# AUTOMOBILE MANUFACTURERS ASSOCIATION CONSOLIDATED SPECIFICATION QUESTIONNAIRE

MAKE OF CAR:	STUDEBAKER		MODEL NAME	SYMBOL
COMPANY:		Many a		
STUDE	BAKER -PACKAR	D CORPORATION	Golden Hawk	56J (K) Hardtop
MODEL YEAR:	1956	DATE Nov. 22, 1955		

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- NOTES: 1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
  - 2. All specifications are standard for the models under which they are listed unless otherwise indicated.
  - 3. All dimensions are nominal engineering dimensions unless otherwise indicated.
  - 4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

#### **GENERAL SPECIFICATIONS**

Model			GOLDEN HAWK	
Wheelbase			120-1/2	HENGE 235
_	Front	k-	56-11/16	F1 250 50
Tread	Rear		55-11/16	· · · ·
Maximum	Length (L-103)		203-15/16	
Overall	Width	(W-103)	70-7/16	
Dimensions	Height	(H-101)	56 <b>-</b> 5/16	
Steering ratio	-overall	1	24-33.8-24	17-200825-0
Turning diame	eter (curb	to curb) R & L	40-41	N St
Shipping weig		1	N.A.	
ransmission—		Conventional	_	
Specify stanc	dard,	Overdrive	Std.	
ptional, not	avail.)	Automatic	Opt Extra Cost	
	Conve	ntional	-	
Axle ratio	Overd	rive	3.92	
	Automo	atic	3.07	
îre size			7.10X15	
	Туре		90° Vee	
	No. of	cylinders	8	
	Valve	arrangement	In-Head	
•	Bore a	nd stroke	4X3~1/2	
ingine	Piston	displacement, cu. in.	352	M05 16
	Stando	ard compression ratio	9.5-1	
	Maxim	um bhp at engine rpm	275 at 4600	
		um forque at rpm	380 at 2800	

<sup>\*</sup>Standard car weight, not including gas and water.

Studebaker\* MAKE OF CAR MODEL YEAR GOLDEN HAWK MODEL **ENGINE---GENERAL** V, In-line, other Vee Type 900 Angle of V No. of cylinders 8 In-Head Valve arrangement Bore and stroke 4x3 - 1/2Piston displacement, cu. in. 352 1-3-5-7 Numbering system 2-4-6-8 (front to rear) R. Bank 1-8-4-3-6-5-7-2 Firing order 9.5-1 Standard Head Compression ratio **Optional Head** Cast Iron Standard Head Cylinders Material Optional None Sleeve-Wet, dry, other, none None 2 Front Number of mounting points Rear (Dia.2 x No. Cyl.) Taxable 51.2 horsepower 2.5 275 at 4600 Standard head Advertised Optional head max. brake With fuel 93 (Research) horsepower Standard Head (Octane at engine and RPM\* method) Optional Head 380 at 2800 Standard head Max. torque (lb. ft. @ RPM) Optional head 450 Recommended idle speed (neutral) **ENGINE—PISTONS** Alum. Alloy Material Cam Ground, Autothermic Flat Head. Description and finish Slipper Type Skirt, Tin Plated 24.762 Weight (piston only) oz. 0205-.0265 Top land Clearance Top 001-.0015 Skirt **Bottom** 000-.0015 No. 1 ring .213 No. 2 ring 213 Ring groove depth No. 3 ring 213 No. 4 ring \*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories:

MAKE OF	CAR	Studebaker	MODEL YEAR 1956		
MOREL		-	GOLDEN HAWK		
MODEL	GINE—RI	NGS	LEACH TENENZAMINATION	147	
	No. 1 oil	or comp.	Compression	9	
Type (top	No. 2 oil		Compression		
to bottom)	No. 3 oil		Oil		
	No. 4 oil or comp.		-		
No. rings abo	ve piston pin		3		
	Material		Cast Iron		
	Coating		Chrome (Upper Ring) Ferrox (Lower Ring)		
Compression	Width		5/64		
	Gap		.019		
	Maximum	wall thickness	.200		
	Material	_	Spring Steel		
	Coating		O.D. Chrome Plated Sides and I.D. Black Ox	ide	
Oil	Width		.0245 Each Rail		
	Gap		.015	Inches	
	Maximum	wall thickness	.186	200	
Location of e	xpanders		Oil Ring		
Material Length			S.A.E. 1117 Steel Heat Treated 3-1/4		
Diameter	-		.9803		
Туре	Locked in piston, flo	ating, etc.	Floating		
.,,,,	Bushing	In rod or piston	In Rod		
		Material	Bronze		
Clearance	In piston		.00000002 W/Piston at 700-1600 F.		
	In rod		.00000004		
Direction offs	et in piston		.0625 Toward Major Thrust Side		
ENG	GINE—CO	ONNECTING ROL	OS		
Material			Steel Forging		
Weight (oz.)			26.688		
Length (cente	r to center)		6.781		
	Material		Steel Back Babbitt Lined		
	Type (cas	t-in or removable)	Removable		
Bearing	Effective I	ength	15/16		
	Clearance		.00050025		
	End play	,	.003011 Two Rods		
ENA	GINE-CF	RANKSHAFT			
EIV					
Material			Cast Steel		
	_		Cast Steel 56	1907 4440 4450	

