Drawing Number	Drawing Description	Part Number	Drawing Description
	Cover Sheet	B301	Bracket - Main rail - End cap - Front
SC01	Drawing Index & Notes	B302	Bracket - Man rails rear tie plate
SC02	Chassis - Side - CA301 (1 of 6)	B302	•
SC03	Chassis - Top - CA301 (2 of 6)		Bracket - Main rails rear tie plate - Extension
SC04	Superstructure - Side - CA301 (3 of 6)	B304	Bracket - Front outrigger
SC05	Superstructure - Top - CA301 (4 of 6)	B305	Bracket - Front chassis tube reinforcement
		B306	Bracket - Cowel tube support
SC06	Chassis Sections - CA301 (5 of 6)	B307	Bracket - Rear outrigger to superstructure support
SC07	Chassis Sections - CA301 (6 of 6)	B308	Bracket - Trunk tubes - Rear reinforcement plate
SC08	B301, B302 & B305	B309	Bracket - Bumper support - front
SC09	B302 &B308	B310	Bracket - Bumper support - rear
SC10	B303, B306 & B307	B311	Bracket - Radiator mount - Upper
SC11	B309, B311, B312 & B329	B312	Bracket - Radiator mount - Lower
SC12	B313	B313	Bracket - Steering rack mount
SC13	B315, B316, B317 & B348	B314	NOT USED
SC14	B318, B319, B320 & B349	B315	Bracket - Differential hanger - Pinion mount
SC15	B321, B322, B323, B324 & B325	B316	Bracket - Header sidepipe mount
SC16	B326, B327 & B328	B317	Bracket - Under car exhaust mount - Front
SC17	B310, B330, B331 & B347	B318	Bracket - Roll bar mount - Outter
SC18	B332, B333, B34 & B335	B319	Bracket - Roll bar mount - Inner
SC19	B336, B337, B338 & B339	B320	Bracket - Rear upright travel stop
SC20	B340,B341, B342, B343, B344 & B345	B321	Bracket - Seat mount channel
SC21	CT301, CT302, CT303 & CT305	B322	Bracket - Seat mount - Front inner
SC22	CT304	B323	Bracket - Seat belt mount - Inner
SC23	CT306	B324	Bracket - Seat belt mount - Outter
SC24	D301 & D302	B325	Bracket - Fuel pump mount
SC25	D303, D304 & D305	B326	Bracket - Windshield mount
SC26	FS301, FS302, FS303, FS304 & FS305	B327	Bracket - Steering column mount - Upper
SC27	FSA301	B328	Bracket - Dash mount
SC28	FT301 & FT302	B329	Bracket - Sway bar mount - Front
SC29	FT303, FT307 & FT309	B330	Bracket - Sway bar mount - Rear - Under car style
SC30	FT308	B331	Bracket - Differential oil cooler mount
SC31	FT304, FT305 & FT306	B332	Bracket - Hood / trunk hinge - pivot support
SC32	FTA301 (1 of 3)	B333	Bracket - Hood / trunk hinge - prot support
SC33	FTA301 (2 of 3)	B334	· · · · · · · · · · · · · · · · · · ·
SC34	FTA301 (3 of 3)		Bracket - Hood latch - stop
SC35	HB301, HB302, HB303, HB304 & HB305	B335	Bracket - Hood latch - mount
SC36	HBA301	B336	Bracket - Trunk latch - stop
SC37	MM301	B337	Bracket - Trunk latch - mount
SC38	MM302	B338	Bracket - Hood & trunk prop rod mount - frame pivot
SC39	MMA301	B339	Bracket - Hood & trunk prop rod mount - chassis pivot
SC40		B340	Bracket - Accelarator pedal box support
SC41	PB301, PB303 & PB304	B341	Bracket - Brake hose - end support
	PB302	B342	Bracket - Clutch hose - end support
SC42	PB305 & PB306	B343	Bracket - Top & window support ferrule
SC43	PB307	B344	Bracket - Trunk floor - Front support
SC44	PBA301 & PBA302	B345	Bracket - Reinforcement plate - Trunk upper side tubes
SC45	TM301 & TM302	B346	NOT USED
SC46	TMA301	B347	Bracket - Rear structure support tube
SC47	RS301, RS302, RS303, RS304, RS305 & RS308	B348	Bracket - Footbox support channel - Right
SC48	RS306 & RS307	B349	Bracket - Under car exhaust mount - Rear
SC49	RSA301	CT301	Chassis tube - Main rails
SC50	RT301 & RT302	CT302	Chassis tube - Crossmembers - Front, Trans & Diff
SC51	RT303, RT304 & RT305	CT303	Chassis tube - Crossmember - Engine
SC52	RT306, RT307 & RT308	CT304	Chassis tube - Front cowel
SC53	RT309	CT305	Chassis tube - Front bumper tie
SC54	RTA301 (1 of 2)	CT306	Chassis tube - Rear outrigger assemby
SC55	RTA301 (2 of 2)	CA301	Chassis assembly
SC56	ST301, ST302 & ST303	D301	Door - Hinge support bracket - chassis mount
SC57	ST304, ST305 & ST306	D302	Door - Hinge assembly
SC58	ST307, ST308 & ST309	D303	Door - Hinge support bracket - door frame
SC59	ST310	D304	Door - Latch box support bracket - door frame
SC60	ST311	D305	Door - Striker latch support bracket - chassis
SC61	ST312	FS301	Front suspension - A-arm mount - Lower - Inner
		FS302	Front suspension - A-arm mount - Lower - Outter
Date:	9/29/2014	FS303	Front suspension - A-arm mount - Upper - Inner - Front
		FS304	Front suspension - A-arm mount - Upper - Inner - Rear
		FS305	Front suspension - A-arm mount - Upper - Outter
		FSA301	Front suspension - Assembly - Lower
		FT301	Front tower - Vertical tube - Front
		FT302	Front tower - Vertical tube - Rear
		FT303	Front tower - Top horizontal tube
		FT204	Front tower - Top Honzontal tube

- continued below left -Drawing

umber	Description
FTA301	Front tower - Assembly
HB301	Hand brake - Main support bracket
HB302	Hand brake - Horizontal reinforcement bracket
HB303	Hand brake - Vertical reinforcement bracket
HB304	Hand brake - Handle mounting spacers
HB305	Hand brake - Cable front support
HBA301	Hand brake assembly
MM301	Motor mount - Right side
MM302	Motor mount - Left side
MMA301	Motor mount assembly
PB301	Pedal Box - Front plate
PB302	Pedal Box - Bottom & rear plate
PB303	Pedal Box - Side plate
PB304	Pedal Box - Pedal pivot hub
PB305	Pedal Box - Clutch pedal
PB306	Pedal Box - Brake pedal
PB307	Pedal Box - Miscellaneous pieces
PBA301	Pedal Box Assembly
PBA302	Pedal Box Assembly - Pedal installation
RS301	Rear suspension - A-arm mount - Lower - Front
RS302	Rear suspension - A-arm mount - Lower - Rear
RS303	Rear suspension - A-arm mount - Upper - Front
RS304	Rear suspension - A-arm mount - Upper - Rear
RS305	Rear suspension - A-arm mount - Upper - Inner
RS306	Rear suspension - Trailing link mount - Upper
RS307	Rear suspension - Trailing link mount - Lower
RS308	Rear suspension - Gusset - Trailing link mount
RSA301	Rear suspension Assembly - A-arm mount - Lower
RT301	Rear tower - Vertical tube - Front
RT302	Rear tower - Vertical tube - Rear
RT303	Rear tower - Top tube - Side
RT304	Rear tower - Top tube - Front
RT305	Rear tower - Top tube - Rear
RT306	Rear tower - Side reinforcement plate
RT307	Rear tower - Differential hanger - Top - Front
RT308	Rear tower - Differential hanger - Top - Rear
RT309	Rear tower - Shock mount
RTA301	Rear tower assembly
ST301	Superstructure Tube - Hood front
ST302	Superstructure Tube - Hood rear
ST303	Superstructure Tube - Hood side
ST304	Superstructure Tube - Cockpit front
ST305	Superstructure Tube - