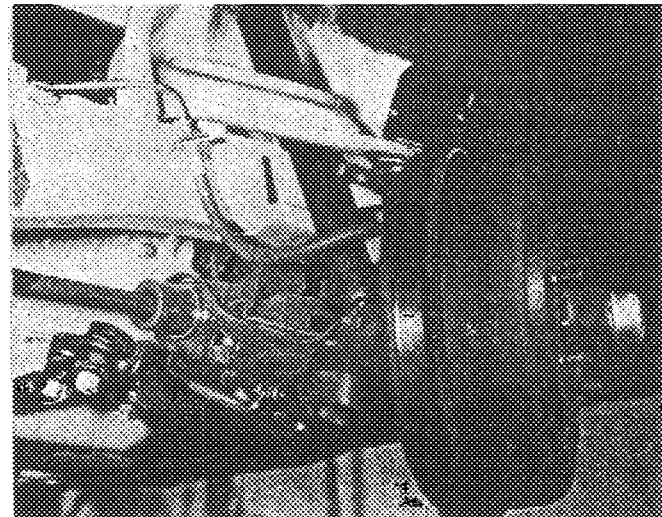
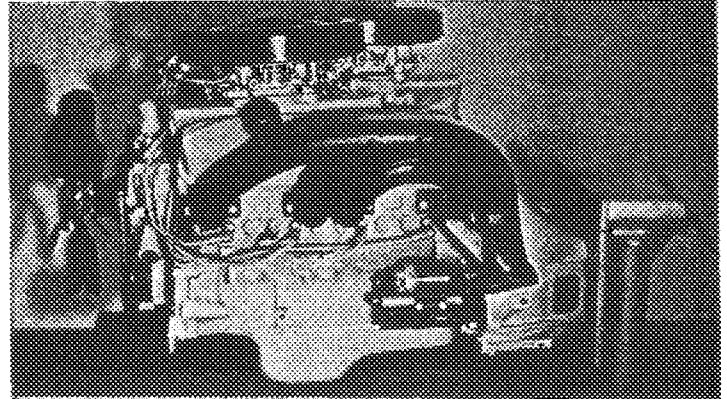
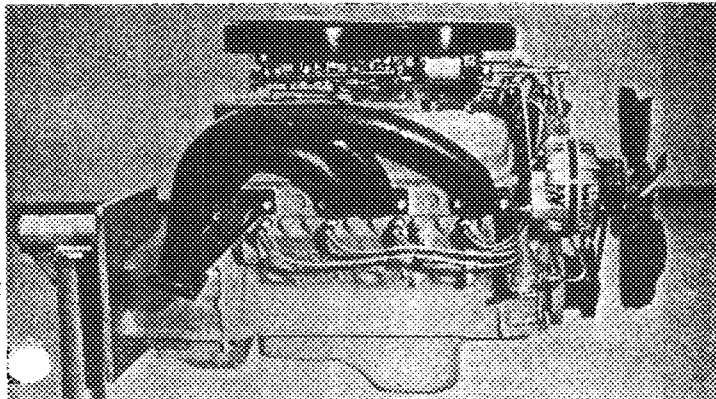
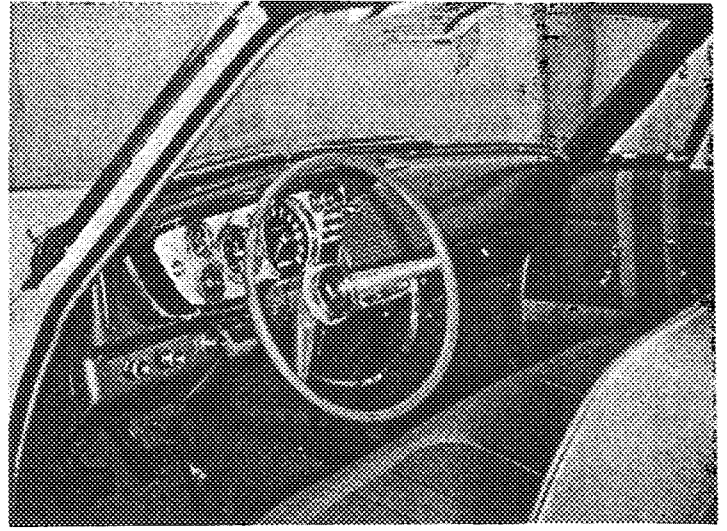
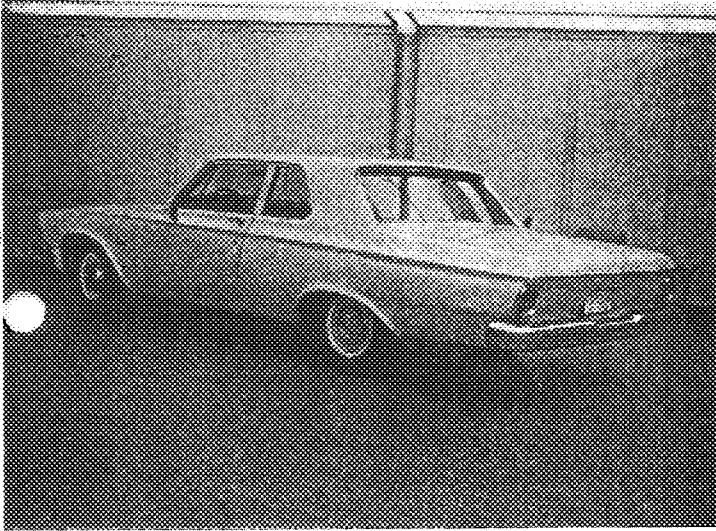
Signed

