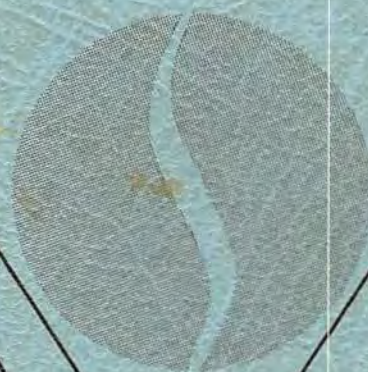


# CHASSIS PARTS CATALOG



**CHAMPION  
SIX**

**1951 1952 1953**

**SERIES**

**JULY 1, 1953**

**COMMANDER  
EIGHT**

**1951 1952 1953**

**SERIES**

**THE STUDEBAKER CORPORATION**

South Bend 27, Indiana





**CHAMPION**  
 and  
**COMMANDER**  
  
**CHASSIS**  
**PARTS CATALOG**

1951-1952-1953 SERIES

JULY, 1953

Studebaker - 2268

INDEXES	GROUP NO.	PAGE
MAJOR GROUPS and ILLUSTRATIONS		VIII
ALPHABETICAL		XI
ENGINE	<b>01</b>	1
CLUTCH, PEDAL and TORQUE CONVERTER	<b>02</b>	27
FUEL SYSTEM	<b>03</b>	35
EXHAUST	<b>04</b>	71
COOLING	<b>05</b>	77
ELECTRICAL	<b>06</b>	91
TRANSMISSION (Std. and O. D.)	<b>07</b>	138
TRANSMISSION (Automatic)	<b>08</b>	159
PROPELLER SHAFT	<b>09</b>	177
REAR AXLE	<b>10</b>	181
BRAKES	<b>11</b>	187
FRONT AXLE	<b>12</b>	211
STEERING	<b>13</b>	221
WHEELS	<b>14</b>	243
FRAME and SPRINGS	<b>15</b>	247
FENDERS, HOODS, MISC. SHEET METAL	<b>16</b>	255
SPEEDOMETER and INSTRUMENTS	<b>17</b>	269
SHOCK ABSORBERS, BUMPERs and TOOLS	<b>18</b>	281
NUMERICAL INDEX		295
STANDARD PARTS		307



# INTRODUCTION

THIS CHASSIS PARTS CATALOG COVERS REPLACEMENT PARTS FOR ALL SIX CYLINDER CHAMPION AND EIGHT CYLINDER COMMANDER PASSENGER CARS 1951 TO 1953, MODELS 10G, 12G, 14G, H, 3H AND 4H. MODEL SYMBOL IDENTIFICATION CAN BE ASCERTAINED BY CHECKING CAR SERIAL AND ENGINE NUMBERS CHART PROVIDED ON PAGE VI.

COMPLETE INFORMATION AS TO THE USE OF EACH PART INCLUDING DATA AS TO INTERCHANGEABILITY WITH REFERENCE TO THE CARS COVERED BY THIS CATALOG IS SHOWN IN THIS PUBLICATION.

## ARRANGEMENT

FOR QUICK AND EASY REFERENCE THE PARTS ENUMERATED HEREIN HAVE BEEN DIVIDED INTO MAJOR GROUPS SUCH AS "ENGINE, CLUTCH, TRANSMISSION" ETC., EACH OF WHICH IS DESIGNATED BY AN INDEX NUMBER AS INDICATED ON THE TITLE PAGE.

EACH MAJOR GROUP IS FURTHER DIVIDED INTO SUB-GROUPS SUCH AS "ENGINE MOUNTINGS", "CYLINDER BLOCK, HEAD AND GASKETS" ETC. WHICH ARE ALSO NUMBERED. (SEE PAGES VIII TO X FOR COMPLETE INDEX.) THESE NUMBERS HAVE A DUAL PURPOSE WHICH IS DESCRIBED IN DETAIL IN PARAGRAPHS "ILLUSTRATIONS" AND "INDEXES."

## DEFINITION OF LOCATIONAL TERMS

ALL PARTS PERTAINING TO A GIVEN VEHICLE, HAVING THE SAME FUNCTION, BUT WHICH ARE NOT INTERCHANGEABLE ON THAT VEHICLE, ARE DESIGNATED BY RIGHT, LEFT, UPPER, LOWER, FRONT OR REAR IN REGARD TO THE LOCATION IN OR ON THE VEHICLE WHEN IT IS VIEWED FROM THE REAR FACING FORWARD; IN OTHER WORDS AS THE PART IS VIEWED WHEN ONE IS SEATED FACING FORWARD IN THE VEHICLE.

PARTS USED ONLY ON RIGHT HAND DRIVE OR LEFT HAND DRIVE CARS ARE INDICATED BY "RHC" OR "LHC", ALL OTHER PARTS NOT SO MARKED ARE USED ON BOTH RIGHT OR LEFT HAND DRIVE VEHICLES.

## COMPONENTS OF KITS, SETS and ASSEMBLIES

COMPONENTS OF KITS, SETS AND ASSEMBLIES ARE LISTED IN DETAIL AND WHEN SUCH COMPONENTS ARE ALSO AVAILABLE SEPARATELY A NOTE IS ADDED INDICATING THE SET OR KIT OF WHICH THE PARTICULAR ITEM IS A COMPONENT.

## ATTACHING PARTS (Illustrated in Back of Book)

ATTACHING PARTS SUCH AS BOLTS, NUTS, RIVETS, SCREWS, WASHERS, ETC., ARE INDENTED IMMEDIATELY FOLLOWING THE PART OR PARTS WITH WHICH THEY ARE USED. WHENEVER TWO SIMILAR PARTS HAVING THE SAME ATTACHING PARTS, SUCH AS RIGHT AND LEFT BRACKETS ARE LISTED, THEY ARE PLACED IMMEDIATELY FOLLOWING ONE ANOTHER AND THE ATTACHING PARTS FOR BOTH ARE COVERED BY A SINGLE LISTING IMMEDIATELY THEREAFTER. THE QUANTITIES SHOWN ARE THE ATTACHING PARTS NECESSARY FOR BOTH.

## ILLUSTRATIONS

ILLUSTRATIONS IN THIS PARTS CATALOG ARE SHOWN AT THE BEGINNING OF EACH MAJOR GROUP. STANDARD PARTS ARE ILLUSTRATED IN BACK OF BOOK.

ASSEMBLY VIEWS, EXPLODED VIEWS AND CROSS SECTIONAL DRAWINGS ARE USED THROUGHOUT THIS PUBLICATION TO AID IN LOCATING AND IDENTIFYING PARTS.

THESE ILLUSTRATIONS SHOW THE TYPICAL CONSTRUCTION OF THE VARIOUS ASSEMBLIES AND COMPONENT PARTS, AND MAY NOT IN ALL CASES SHOW THE EXACT DETAIL OF EACH OF THE PARTS OF THE SAME GENERAL CHARACTER.

THE ILLUSTRATION PLATES REFERRED TO AFTER THE SUB-GROUP HEADING CONTAIN ALL ILLUSTRATIONS COVERING THAT SUB-GROUP WITH A VERY FEW EXCEPTIONS. IN SUCH CASES WHERE AN ITEM IS NOT ILLUSTRATED ON THE MAIN PLATE A DEFINITE REFERENCE IS MADE TO THE PLATE ON WHICH THE PARTICULAR PART IS ILLUSTRATED.

EACH ILLUSTRATION IS GIVEN A SPECIFIC ILLUSTRATION NUMBER IN ORDER TO FACILITATE ITS QUICK LOCATION ON THE PLATE OR TEXT PAGE AND ENABLES A QUICK DETERMINATION OF PART NUMBER.

EACH ILLUSTRATION NUMBER IS A COMBINATION GROUP NUMBER, SUB-GROUP NUMBER AND SPECIFIC ITEM NUMBER.