MAKE OF	CAR	Studebaker	MODEL YEAR 1956
MODEL			GOLDEN HAWK
	GINE—CR	ANKSHAFT (cont	.)
Vibration da	mper type		Non-Bonded Rubber
End thrust tal	ken by bearin	g (No.)	No. 5 Rear Main
Crankshaft e	<del></del>	g (1 (5))	.00350085
or annonan o	Material		Steel Back Babbitt Lined
	Type (cast	-in or removable)	Removable
	Clearance	-	.00030023
		No. 1	2.4990 x .950
	Journal	No. 2	2.4990 x .950
Aain	dia. and	No. 3	2.4990 x .950
earing	bearing	No. 4	2.4990 x .950
	effective	No. 5	2.4990 x 1.736
	length	No. 6	-
		No. 7	~
	Direction of	offset from cyl. bore	None
Connecting rod crankpin ournal diameter			2-1/4
EN	GINE—CA	MSHAFT	
		,	Alloy Cast Iron
	Material		Steel Back Babbitt Lined
earings	Number	4	5
	Gear or c	hain	Chain
	Crankshaf sprocket n	- 11	Heat Treated Steel
ype of Irive	Camshaft sprocket n	W	Alloy Cast Iron
11146		Make	Morse
	Timing	No. of links	64
	chain	Width	1.000
		Pitch	2.375 DENERGE AND ASSESSED.
EN	GINE-V	ALVE SYSTEM	
lydraulic lift	ers (yes, no)		
pecial provi otation (inta	sion for valve ke, exhaust)		No
Rocker ratio			1.6-1
Operating ta		ke	Automatic Takeup
clearance (in- not or cold)	dicate Exh	aust	Automatic Takeup
appet clear	ance Inta	ke	Automatic Takeup
or timing	Exh	aust	Automatic Takeup
liming marks wheel, damp			Damper

MAKE OF	CAR	<u>Studebaker</u>	MODEL YEAR 1956	2,7154.6
AODEL			GOLDEN HAWK	
	CINE VA	IVE SYSTEM	eant \	
ENGINE—VALVE SYSTE				
	Intake	Opens (°BTC)	14	
iming	77113000130479071137	Closes (°ABC)	62	
	Exhaust	Opens (°BBC)	54	
		Closes (°ATC)	18	
	Material		Silichrome Steel	
	Overali len	gth	5.712	
	Actual over	all head dia.	2	
	Angle of se	at	29 <sup>0</sup> Nominal	
	Seat insert	material		
	Stem diame	ter		
	Stem to guide clearance		Selected for .001002	
ntake	Lift		.398	
птаке	Outer spring	Valve closed (lb. @ in.)	87 <b>-</b> 97 at 1-3/4	
	press. and length	Valve open (lb. @ in.)	173-187 at 1-3/8	
	Inner	Valve closed (lb. @ in.)	-	
	press. and length	Valve open (lb. @ in.)	-	50 Opt
	Material		Head S.A.E. 2112 Stem S.A.E. 3140 or 8645	
	Overall length		5.690	
	Actual overall head dia.		11/16	
	Angle of se		44.5° Nominal	
	Seat insert		* 2 ( )	
	Stem diame		.3715	
		-1.000	Selected For .002003	
	Stem to guide clearance		.388	
xhaust	Outer spring	Valve closed (lb. @ in.)	87-97 at 1-3/4	
	press. and length	Valve open (lb. @ in.)	173-187 at 1-3/8	
	Inner spring	Valve closed (lb. @ in.)	-	
	press. and length	Valve open (lb. @ in.)	•	
ENG	SINE—LUE	RICATION SY	STEM	
	Main bearin	as	Pressure	
	Connecting	· -	Pressure	
ype of ibrication	Piston pins		Oil Mist	
plash,	Camshaft be	egrings	Pressure	
P. 14311,				
pressure,	Tappets			
ressure, ozzle)	Tappets Timing gear	or chain	Pressure Pressure Jet	

MAKE OF	CAR	Studebaker	MODEL YEAR 1956
MODEL			GOLDEN HAWK
	INE-LUI	BRICATION SYST	EM (cont.)
			Gear
Oil pump type Normal oil pre		·pm)	45-50 at 2800
Oil pressure g			
(electric or me			Mechanical
Type oil intake stationary)	e (floating,		Floating
Oil filter type partial flow)	(full flow,		Partial
Capacity of cr filter—refill (q			5
Oil grade reco		AE viscosity	Lowest Anticipated Temperature:
Oil type recon	nmended		MS
ENG	INE—FU	L SYSTEM	
Recommended	Standard he	ead	Premium
vel	Optional he	ad	-
vel	Capacity (g		18
ank	Filler Location	on	Left Side In Rear Fender
vel	Туре	· ·	Ceramic
ilter	Location		Carburetor Inlet
	Type (elec.	or mech.)	Mechanical
vel	Location		Right Side - Front of Engine
oump	Pressure rar		3-1/2 - 5-1/2 P.S.I.
		oster (std., optl., none)	None
	Make		Carter
	Model numb		WCFB 23945
	Number use		1
	Туре	Downdraft, side inlet, other	Downdraft
Carburetor		Single or dual	4 Barrel
	(manual, au	fold heat control to., none)	Automatic
	Automatic ch (integral, oth		Integral
	Air cleaner	Standard	Oil Bath
	type	Optional	#A
ENG	INE—EXH	HAUST SYSTEM	
ype (single, si	ngle with cross	s-over, dual, other)	Dual
Auffler type (r	ev. flow, str. th	nru, sep.resonator)	Reverse Flow
xhaust pipe di	ia.	Branch	**
	1000000	Main	2
ail pipe diame			1-3/4

			GOLDEN HAWK
MODEL			
ENG	INE-CC	OLING SYSTE	:M
Type (pressure			Pressure System
atmospheric, o		×-	
Radiator cap	Type (chok		13 lbs. Choke
Circulation thermostat	Starts to o		170°
-	+	rifugal, other)	Centrifugal
Water	Number of		One
pump	Drive (V-b	-	V-Belt
	Bearing ty	pe	Double Row Ball
		internal, external)	None
Radiator core (cellular, tube			Cellular-Tubular
Cooling sys-	With heate	or (qt.)	26.5
tem capacity	Without he		25
		cylinder (yes, no)	Yes
Water all arou	Vater all around cylinder (yes, no)		Yes
	Lower	Number and type (molded, straight)	l Molded Elbow
	Lower	Inside diameter and length	1-1/2
Radiator	Upper.	Number and type (molded, straight)	1 Molded Elbow
hose		Inside diameter and length	1-3/4
	By-	Number and type (molded, straight)	Marriage age of age to age of
	pass	Inside diameter and length	-
		Number used	One
	E	Angle of V	38 - 40
<b>n</b> :	Fan	Outside length	56-11/16
Drive belts		Width	3/8
	Gener-	Angle of V	-
	ator	Outside length	
		Width	<u> </u>
	Number of and spacin		4-76° and 104°
Fan	Diameter		20-1/16
t MII	Ratio—fan crankshaft		.92-1
	Bearing ty	oe l	See Water Pump

MODEL YEAR 1956 Studebaker MAKE OF CAR GOLDEN HAWK MODEL\_ ELECTRICAL-SUPPLY SYSTEM Make and Model Willard HDW-2SM-60 Voltage Rtg. & Plates/cell 12 Volt - 9 Plates Per Cell SAE Designation & Amp Hr. Rtg Battery Location Under Hood Left Fender Terminal grounded Negative Auto-Lite Make GJC ~7002F Model Generator Shunt Type 2,25 Ratio—Gen. to Cr/s rev. Auto-Lite Make VRX -6008A Model Current and Voltage Control Type Closing voltage 13-13.75 @ generator rpm Cutout relay Reverse current .5-.4 Amp to open Regulator Voltage 14.24-14.90 at 70° F. Regulated Current 30 Amp 2200 Min. Gen. rpm required 700 F Voltage **Temperature** test con-Load 10 Amp ditions Other **ELECTRICAL—STARTING SYSTEM** Auto-Lite Make Model MDF -6008 Rotation (drive Clockwise end view) Engine cranking speed 140 Test conditions Normal Engine Temp. Starting motor Amps Lock Volts test Torque (lb. ft.) 14.6 Amps 75 No Volts load 11.0 RPM (min.) 4400 Solenoid Switch (solenoid, manual) Startina 1. Rotate ignition key to start position. procedure When engine starts permit key to return to Motor control normal ignition 'on' position.

MAKE OF	CAR	Studebaker	MODEL YEAR 1956	970.66.74	
MODEL			GOLDEN HAWK		
ELE	CTRICAL-	-STARTING S	YSTEM (cont.)		
-	Engageme	nt type	Solenoid Actuated Shift		
Pinion mes		hes (front, rear)	Front	OF THE P	
Motor dri <b>ve</b>	Number	Pinion	9	1 on the	
111AG	of teeth	Flywheel	182		
	Flywheel to	ooth face width	3/8		
ELE	CTRICAL-	-IGNITION SY	YSTEM		
** : :::	Make		Auto-Lite	<del></del>	
,	Model		CAD-4001		
Coil		Engine stopped	-	RS FEE	
Amps	Amps	Engine idling	-	7.1539	
	Make		Auto-Lite		
Model	Model		IBJ -4001-C		
	Spark	Centr. advance start (rpm)	300		
	advance data (at	Centr. advance max. deg. @ rpm	20 at 1700		
Distributor	distri- butor	Vacuum advance start (in. Hg.)	0 at 7	LA Mer State	
	shaft)	Vac. adv. (max. deg. @ in. Hg.)	20 at 13		
	Breaker gap (in.)		.015		
	Cam angle	(deg.)	28 - 34		
	Breaker ar	m tension (oz.)	17 - 20		
	C/S deg.	@ rpm	5° BTDC		
	Mark locat	ion	Vibration Damper		
iming	Cylinder no	umbering system 2)	Left Bank 1-3-5-7, Right Bank 2-4-6-8		
	Firing order (see page 2)		1-8-4-3-6-5-7-2		
	Make and	model	Champion N18-67B		
ipark olug	Thread (mr	n)	14	_	
log	Tightening	torque (lb. ft.)	25 - 30		
	Gap		.033038		
	Conductor	type	Copper Wire - Tinned		
able	Insulation t	ype	Neoprene		
	Spark plug	protector	Hypalon		
ELE	CTRICAL-	-SUPPRESSIOI			
Description	*		.5 MFD Condenser-Ignition Coil .5 MFD Condenser-Generator Armature .5 MFD Condenser-Voltage Regulator 10,000 OHM Resistor-Integral with Distributor Cap Ground Bonded-Oil Pipe		

*	CAR Studebaker	是称[1] 3
MODEL		GOLDEN HAWK
MODEL	CTRICAL—INSTRUME	INTS AND SWITCHES
Speed-	Make	Stewart-Warner
ometer	Trip odometer (yes, no)	No
Charge indice	ator—type	Electric
Temperature	indicator—type	Electric
Oil pressure i	ndicator—type	Hydrostatic
Fuel indicator	—type	Electric
1	Identify positions in order and cir- cuits controlled	Center-off Turn to Right - All Circuits On Turn to Extreme Right - All Circuits Off except Ignition and Starter Solenoid
lgnition switch		Turn to Left - Gas Gage, Temperature
3 W		Indicator and Accessories
	Provision for illumination	None
		Instrument Board - Right of Steering Wheel
	Location Theft protection type	Instrument board - Right of Steering wheel
	Identify positions and lights	Toggle Type - Down for Parking and Tail Lights;
	controlled	Up for Head and Tail Lights
Main light- ing switch	Locations and lamps controlled	Up for Head and Tail Lights  Instrument Light Switch - Toggle Type.
other light	Locations and	
other light	Locations and	Instrument Light Switch - Toggle Type.
	Locations and	Instrument Light Switch - Toggle Type.
other light	Locations and	Instrument Light Switch - Toggle Type.  Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel
Other light switches	Locations and lamps controlled	Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board Right of Steering Wheel
Other light switches	Locations and lamps controlled  Locations and devices controlled	Instrument Light Switch - Toggle Type.  Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board
Other light switches Other switches	Locations and lamps controlled  Locations and devices controlled	Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board Right of Steering Wheel  Auto-Lite and Bosch
Other light switches	Locations and lamps controlled  Locations and devices controlled  Make Type Vacuum booster	Instrument Light Switch - Toggle Type.  Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board Right of Steering Wheel  Auto-Lite and Bosch Electric
Other light switches Other switches	Locations and lamps controlled  Locations and devices controlled  Make Type Vacuum booster provision	Instrument Light Switch - Toggle Type.  Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board Right of Steering Wheel  Auto-Lite and Bosch Electric  No Yes
Other light switches Other switches	Locations and lamps controlled  Locations and devices controlled  Make Type Vacuum booster provision	Climatizer and Defroster - Separate Switches - Toggle Type on Instrument Board Right of Steering Wheel Windshield Wiper Switch - Toggle Type on Instrument Board Right of Steering Wheel  Auto-Lite and Bosch Electric No Yes

MAKE OF CAR_	υσι	lebaker Mansa	MODEL YEAR 19	
MODEL			GOLDEN HAWK	
	AL—LA	MP BULBS		
live quantity used and tra adicate accessories which	de number, e.g., are not standard	Headlamp 2-4030. I equipment by an asterisk following the numb	ers.	
Í		100	0 5400	
feadlamp		-224	2-5400	-
leadlamp beam indi	cator	III DI WAR I LA	1-53	17 V-POMP1 *CV (V gr.) - CV.)
arking light		And the State of t	2-1034	
ail light		7.347	2-1034	
itop light	F		2-1034	DATE CONTINUES OF U
a a t 10 x	Front	ULA	2-1034*	
irection indicator	Rear	An included the control of the contr	2-1034*	
	Tell-Tale	÷ .	2-53*	
icense plate light			1-67	# 10 (10)
nstrument light	_		3-57	rasusil
gnition lock light				per volamos
Nap light			-	Tong get all
Dome light			1-1004	hudlerin peri more
Clock light			1-57*	grap
ladio dial light			2-1891*	
Blove compartment l	ight		1-57	
Courtesy light		P	- Dore	per l
runk compartment li	ght		1-1003*	511
Other			-	
Auto. Trans.	Shift I	ndicator Light	1-53*	
Cigar Lighte			1-53*	
Back Up Lamp	J		2-1073*	
Hand Brake W		ight	1-57*	
		SE & CIRCUIT BREAKER	DATA	e festolhogerus
Jse trade number of fuse, use by a letter and repeat	e.g., SFE-10. Ind the same letter f	icate circuit breaker by ampere capacity suffixe or all units protected by the same fuse or circu	ed by letters "C.B", e.g., 30 C.B. Where fuse or circuit it breaker, e.g., Parking light: SFE-10 (a), Direction in	breaker protects multiple circuits indicat dicator: same as (a).
Headlamp			20 C.B. (a)	
leadlamp beam indi	cator		Same as (a)	TWA THE EMERAL
	culoi		Same as (a)	
Parking light Tail light			Same as (a)	
			15 C.B. (b)	
stop light			SFE 9	
Direction indicator				
icense plate light			Same as (a)	way such a character of the particular
nstrument light			Same as (a)	
gnition light				
Nap light			- (2)	shid out the
Oome light			Same as (b)	(abasta strains)
lock			1 AG 3	INTER STREET
lock light		Marine State of the Company of the Company	Same as (a)	
Radio			SFE 9	
Glove compartment l	ight		Same as (b)	
Courtesy light			-	
runk compartment lie	ght		Same as (a)	
Other		2000000		
				<del></del>
Windshield W:	iper		5 C.B.	

3 AG 20

SFE 14

Windshield Wiper Trans. O.D.

Clim. and Defroster

		DESCRIPTION	GOLDEN HAWK	
MODEL DRI	VE UNITS		85 SHE GALL	A-JAD-STORIE
Make			Long	A STATE OF THE SAME OF THE SAM
Type (dry or	vet plate)		Dry	A DISTRICT SELECTION OF STREET AND ASSESSMENT OF
		pling (yes, no)	No	<u> </u>
emi-centrifug		pining (yes, no)	Yes	
	plate springs		Coil Springs	125-26 2 155
otal plate pr			1467	
to, of clutch o			One	
40. Of Ciolen	Material			
	Inside diam	atar	Woven Asbestos 7	- tor-y
	Outside die		7.7	Mark attended within
		rea (sq. in.)	133.1	lotal at
	Thickness	100 (34, 111)	1/8	
	Number re	nuirad	2	
	Engagemen		۷	· · · · · · · · · · · · · · · · · · ·
Clutch	ing method		Torbend Disc	
facing		Туре	Ball	
	Release bearing Torsional damping	Method of lubrication	Prelubricated	odbo
		Method (springs, other)	Coil Springs	
	22pg	Frict. mat.	Molded Asbestos	
DRI	VE UNITS	-TRANSMISSIONS		egifall newl
Conventional (	std. or opt.)		None	BRIE MILITA V
Conventional		(std. or opt.)	Std.	The Alberta State of State of
Automatic (std		tors or spin,	Opt.	Y-LADITALE
singlismi situania a	antida	-CONVENTIONAL TRANSMIS		make a second charge
Number of for	ward speeds		3	
TORIBE! OF TO	In first	<i>(</i>	2.49-1	
	In second	1	1.587-1	
ransmission	In third		1.00-1	
atios	In fourth		1.00-1	
	In reverse		3.154-1	
		(ves no)	Yes	
Constant mark	manre in 7-1	(703, 110)	168	
opur gear use indicate spee	d in ds)		None	5-months
Constant mesh Spur gear use lindicate spee Helical gears (indicate spee	d in ds) used in		None	s-morten

MAKE OF CAR Studebaker			ebaker	MODEL YEAR 1956		
MODEL	-			GOLDEN HAWK		
	VE UN	IITS—CO	NVENTIONA	L TRANSMISSION (cont.)		
				CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR CO		
		ity (pt.)		3.70 Including Overdrive		
		ecommende		Mardo tos sobros		
Lubricant	SAE vi			0131 013161		
	cosity	Win		- Baltine &		
	numbe		me cold 🌃 👕	(S - anno anno 1 annothers		
DRI	VE. UN	IITS—CC	NVENTIONA	AL TRANSMISSION WITH OVERDRIVE		
For transmission	on data se	e convention	al transmission sectio	n .		
	Type ( other)	planetary or		Planetary (said and said and s		
	If plan	etary, No. of	pinions	4 and of the second of the second		
	Manua	il lockout (ye	s, no)	Yes		
	Downs	hift accelera	tor control (yes, no)	Yes		
		ım cut-in spe	ed	Approx. 22 MPH		
	Gear	ratio		.722-1		
Overdrive		(O.D. only)		1-1/4 pt.		
		Separate filter (yes, no)		No		
	Lubri- cant	Type recommended		Mineral Oil Gear Lubricant		
	Cum	SAE vis- cosity	Summer	S.A.E. 90		
			Winter	S.A.E. 90		
		number	Ext. cold	S.A.E. 90		
DRI	VE UN	IITS—AL	TOMATIC TR	ANSMISSION		
Trade name				ULTRAMATIC		
Type (fluid co				Lockup Torque Converter with 2-Speed		
gears, torque				Automatically Controlled Planetary Gear Set		
with gears, o	tner)			Manager And Manage		
Manual sei.			32.	P - Park R - Reverse		
to right (show				N - Neutral		
define, e.g., i	N- Neutral	)		▼D - High (Triangle to Left of D)		
				DV- Drive (Triangle to Right of D)		
	,			L - Low		
List gear ration position (range	•	drive		High-Torque Converter, High, Automatically Upshifting to Direct Drive		
				Drive - Torque Converter Plus 1.82 Gear Ratio Automatically Upshifting to High Direct Drive Low - Torque Converter Plus 1.82 Gear Ratio Reverse - Torque Converter Plus 1.83 Gear Ratio		
(5)			by accelerator			
control and s			(yes, no)	Yes		
By governor-		1 D W		Yes		
Downshift of gears in high range possible up to (mph)				Down to Converter and Low at Speeds below 45 MPH.		

MAKE OF	CARSt	udebaker	MODEL YEAR 1956	1 61 334
MODEL	-		GOLDEN HAWK	1201
	VE UNIT	S-AUTOMATIC	C TRANSMISSION (cont.)	Mag
	Number of	elements	4	
	Max. ratio		2.90 at 1650	
	Provided (yes, no)		Yes	
orque	Mechan-	Speed range	24-70 MPH	
onvertor	ical lockup	Releases at (speed range, mph)	O NEW MOISE TENSOR AZODITATENCO-STORE ZE	760
		ooling (forced air, oil I type, other)	Liquid Cooled	n comment
	Anti-creep	device (yes, no)	No	
	Capacity-	-refill (pt.)	22	
	Type reco	mmended	Type "A" Automatic Transmission Fluid	
ubricant		Summer	Type "A" Automatic Transmission Fluid	
	Grade	Winter	Type "A" Automatic Transmission Fluid	
-		Extreme cold	Type "A" Automatic Transmission Fluid	
	VE UNIT	S—PROPELLER	SHAFT (Vice of C)	
lumber used	d, torque tub	<u> </u>	Exposed	
ype texpose	Convention		112 pobed	
Duter			3 2 24 W (fino)	
liameter x ength* x vall	Overdrive trans.		Front 2 x 18-5/16 x .065 Rear 2-1/2 x 42-15/16 x	.065
hickness	Automatic	trans.	Front 2 x 18-5/16 x .065 Rear 2-1/2 x 42-15/16 x	.065
Inter-	Type (plai anti-friction		Anti-Friction	or profit ed
mediate bearing	Lubri. (fitti prepack)	ng,	Sealed	and the same
	Make		Spicer	cedul Olph
	Number us	ed	3	
Jniversal oints	Type (ball and trunnion, cross, other)		Cross	O
		Type (plain, anti-friction)	Needle Bearing	
	Bearing	Lubric. (fitting, prepack)	Fitting	: pailis
Orive taken th or arms, sprin	rough (torque g)	tube	Rear Springs	tom lettre
orque taken	through (torq	ue tube	Rear Springs	Hebrieral

<sup>\*</sup>Centerline to centerline of joints or centerline of rear attachment point.

MAKE OF	CARS	tudebaker	MODEL YEAR 1956	189	
			GOLDEN HAWK		
MODEL			· · · · · · · · · · · · · · · · · · ·	2500	
DRI	VE UNIT	-REAR AXLE	E value Advised		
Type (semi-flo	ating, other)		Semi-floating		
Gear type (hy	poid, other)		hypoid		
	Convention	al trans.			
Gear ratio	100		11 the fact		
and No. of teeth	Overdrive	trans.	3.92-1		
	Automatic	trans.	3.07-1		
Pinion adjustm	ent (shim, oth	er)	Shim		
Pinion bearing	adj. (shim, o	ther)	Shim		
	Capacity (		3		
	Type recor	7	Hypoid Lubricant		
Lubricant	SAE vis-	Summer	S.A.E. 90		
	cosity	Winter	S.A E. 90		
	number	Extreme cold	S,A.E. 90		
DRI	VE UNIT	-WHEELS			
Type (disc, off	ier)		Disc		
Rim (size and	flange type)		Drop Center 15x5K		
	Type (bolt	or stud)	Stud		
Attachment	Circle dian	neter	4.5 5-1/2		
	Number ar	d size	5-1/2		
DRI	VE UNITS	-TIRES			
Size and	Standard		7.10x15-4 Tubeless*		
ply rating	Optional		- voing		
Rev/mile at 3	) mph		739		
Inflation	Front		26		
press. (cold)	Rear		24**		
BRA	KES-SE	RVICE	2.4000000000000000000000000000000000000		
Туре			-		
-/			Hydraulic		
Booster type	6		Opt.		
Effective area	(sq. in.)		195.25	. SEEDLE-BEER	
Percent brake	effectiveness	rear	38	ه	
	Diameter	Front	11		
Drum		Rear	10		
	Type and	materiał	Budd Composite		

<sup>\* -</sup> All tires available with White Side-walls/6 Ply/with tubes

<sup>\*\* -</sup> Under conditions where car loading of four or more passengers is considered normal, 26 lbs. pressure is recommended.

MODEL			HAVE HAVE	GOLDEN HAWK
	KES-SE	RVICE (co	ont.)	ANT ETTENT BY BY
	Bonded or	riveted		Riveted have same
	Material			Marshall-Eclipse 2201-H8
	Pri-	Size (length x	Front wheel	12 x 2-1/4 x 3/16
	mary	width x thickness)	Rear wheel	10-29/32 x 2 x 3/16
Brake lining		Segments p	er shoe	One
ming		Material		Marshall-Eclipse 2201-H8
	Second-	Size (length	Front wheel	12 x 2-1/4 x 7/32
	ary	width x thickness)	Rear wheel	10-29/32 x 2 x 3/16
		Segments p	er shoe	One bezwin
Wheel cyl-	Front		99	1-1/16
inder bore	Rear		- 1.	7/8 (1999) 4796 1423 1843 1843
Master cylind				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Available ped				6
Line pressure		dal load		890
Shoe clearanc	e adjustment	اله جراء	A LIVE	.006008
BRA	KES-PA	RKING		bow to work a
Type of contro	<u> </u>			Handle
Location of co	ntrol			Right of Steering Column
Operates on				Rear Brakes
lf sepa-		nal or externo	21)	
rate from	Drum diam			
service brakes		ng size (length x th x thickness)		-
FRA	WE			
Type and des	cription			Box Section - Ladder Type 6 Crossmembers
FRO	NT SUSP	ENSION	II	even.
Type and desc	ription			<u> </u>
				Independent Coil Springs

MAKE OF CAR Studebaker			debaker	MODEL YEAR 1956		
MODEL_				GOLDEN HAWK		
	ONT S	ISPENS	ION (cont			
		OSF EIVO	1014 (6011	EARS 0 10 TEMPO 17		
	Туре			Independent Coil Springs		
	Material			S.A.E. 5160		
Spring	Size (length No. leaves			4-3/16		
- F	Spring rate	(lb. per in	1.)	296		
1	Rate at wh	100		125		
			ated length)	1565 at 9-1/8		
	Manufactur	er		Monroe or Delco		
Shock	Type (direc	t or lever)		Direct		
absorbers	Piston diam			1		
Stabilizer	Type (link, frameless)	linkless,		Linkless Signed gove		
0,000,000	Material			S.A.E. 1065		
51	EERING	}				
Type used	(Standard	Mechanic	;al	Std.		
or optional		Power		Opt.		
Wheel dian		12 S. S. B. B. (1-1-2-2	AMENDE OF THE OW	The parameter of the second companies of the second co		
	Outside	Wall to v	wall (r. & l.)	43-44		
Turning	front	Curb to curb (r. & l.)		40-41		
dlameter	inside	Wall to wall (r. & l.)		25.5-26.5		
	rear	Curb to curb (r. & l.)		26-27		
Inside whe	el angle wit	th outside w	vheel at 20°	22-1/2 - 23-1/2		
		Туре		Cam and Twin Lever		
M 6 1 1	<u>.</u>	Make		Ross		
Mechanical	Gear	Gear	Gear	18,5-16,5-18,5		
		Ratios	Overall	24 -33 . 8 -24		
	No. wh	neel turns		5-1/4		
)— <u>;</u>	Туре	75	The state of the state of	Integral		
	Make		-	Saginaw		
	Trade	name		-		
		Туре		Recirculating Ball		
Power	Gear		Gear	21.3-1		
		Ratios	Overall	20-1		
	Pump	driven by	2.3	Belt		
		Il torque ra	ıtio	DC 10		
		r wheel tur		4-1/4		
	Туре		113	Center Steering with Equal Length Tie Rods		
linkae -	Location of whe	on (front or	rear	Rear		
Linkage			w land			
	GANN	ink (trans. c ts (one or t		Longitudinal		
	116 100	12 (OHE OF )	<del>"</del> "	2		

MODEL			GOLDEN HAWK
	ERING (c	ont.)	TROSE SUSPENSION I
		at camber (deg.)	6 at 0 Camber
	Diameter	di camper (deg.)	Upper 1-1/4 Lower 1-1/8
Cingpin	Diamotor	Upper	Bushing
ap	Bearings	Lower	Needle
	(type)	Thrust	Ball or Tapered Roller
	Caster (de		-1 to -2-1/2
Vheel	020101 (400	<i>5.7</i>	Not more than 3/4° Variation between wheels
rignment	Camber (c	lea.)	0 to fl
range and	-		1/20 Greater Camber favored on Driver's side
referred)	Toe-in (out	side tread-	1/16-1/8
	inches)		1/10-1/6
steering knuck	kle type		Reverse Elliott
- Part Carrier	Digmeter	inner	1.25
	Didilleter	bearing	
Wheel		Outer	.75
pindle		bearing	
	Thread siz	e	3/4 - 16
	Bearing ty	pe	Tapered Roller
REA	R SUSPE	NSION	( A A flow of flow)
Type		7.40	Leaf
Type Drive and torq. taken through (see page 14)			Rear Springs
Ditte did to	Type	ign (see page 14)	Semi-Elliptic
	Material		S.A.E. 5150 have shorted the eight battle state.
		th x width x	
		s or coil I.D.)	50 x 2-1/2 x 4
	Spring rat	e (lb. per in.)	90
		heel (lb. per in.)	100
		ad (lb. at rated	
			700
Spring	length)		Property (Artist Control of Contr
Spring		insulation type	Rubber Bushings
Spring	Mounting	insulation type o. of leaves	Rubber Bushings 4
Spring	Mounting N		Rubber Bushings
Spring	Mounting N C	o. of leaves	Rubber Busnings 4
Spring	Mounting N C If Leaf	o. of leaves overs (yes, no) bricated (yes, no) Type and size	No Rubber Bushings
Spring	Mounting N C If Leaf	o. of leaves overs (yes, no) bricated (yes, no)	No No
Spring	Mounting N C If Lu leaf	o. of leaves overs (yes, no) bricated (yes, no) Type and size	No No Full Length and Width
	Mounting N C If Lu leaf	o. of leaves overs (yes, no) bricated (yes, no)  serts Type and size Material nackle (comp. or tens.)	No No Full Length and Width Extruded Plastic Compression Monroe or Delco
Shock	Mounting N C If Lu leaf in SI Manufactu	o. of leaves overs (yes, no) bricated (yes, no)  serts Type and size Material nackle (comp. or tens.)	A No  No  No  Full Length and Width  Extruded Plastic  Compression  Monroe or Delco  Direct
Shock	Mounting N C If Lu leaf in SI Manufactu	o. of leaves overs (yes, no) obricated (yes, no) serts Type and size Material nackle (comp. or tens.) over	No No Full Length and Width Extruded Plastic Compression Monroe or Delco
Shock absorbers	Mounting  N C If Lu leaf In SI Manufactu Type (dire	o. of leaves overs (yes, no) obricated (yes, no) serts Type and size Material nackle (comp. or tens.) over	A No  No  No  Full Length and Width  Extruded Plastic  Compression  Monroe or Delco  Direct
Shock absorbers Stabilizer	Mounting  N C If Lu leaf In SI Manufactu Type (dire	o. of leaves overs (yes, no) obricated (yes, no) serts Type and size Material nackle (comp. or tens.) over	A No  No  No  Full Length and Width  Extruded Plastic  Compression  Monroe or Delco  Direct

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MAKE OF CAR\_

Studebaker

MODEL YEAR

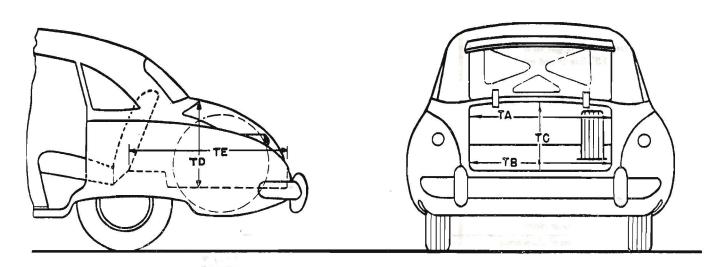
1956

#### **BODY—GENERAL DEFINITIONS**

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been proposed for adoption by the SAE. These are indicated by a number following the type of dimension, e.g., L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. The dimensions are developed from the following basic points:

- 1. Front and rear seat "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
- 2. Front seat is in the rear position.
- 3. Loaded position—5 passengers, front 300 lb., rear 450 lb., includes spare wheel, tire and tools, and full complement of gas, oil, water, etc. and tires to recommended pressure, etc.
- 4. C. L. (centerline).
- 5. D. L. O. (daylight opening, exposed glass dimension).
- 6. Ramp breakover angle (page 20-A) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

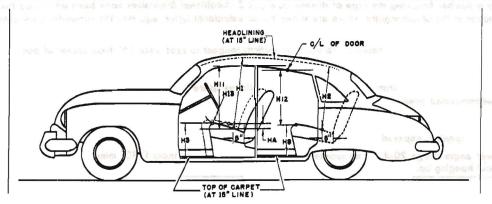
MODEL	GOLDEN HAWK
BODY—TRUNK OPE	NING DIMENSIONS



TA-Width across the top	48-1/2	
TB—Width across the bottom	44-1/4	
TC—Diagonal dimension at CL from top of opening to bottom	39-3/4	
TD—Vertical height of opening (floor to top, inside edge of opening)	20-1/2	
TE-Max. horizontal depth (forward from vertical projection of inside edge of opening)	51-1/2	-
Position of spare tire stowage	Horizontal	
Method of holding lid open	Spring Loaded Hinge	

MAKE OF CAR	Studebaker	MODEL YEAR 1956
		GOLDEN HAWK
MODEL		

#### BODY—HEIGHT DIMENSIONS—INTERIOR



H1. Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35-5/8
H2. Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line.	34
H3. Front seat height to floor carpet on 15" line (front edge of cushion).	10-3/4
H8. Rear seat height to floor carpet on 15" line (front edge of cushion).	12
HII. Entrance—front—cushion "A" point to bottom windcord vertical.	31-1/4
H12. Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door.	None
H13. Steering wheel clearance to seat cushion taken on arc.	4-1/4
HA. Front seat vertical rise at "A" pt. (inches.)	15/16

MAKE OF CAR.

Studebaker

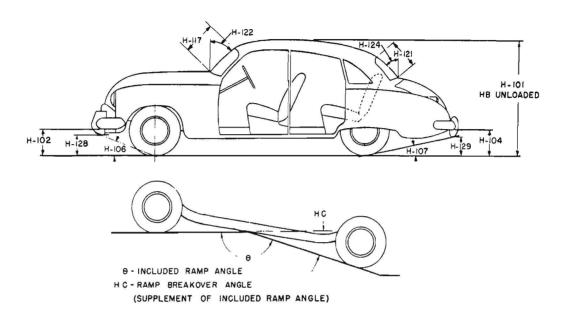
MODEL YEAR

1956

MODEL

GOLDEN HAWK

#### BODY—HEIGHT DIMENSIONS—EXTERIOR



H101. Overall height.	56-5/16
HB. Overall height—unloaded.	58-1/8
<b>H102.</b> Front bumper bottom to ground at normal section.	13 -3/4
<b>H104.</b> Rear bumper bottom to ground at normal section.	11-29/32
H106. Angle of approach—from the tire rolling radius to lowest point on front bumper or guard.	20°
<b>H107.</b> Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard.	190
HC. Ramp breakover angle.*	14-1/2
H117. Windshield DLO-slant height.	17
H121. Backlight DLO*—Max., slant height.	15-9/16
H122. Windshield slope angle to vertical line on car axis.	51-1/2
H124. Backlight slope angle to vertical line on car axis.	54
<b>H128.</b> Ground to bottom of front bumper guard.	11-15/16
<b>H129.</b> Ground to bottom of rear bumper guard.	11-29/32
<b>HD.</b> Min. road clearance (location and dimension).	6~15/32**
HE. Min. road clearance at rear axle.	8-3/16

<sup>\*</sup>See Notes, page 19.

<sup>\*\*</sup> Body Front Pillar Crossmember

Studebaker MODEL YEAR MAKE OF CAR\_ GOLDEN HAWK MODEL **BODY—LENGTH DIMENSIONS** L3. Rear compartment back of front 26-5/8 seat back to rear seat back. L4. Leg room-front-diagonal-43-3/4 ball of foot to top of seat to front seat back-15" line. L5. Leg room-rear-diagonal-36 from ball of foot to top of rear seat cushion and to seat back. L7. Steering wheel clearance to 13-3/4 seat back taken on arc. L9. Front seat depth (front edge to 19 vert. tan. to seat back on 15" line). L16. Depth of rear seat 18 (front edge to seat back). L17. Total adjustment of 5-1/2 front seat at floor. 120-1/2 L101. Wheel base. L103. Overall length (bumper to 203-15/16 bumper inc. guards). Exte- L104. Overhang—front including 34 - 7/8bumper guards. L105. Overhang—rear including

bumper guards.

48-9/16

MODEL YEAR

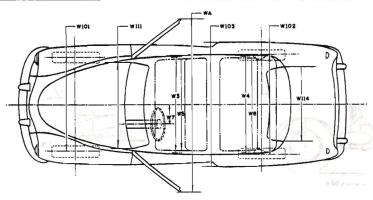
化自有自动相似的 经有效证据——不证的证

Studebaker 1956

GOLDEN HAWK MODEL

### **BODY—WIDTH DIMENSIONS**

MAKE OF CAR\_



	W3. Front shoulder room, at garnish moulding height or nearest interference	St. Rees comportment back of front.  St. Rees comportment back of front.
	5" forward of seat back.	Haragoib Heav maan gas
inte-	<b>W4.</b> Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	53  tono garan respectiveness, gas 183
rior	<b>W5.</b> Front hip room, at top of seat 5" forward of vert. tan. to seat back.	59-1/2 sold tops of han a more
	<b>W6.</b> Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	26* Of ethorasis leady princate .
	W7. Steering wheel center to center of body.	14 self "it is aud tow of mo-
	W101. Front tread at ground.	56-1,1/16
	W102. Rear tread at ground.	55-11/16 **********************************
Exte-	W103. Max. overall width of car including bumpers or mouldings.	70-7/16 hpasi licros C
rior	WA. Max. overall width of car with doors open.	151~7/8
	W111. Windshield DLO, max. width.	51-3/4
	W114. Back window DLO, max. width.	54

<sup>\*</sup> Rear Seat Divided - Overall Width 58

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MAKE OF CAR	Studebaker	MODEL YEAR 1956	
		GOLDEN HAWK	
MODEL		GOTEDIA INIMI	TORLEUR
BODY-	-MISCELLANEOUS I	NFORMATION	
Doors hinged	Front	Front	Yelds
(front, rear)	Regr	Front	
		Synthetic Enamel	
Type of finish (lacquer, enamel) Hood opening (front, side; semi-full, full, half)			B
Hood counterbalanced (yes, no)		Front - Full	The Court
Hood release control (internal, external)		No cacadana pero	do ettoció
		External	
Vent window contro (crank, friction, pive		Friction Pivot	
Windshield (one pi	ece, two piece; curved, flat)	One Piece Curved	
Rear window type piece; curved, flat)	(one piece, two piece, three	One Piece Curved	
Windshield glass a	rea	858 Sq. In.	
Backlight glass are		910 Sq. In.	
Total glass area		2866 Sq. In.	describeration
BODY-	TYPES AND STYLE		tempité ()
Body type, number of passengers, and style names (use letter code shown below followed by passenger capacity and style name e.g., N-6 Ranchwagon)		J-5 GOLDEN HAWK	0.00
		475/5	<b>,ogai.</b> Send histor.
	***************************************	a sotol	
		CONTRACTOR SUCTION	man) miged me ared
		Body type code	
B—Coupe C—Sedal D—Sedal E—Sedal F—Sedal G—Sedal	e—2 door flatback e—2 door notchback n—2 door flatback n—2 door notchback n—4 door flatback (4 windows n—4 door flatback (6 windows n—4 door notchback (4 windows n—4 door notchback (6 windows	L—Convertible—2 door  M—Convertible—4 door  N—Station wagon—2 door  P—Station wagon—4 door  s)  Q—Combined passenger and utility—2 door  R—Combined passenger and utility—4 door  ws)  S—Sedan delivery	
J—Hardt	top—4 door		ලව

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migray apartosit-			13
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