George C. Starnel  
Sec'y

JAN. 8, 1963

General description of car: (specifying materials of Bodywork)

TP2 series is offered in four price range models, Savoy, Belvedere, Fury and Sport Fury which differ in degree of exterior ornamentation and style and design of interior trim. Two- and Four-door Sedans, Hardtops, Convertible and Station Wagon body styles are available. All body structural and outer skin components are of cold rolled sheet steel. The grille is of aluminum. Unless steel and die castings are utilized for mouldings, bezels and other embellishments. Convertible top is vinyl-coated fabric with a clear plastic rear window. Laminated safety and tempered sheet glass is used for windshield, side and rear windows.



ENGINE

No. of cylinders 8 in line \_\_\_\_\_  
in V X \_\_\_\_\_  
opposed \_\_\_\_\_

Cycle 4 cycle Firing order 1-8-4-3-6-5-7-2

Capacity 6975 c.c. Bore 107.95 m.m. Stroke 95.25 m.m.

Maximum rebore 1.02 M.M. Resultant capacity 7106 c.c.

Material of cylinder block Cast Iron Material of sleeves, if fitted None

Distance from crankshaft center line to top face of block at center line of cylinders 272.3/272.5 m.m.

Material of cylinder head Cast Iron Volume of one combustion chamber 81 - 86 c.c.

Compression ratio 13.5 to 1

Material of piston Aluminum No. of piston rings 3

Distance from wrist pin center line to highest point of piston crown 60.173/60.553 m.m.

Bearings ( Crankshaft main bearings: Type Removable copper lead on steel Dia. 69.85 m.m.  
( Connecting rod big end: Type Same as above Dia. 60.325 m.m.)

Weights ( Flywheel 12.7 - 13.6 kg. (8.6 to 9.5 KG, Optional)  
( Crankshaft 31.75 kg.  
( Connecting rod .845 kg.  
( Piston with rings .856 kg.  
( Wrist pin .2267 kg.)

No. of valves per cylinder Two Method of valve operation Camshaft Mech. Tappet

No. of camshafts One Location of camshafts Center above crankshaft

Type of camshaft drive Chain and sprocket

Diameter of valves: Inlet 52.83 m.m. Exhaust 47.75 m.m.

Diameter of port at valve seat: Inlet 49.96 m.m. Exhaust 45.22 m.m.

Tappet clearance for checking timing: Inlet .762 (cold) m.m. Exhaust .726 (cold) m.m.