FOR EXAMPLE, ILLUSTRATION No. 0102-1 ON PLATE 01-5 INDICATES THAT THE PART IS LISTED IN GROUP 01-SUB-GROUP 0102- AND IS THE CYLINDER BLOCK INDICATED BY ILL. No. 0102-1.

THE PLATE NUMBER IS ALSO A COMBINATION NUMBER INDICATING THE GROUP NUMBER AND THE SPECIFIC PLATE.

## INDEXES

THE INDEX OF MAJOR GROUPS IS ON PAGES VIII TO X.

THE ILLUSTRATION PLATE INDEX IS ON PAGES VIII TO X.

THE ALPHABETICAL INDEX OF ALL PARTS WITH THE EXCEPTION OF INDENTED ITEMS IS ON PAGES XI TO XXI.

THE NUMERICAL INDEX OF ALL PARTS IS LOCATED IN THE BACK OF THIS BOOK.



## HOW TO IDENTIFY PARTS LISTED IN THIS CATALOG

THERE ARE SEVERAL WAYS TO IDENTIFY ANY PARTS QUICKLY USING THE VARIOUS INDEXES.

THE FOLLOWING INSTRUCTIONS AND EXAMPLES ARE GIVEN AS A GUIDE.

1. IF ONLY THE DESCRIPTION OF THE PART IS KNOWN:
  - A. TURN TO ALPHABETICAL INDEX AND LOCATE ITEM BY THE NOUN NAME.
  - B. TURN TO THE GROUP AND SUB-GROUP SHOWN OPPOSITE THE NOUN NAME.
  - C. RETURN TO THE PROPER SUB-GROUP UNDER WHICH THE PART IS LISTED AND DETERMINE THE PART NUMBER FOR THE PARTICULAR MODEL.
2. IF ONLY THE FUNCTION OF THE PART IN THE VEHICLE IS KNOWN:
  - A. TURN TO INDEX OF MAJOR GROUP CHASSIS ILLUSTRATION AND INDEX (PAGES VIII TO X) AND DETERMINE THE NUMBER OF THE GROUP IN WHICH THE PART IS MOST LIKELY TO BE LISTED. (EXAMPLE - A CYLINDER HEAD WOULD BE IN THE ENGINE GROUP 01.)
  - B. REVIEW THE ILLUSTRATIONS WHICH APPLY TO THE MAJOR GROUP OR ALLIED GROUPS. WHEN THE PROPER ILLUSTRATION IS FOUND, USING THE ILLUSTRATION NUMBER, TURN TO THE PROPER GROUP AND DETERMINE THE PART NUMBER.
3. IF ONLY THE PART NUMBER IS KNOWN AND IT IS DESIRED TO ASCERTAIN A COMPLETE DESCRIPTION OF THE PART:
  - A. REFER TO THE NUMERICAL INDEX AND ESTABLISH THE GROUP IN WHICH THE PART IS LISTED.
  - B. TURN TO THE GROUP SHOWN OPPOSITE THE PART NUMBER AND LOCATE THE PART NUMBER AND A COMPLETE DESCRIPTION IS AVAILABLE.

# INSTRUCTIONS

## USE STUDEBAKER "PARTS ORDER AND INVOICE" FORM

WHEN ORDERING PARTS BY MAIL, USE ONLY REGULAR STUDEBAKER PARTS ORDER FORMS WHICH ARE AVAILABLE GRATIS. UNDER NO CIRCUMSTANCES SHOULD PARTS ORDER BE INCLUDED IN LETTER COVERING OTHER SUBJECTS.

## SHIPPING INSTRUCTIONS

ALWAYS SPECIFY WHETHER PARTS ARE TO BE FORWARDED BY PARCEL POST, EXPRESS, TRUCK OR RAIL FREIGHT, ETC.

## REMITTANCES

UNLESS DEALER HAS ESTABLISHED CREDIT WITH STUDEBAKER OR ORDER IS ACCOMPANIED BY APPROPRIATE FUNDS SHIPMENT WILL BE MADE ON A C.O.D. BASIS.

## CLAIMS

SHORTAGE AND TRANSPORTATION CLAIMS: ALL SHIPMENTS LEAVING THE FACTORY OR BRANCH PARTS WAREHOUSES ARE PERFECTLY PACKED AND IN GOOD ORDER. WHEN A DAMAGED SHIPMENT IS RECEIVED, CLAIM SHOULD BE FILED IMMEDIATELY AGAINST THE CARRIER. ALL CLAIMS FOR SHORTAGE OR ERRORS IN PACKING MUST BE FILED AGAINST STUDEBAKER IMMEDIATELY UPON RECEIPT OF SHIPMENT. IN ALL CASES PACKING TICKET MUST ACCOMPANY CLAIMS.

CUSTOMER CLAIMS: TO AVOID DELAY, MISUNDERSTANDINGS AND CHANCES OF ERROR IN HANDLING CUSTOMER'S CLAIMS FOR PARTS ALLEGED TO BE DEFECTIVE, THE INSTRUCTIONS ON DEALER'S CLAIM FOR WARRANTY CREDIT MUST BE FOLLOWED.

## SHEET METAL PARTS

FENDERS, HOODS, PANELS AND OTHER MAJOR SHEET METAL PARTS WILL BE FURNISHED IN PRIME.

## FINISH SYMBOLS

LETTER SYMBOLS AFFIXED TO PART NUMBERS MUST BE SPECIFIED ON ORDERS AS THEY DENOTE FINISH AS FOLLOWS:

A-NICKEL PLATE	★ T-TRIM AS PER SPECIFICATION
C-BLACK ENAMEL OR JAPAN	U-UDYLITE OR CADMIUM PLATE
G-ELECTRO GALVANIZE	W-CHROME PLATE
★ P-PAINT - SPECIFY PRIME OR COLOR	Y-UDYLITE OR CADMIUM PLATE
R-PARKERIZE OR OXIDIZE	Z-UDYLITE OR CADMIUM PLATE

★ WHEN ORDERING PARTS HAVING PART NUMBERS WITH THE SUFFIX P OR T IT IS ABSOLUTELY NECESSARY THAT THE CAR SERIAL, BODY SYMBOL AND BODY NUMBER BE FURNISHED.



# LOCATION OF CAR SERIAL, ENGINE and BODY NUMBERS

## CAR SERIAL NUMBER PLATE

1951-52 SERIES, LEFT FRONT DOOR LOCK PILLAR POST --- 1953 SERIES, LEFT FRONT DOOR HINGE PILLAR.

## ENGINE NUMBER

CHAMPION - STAMPED ON BOSS AT THE TOP, LEFT SIDE, FRONT CORNER OF CYL. BLOCK.

COMMANDER 1951-52 - STAMPED ON BOSS AT THE TOP SIDE, REAR END OF CYL. BLOCK, NEXT TO DISTRIBUTOR.

COMMANDER 1953 - STAMPED ON BOSS AT THE TOP SIDE, FRONT END OF CYL. BLOCK, NEXT TO FUEL PUMP SUPPORT.

## MODEL SYMBOL and BODY NUMBER PLATE

THIS PLATE WILL BE FOUND ON ENGINE SIDE OF DASH AND SHOWS CAR MODEL, BODY SYMBOL AND BODY NUMBER.

### EXPLANATION OF BODY SYMBOLS

EXAMPLE: BODY WITH PLATE NUMBERED 10G - W3 - 150 DESIGNATED CAR MODEL 10G WHICH, "MODEL IDENTIFICATION" REVEALS TO BE A 1951 CHAMPION.

THE SYMBOL W3 INDICATES THE BODY TYPE AS SHOWN IN "KEY TO BODY SYMBOL." THIS INDICATES W3 TO BE A 4 DOOR DELUXE SEDAN.

THE NUMERAL 150 MERELY MEANS THAT THIS PARTICULAR BODY REPRESENTS THE 150TH OF THAT TYPE MANUFACTURED.

## MODEL IDENTIFICATION

ARRANGED BY MODEL SYMBOL IN SERIES

MODEL	MODEL YEAR	STARTING WITH CAR SERIAL			STARTING WITH ENGINE No.	BORE	STROKE	HORSE POWER A.M.A. OR R.A.C. RATING
		SOUTH BEND	LOS ANGELES	CANADA				
10G CHAMPION	1951	G-1,000,001	G-889,101		778,001	3"	4"	21.6
10G CHAMPION	1951			G-724,501	C-25,501	3"	4"	21.6
12G CHAMPION	1952	G-1,115,501	G-907,301		911,501	3"	4"	21.6
12G CHAMPION	1952			G-735,701	C-36,722	3"	4"	21.6
14G CHAMPION	1953	G-1,197,501	G-917,701		1,004,001	3"	4"	21.6
14G CHAMPION	1953			G-745,101	C-46,501	3"	4"	21.6
H COMMANDER	1951	8,110,001	8,800,001		V-101	3 3/8"	3 1/4"	36.4
H COMMANDER	1951			8,952,001	VC-101	3 3/8"	3 1/4"	36.4
3H COMMANDER	1952	8,217,001	8,816,001		V-123,001	3 3/8"	3 1/4"	36.4
3H COMMANDER	1952			8,954,001	VC-2,036	3 3/8"	3 1/4"	36.4
4H COMMANDER	1953	8,290,001	8,826,801		V-207,001	3 3/8"	3 1/4"	36.4
4H COMMANDER	1953			8,955,401	VC-3,501	3 3/8"	3 1/4"	36.4

ARRANGED BY CAR SERIAL IN NUMERICAL ORDER

STARTING WITH CAR SERIAL			STARTING WITH ENGINE No.	MODEL	MODEL YEAR
SOUTH BEND	LOS ANGELES	CANADA			
G-1,000,001	G-889,101		778,001	10G CHAMPION	1951
		G-724,501	C-25,501	10G CHAMPION	1951
G-1,115,501	G-907,301		911,501	12G CHAMPION	1952
		G-735,701	C-36,722	12G CHAMPION	1952
G-1,197,501	G-917,701		1,004,001	14G CHAMPION	1953
		G-745,101	C-46,501	14G CHAMPION	1953
8,110,001	8,000,001		V-101	H COMMANDER	1951
		8,952,001	VC-101	H COMMANDER	1951
8,217,001	8,816,001		V-123,001	3H COMMANDER	1952
		8,954,001	VC-2,036	3H COMMANDER	1952
8,290,001	8,826,801		V-207,001	4H COMMANDER	1953
		8,955,401	VC-3,501	4H COMMANDER	1953

ARRANGED BY ENGINE NUMBERS IN NUMERICAL ORDER

STARTING WITH ENGINE No.	STARTING WITH CAR SERIAL			MODEL	MODEL YEAR
	SOUTH BEND	LOS ANGELES	CANADA		
778,001	G-1,000,001	G-889,101		10G CHAMPION	1951
911,501	G-1,115,501	G-907,301		12G CHAMPION	1952
1,004,001	G-1,197,501	G-917,701		14G CHAMPION	1953
C-25,501			G-724,501	10G CHAMPION	1951
C-36,722			G-735,701	12G CHAMPION	1952
C-46,501			G-745,101	14G CHAMPION	1953
V-101	8,110,001	8,800,001		H COMMANDER	1951
V-123,001	8,217,001	8,816,001		3H COMMANDER	1952
V-207,001	8,290,001	8,826,801		4H COMMANDER	1953
VC-101			8,952,001	H COMMANDER	1951
VC-2,036			8,954,001	3H COMMANDER	1952
VC-3,501			8,955,401	4H COMMANDER	1953



# KEY TO BODY SYMBOLS

Arranged Alphabetically

		SYMBOL	TYPE	REMARKS
C	COUPE (5-PASSENGER)	C 1	CUSTOM	CHAMPION
		C 3	DELUXE	CHAMPION
		C 3	REGAL	COMMANDER
		C 5	REGAL	CHAMPION
		C 5	STATE	COMMANDER
F	SEDAN (2-DOOR)	F 1	CUSTOM	CHAMPION
		F 3	DELUXE	CHAMPION
		F 3	REGAL	COMMANDER
		F 5	REGAL	CHAMPION
		F 5	STATE	COMMANDER
K	CONVERTIBLE (HARD-TOP)	K 2	REGAL	CHAMPION
		K 2	STATE	COMMANDER
Q	COUPE (3-PASSENGER)	Q 1	DELUXE	CHAMPION
		Q 2	REGAL	CHAMPION
		Q 4	CUSTOM	CHAMPION
S	CONVERTIBLE (FOLDING TOP)	S 2	REGAL	CHAMPION
		S 2	STATE	COMMANDER
W	SEDAN (4-DOOR)	W 1	CUSTOM	CHAMPION
		W 3	DELUXE	CHAMPION
		W 3	REGAL	COMMANDER
		W 5	REGAL	CHAMPION
		W 5	STATE	COMMANDER
Y	LAND CRUISER (4-DOOR)	Y 5	STATE	COMMANDER

## LIST OF ABBREVIATIONS USED IN THIS PUBLICATION

AD. . . . .	AUTOMATIC DRIVE	M/C. . . . .	MASTER CYLINDER
ADJ. . . . .	ADJUSTING	NSS. . . . .	NOT SOLD SEPARATELY
ALUM. . . . .	ALUMINUM	O.D. . . . .	OUTSIDE DIAMETER
ASSY. . . . .	ASSEMBLY	OD . . . . .	OVERDRIVE
AUX. . . . .	AUXILIARY	OS . . . . .	OVERSIZE
BRG. . . . .	BEARING	PASS. . . . .	PASSENGER
BRKT. . . . .	BRACKET	PROP. . . . .	PROPELLER
CANADA. . . . .	CANADIAN BUILT CARS	RR. . . . .	REAR
CARB. . . . .	CARBURETOR	R/A. . . . .	REAR AXLE
CT'SNK. . . . .	COUNTERSUNK	RET. . . . .	RETAINER
COP. ASB. . . . .	COPPER ASBESTOS	R. . . . .	RIGHT
CYL. . . . .	CYLINDER	R.H. . . . .	RIGHT HAND
DIA. . . . .	DIAMETER	RHC. . . . .	RIGHT HAND DRIVE
DIFF. . . . .	DIFFERENTIAL	SH'PRF. . . . .	SHAKEPROOF
DISTR. . . . .	DISTRIBUTOR	STL. & RBR. . . . .	STEEL & RUBBER
ENG. . . . .	ENGINE	SLTD. . . . .	SLOTTED
EQ. . . . .	EQUIPMENT	SPEC. . . . .	SPECIAL
EXH. . . . .	EXHAUST	SQ. . . . .	SQUARE
FW. . . . .	FREE WHEELING	STEER. . . . .	STEERING
FW-OD . . . . .	FREE WHEELING AND OVERDRIVE	ST . . . . .	STANDARD TRANSMISSION
HD. . . . .	HEAVY DUTY	STD. . . . .	STANDARD
HEX. . . . .	HEXAGON	STGHT. . . . .	STRAIGHT
H.C. . . . .	HIGH COMPRESSION	THERMO. . . . .	THERMOSTAT
ILLUST. . . . .	{ ILLUSTRATED	TRANS. . . . .	TRANSMISSION
	{ ILLUSTRATION	THD. . . . .	THREADS
INCL. . . . .	{ INCLUDED	U.S.A. . . . .	U.S.A. BUILT CARS
	{ INCLUDES	UNIV. . . . .	UNIVERSAL
INL. . . . .	INLET	US . . . . .	UNDERSIZE
I.D. . . . .	INSIDE DIAMETER	VAC. . . . .	VACUUM
L.H. . . . .	LEFT HAND	W.B. . . . .	WHEEL BASE
LHC. . . . .	LEFT HAND DRIVE	W/S. . . . .	WINDSHIELD
L.A. . . . .	LOS ANGELES		