Valves open: Inlet 33° BTC Exhaust 78° BBC

Valves close: Inlet 87° ABC Exhaust 42° ATC

Maximum valve lift: Inlet 12.93 m.m. Exhaust 12.93 m.m.

\* Degrees of crankshaft rotation from zero to - (See Page 8)

Maximum lift: Inlet 242° Exhaust 242°

3/4 Maximum lift: Inlet 178° Exhaust 178°

Lift determined with zero tappet clearance

Valve springs: Inlet \_\_\_\_\_ Exhaust \_\_\_\_\_

Type Coil \_\_\_\_\_ Coil \_\_\_\_\_

No. per valve 2 with damper \_\_\_\_\_ 2 with damper \_\_\_\_\_

Carburetor: Type down draft No. fitted two  
(up or down draft, horizontal)

Make Carter Model AFB - 3447S

Flange hole diameter Primary 36.51 m.m. Choke diameter Primary 30.16 m.m.

Main jet identification No. Primary 120 - 163 Choke Dia. Secondary 39.69 m.m.

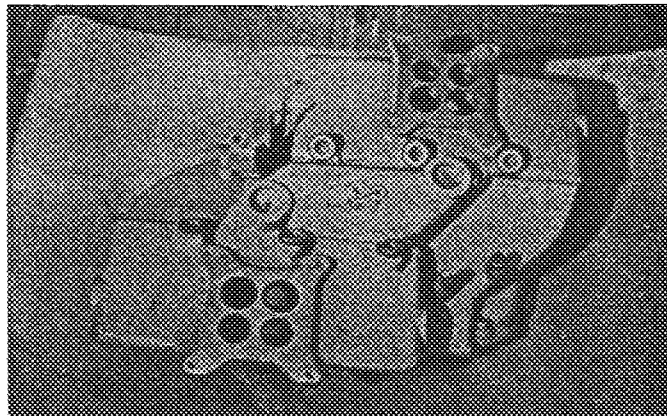
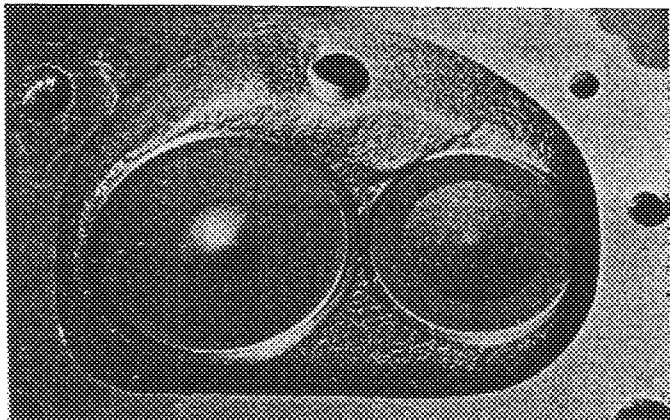
Main jet identification No. Secondary 120-158 Flange Hole Dia. Secondary 42.86 m.m.

Air filter: Type Paper Element No. fitted Two

Inlet manifold:

Diameter of flange hole at carburetor 36.58 Primary/42.93 Secondary m.m.

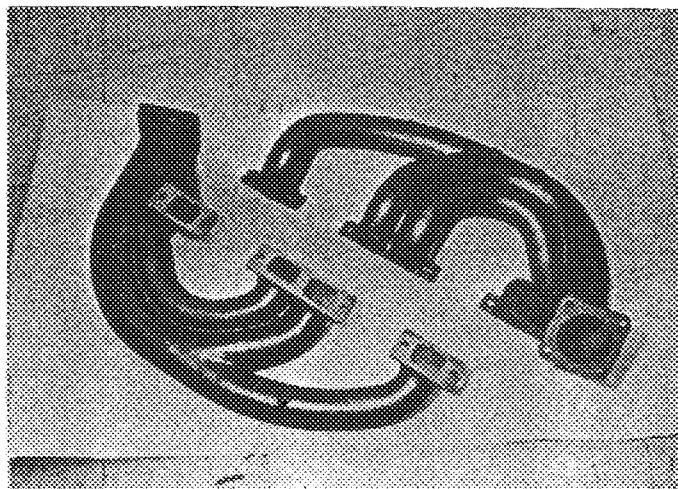
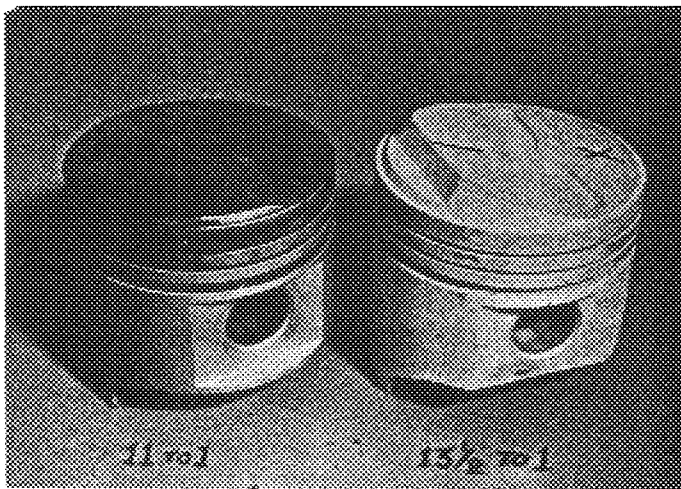
Diameter of flange hole at port 31.50 x 63.50 m.m.



Exhaust manifold:

Diameter of flange hole at port 35.06 x 45.72 m.m.

Diameter of flange hole at connection to muffler inlet pipe 72.14 m.m.



#### ENGINE ACCESSORIES

Make of fuel pump Carter or AC No. fitted One

Method of operation Mechanical

Type of ignition system Coil coil or magneto

Make of ignition Autolite Model 2098725

Method of advance and retard Centrifugal only

Make of ignition coil Autolite or Essex Model 200567 or 62-160-2

No. of ignition coils one Voltage 12 volt

Make of ~~generator~~ alternator Chrysler Model 2098300

Voltage of ~~generator~~ alternator 13.7-14.3 @ 70° F Maximum output 35 amps.

Make of starter motor Chrysler Model 2095150

Battery: No. fitted One Voltage 12V Capacity 59 amp. hour

TRANSMISSION

Make of clutch Borg & Beck Dry Plate  
 Diameter of clutch plate 266.7 x 165.1 mm Type Semi-centrifugal  
 Method of operating clutch Mechanical - foot operated No. of plates one  
 Make of gearbox Borg-Warner Type 4-Speed Manual  
 No. of gearbox ratios Four forward - One reverse  
 Method of operating gearshift Hand operated mechanical linkage  
 Location of gearshift Floor mounted, right side of driver  
 Is overdrive fitted? No  
 Method of controlling overdrive, if fitted -----

Speed	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1st.	2.20	<u>27-28</u>	2.54	<u>25-30</u>				
		<u>17-36</u>		<u>17-36</u>				
2nd.	1.66	<u>27-28</u>	1.92	<u>25-30</u>				
		<u>19-30</u>		<u>19-30</u>				
3rd.	1.31	<u>27-28</u>	1.51	<u>25-30</u>				
		<u>23-29</u>		<u>23-29</u>				
4th.	1.00	--	1.00	--				
5th.	--	--	--	--				
Reverse	2.26	<u>27-28-17</u>	2.61	<u>25-30-17</u>				
		<u>18-19-39</u>		<u>18-19-39</u>				

Type of final drive Hotchkiss  
 Type of differential Ring & Pinion Gear Type "Sure Grip"  
 Final drive ratio 3.91 to 1 Alternatives See Page 8  
 No. of teeth 11 - 43  
 Overdrive ratio, if fitted None

WHEELS

Type Steel Disc 14 x 5 wheel - 6.84 -7.26  
14 x 5.5 wheel - 7.48 -7.81  
 Weight 15 x 5.5 wheel - 8.61 -8.94 kg.

Method of attachment Stud & Nut  
 Rim diameter 355.6 m.m. Rim width 139.7 m.m.  
 Tire size: Front 7.50 x 14 Rear 7.50 x 14

BRAKES

Method of operation Hydraulic  
 Is servo assistance fitted? Yes, as optional equipment  
 Type of servo, if fitted Integral  
 No. of hydraulic master cylinders One Bore 25.4 m.m.

	Front	Rear
No. of wheel cylinders	One	One
Bore of wheel cylinders	<u>28.66</u> m.m.	<u>23.9</u> m.m.
Inside diameter of brake drums	<u>279.4</u> m.m.	<u>279.4</u> m.m.
No. of shoes per brake	Two	Two
Outside diameter of brake discs	<u>--</u> m.m.	<u>--</u> m.m.
No. of pads per brake	<u>--</u>	<u>--</u>

Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)

	Front	Rear
Length	Front Shoe <u>236.5</u> m.m. Rear Shoe <u>305</u> m.m.	<u>236.5</u> m.m. <u>305.0</u> m.m.
Width	<u>76.2</u> m.m.	<u>63.5</u> m.m.
Total area per brake	<u>41,300</u> m.m. <sup>2</sup>	<u>34,331</u> m.m. <sup>2</sup>

## SUSPENSION

	Front	Rear
Type	<u>Independent</u>	<u>Parallel</u>
Type of spring	<u>Torsion Bar</u>	<u>Longitudinal Leaf</u>
Is stabiliser fitted?	<u>Yes (optional)</u>	<u>Leaf</u>
Type of shock absorber	<u>Hydraulic</u>	<u>No</u>
No. of shock absorbers	<u>Two</u>	<u>Hydraulic</u>
		<u>Two</u>

## STEERING

Type of steering gear	<u>Manual</u>
Turning circle of car	<u>12.71</u> m., approx.
No. of turns of steering wheel from lock to lock	<u>5.3</u>

## CAPACITIES AND DIMENSIONS

Fuel tank <u>75.7</u> litres	Sump <u>5.68 with filter</u> litres
Radiator <u>16.1 with heater</u> litres	
Overall length of car <u>528.6</u> cm.	Overall width of car <u>194.3</u> cm.
Overall height of car, unladen (with top up, if appropriate)	<u>142</u> cm.
Distance from floor to top of windshield:	
Highest point <u>104.5 ± 2</u> cm.	Lowest point <u>104. ± 2</u> cm.
Width of windshield:	
Maximum width <u>144</u> cm.	Minimum width <u>130</u> cm.
*Interior width of car <u>145.7</u> cm.	
No. of seats <u>Four</u>	
Track: Front <u>152.4</u> cm.	Rear <u>147.3</u> cm.
Wheelbase <u>302.3</u> cm.	Ground clearance <u>140 ± 10</u> m.m.
Overall weight with water, oil and spare wheel, but without fuel <u>1533</u> kgs.	
<u>1473 KG with 318 in<sup>3</sup> engine</u>	

\*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Additional information for cars fitted with two-cycle engines only:

System of cylinder scavenging \_\_\_\_\_  
 Type of lubrication \_\_\_\_\_

Size of inlet port:  
 Length measured around cylinder wall \_\_\_\_\_ m.m.  
 Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of exhaust port:  
 Length measured around cylinder wall \_\_\_\_\_ m.m.  
 Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of transfer port:  
 Length measured around cylinder wall \_\_\_\_\_ m.m.  
 Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of piston port:  
 Length measured around piston \_\_\_\_\_ m.m.  
 Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Method of pre-compression \_\_\_\_\_  
 Bore and stroke of pre-compression cylinder, if fitted \_\_\_\_\_ m.m.

Distance from top of cylinder block to lowest point of inlet port \_\_\_\_\_ m.m.  
 Distance from top of cylinder block to highest point of exhaust port \_\_\_\_\_ m.m.  
 Distance from top of cylinder block to highest point of transfer port \_\_\_\_\_ m.m.

Drawing of cylinder ports.

Supercharger, if fitted  
 Make \_\_\_\_\_ Model or Type No. \_\_\_\_\_  
 Type of drive \_\_\_\_\_ Ratio of drive \_\_\_\_\_

Fuel injection, if fitted  
 Make of pump \_\_\_\_\_ Model or Type No. \_\_\_\_\_  
 Make of injectors \_\_\_\_\_ Model or Type No. \_\_\_\_\_

Location of injectors \_\_\_\_\_

\* From Page 3

Degress crankshaft rotation from .015" tappet lift to:

	<u>Intake</u>	<u>Exhaust</u>
Maximum lift	164°	164°
3/4 Maximum lift	104°	104°

OPTIONAL EQUIPMENT AFFECTING PRECEDING INFORMATION

1. Power Plant Options

<u>Displacement</u>	<u>Bore</u>	<u>Stroke</u>	<u>Compression Ratio</u>	<u>No. Carburetors</u>
3975 c.c. (426 in <sup>3</sup> )	107.95 MM	95.25 MM	13.5 to 1	Two 4-bbl
6975 c.c. (426 in <sup>3</sup> )	107.95 MM	95.25 MM	11.0 to 1	Two 4-bbl
6975 c.c. (426 in <sup>3</sup> )	107.95 MM	95.25 MM	11.0 to 1	One 4-bbl

2. Transmission Options

A. Manual Transmissions

A New Process (Chrysler built) three-speed manual transmission comes as standard equipment with the 318, 361 and 383 cubic inch engines. Gear ratios of this transmission are as follows:

	<u>Standard Ratio</u>	<u>Optional Ratio</u>
1st Gear	2.55 to 1	3.02 to 1
2nd Gear	1.49 to 1	1.76 to 1
3rd Gear	Direct	Direct
Reverse	3.34 to 1	2.66 to 1

A Borg-Warner T-85 three-speed manual transmission is available with the 426 in<sup>3</sup> engine. The gear shift lever is located on the floor, right side of the driver. Gear ratios are as follows:

	<u>Ratio</u>
1st Gear	2.10 to 1
2nd Gear	1.45 to 1
3rd Gear	1.00 to 1
Reverse	2.66 to 1

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 CHRYSLER CREDIT CORPORATION  
 100 WALL STREET  
 NEW YORK 10, N. Y.

*George E. Stavel*

AUG 30 1963



A Borg-Warner Four-Speed manual transmission is offered as optional equipment. The gear ratios are as follows:

	<u>1st Option</u>	<u>2nd Option</u>
1st gear	2.54 to 1	2.20 to 1
2nd gear	1.92 to 1	1.66 to 1
3rd gear	1.51 to 1	1.31 to 1
4th gear	1.00 to 1	1.00 to 1
Reverse	2.61 to 1	2.26 to 1

C. Automatic Transmissions

A three-speed automatic transmission is an available option. The gear ratios and torque converter stall ratio are as follows:

	<u>Ratio</u>
1st gear	2.45 to 1
2nd gear	1.45 to 1
3rd gear	Direct
Reverse	2.20 to 1
T/C stall torque ratio	2.20 to 1

3. Axle Ratios

All the following ratios can be used with either the conventional or "Sure-Grip" type differentials.

<u>Ratio</u>	<u>No. Teeth</u>	<u>Ratio</u>	<u>No. Teeth</u>	<u>Ratio</u>	<u>No. Teeth</u>
2.78	17 - 47	3.58	12 - 43	4.89	9 - 44
2.93	14 - 41	3.73	11 - 41	5.12	8 - 41
3.15	13 - 41	3.91	11 - 43	5.38	8 - 43
3.23	13 - 42	4.10	10 - 41	5.57	7 - 39
3.31	13 - 43	4.30	10 - 43	5.83	6 - 35
3.42	12 - 41	4.55	9 - 41	6.17	6 - 37
3.55	11 - 39				

4. Tires and Wheels

7.00 x 14 tires with 14" x 5" wheels are standard equipment  
 7.50 x 14 tires with 14" x 5.5" wheels are optional  
 8.70 x 15 tires with 15" x 5.5" wheels are optional

5. Heavy Duty Suspension Package which includes:

- Front anti-sway bar
- Front shock absorbers
- Front torsion bars
- Rear shock absorbers
- Rear springs

REVISED

*George E. Daniel*

AUG 30 1963

6. Light Weight Front Sheet Metal

The following aluminum front sheet metal parts are available as a High Performance Option only on TP-2 Plymouths with the 426 in<sup>3</sup> engine:

Front Bumper  
Front Fenders  
Hood with Aluminum Scoop

7. Steering

Power steering available on all Plymouths except when equipped with the 426 in<sup>3</sup> engine.

8. Brakes

Power brakes available on all Plymouths.

9. Trailer Towing Package

Items in this Package include:

High capacity cooling fan - 18" dia., 7-blade, 2-1/4" pitch  
16 PSI Radiator Pressure Cap ( 14 PSI std.)  
7.50 x 14 tires with 14" x 5.5" wheels  
High capacity radiator  
Fan shroud  
Heavy Duty front and rear springs and shock absorbers  
11" x 3" front Brakes; 11" x 2-1/2" rear brakes

NOTE: a load equalizing type hitch should be used for heavy duty trailer towing. These hitches should be attached to the car so that the trailer loads are directed into the primary underbody structure, (rear longitudinals). A structural member, such as angle iron should be fabricated and attached to the body rear longitudinals to distribute the trailer loading into the primary underbody structure.

10. Alternator

40 ampere alternator

11. Battery

70 ampere-hour battery with heat shield

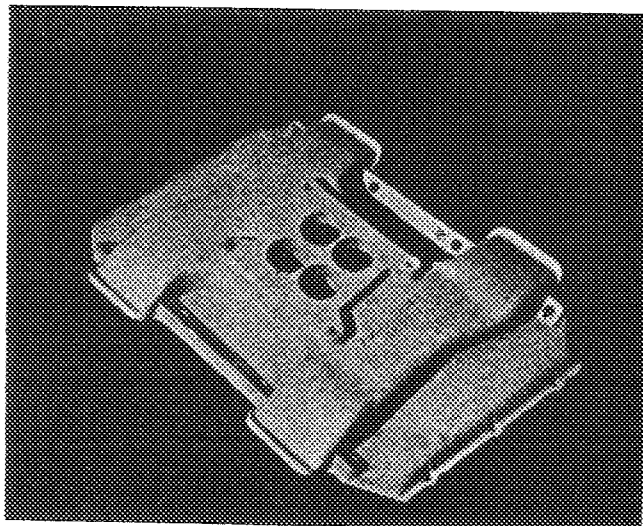
12. Heater and defroster

13. Rear window defogger

14. Variable speed windshield wipers

15. Windshield washers

Photograph of Optional Single 4-BBL  
Aluminum Intake Manifold for 426 in<sup>3</sup> Engine  
Part Number 2406185

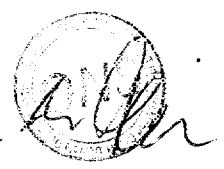


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F I A INTERNATIONAL

STANDARD CERTIFICATE OF MINIMUM PRODUCTION



Name of Manufacturer Chrysler-Plymouth Division, Chrysler Corporation

Name of Model Plymouth TP2

Manufacturer's Reference No. of Application TP-426

We certify that in excess of 100 cars identical with the basic specification stated in this application were completed on (date) Dec. 21, 1962. Production commenced on August 15, 1962.

Cars conforming to this specification may be identified by Vehicle Nos. 313; 323; 333; 343; 353 and Engine Nos. 426 TMPHC.

Name of Company Chrysler Corporation  
or Division

By [Signature]

Title Director Special Cars

By [Signature]

Title Director Plymouth Product Planning and Chief Engineer

**UTOMOBILE COMPETITION COMMITTEE  
FOR THE UNITED STATES FIA, INC.**  
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NEW YORK 22, N. Y.

George E. Pland, Secy.  
JAN 8, 1963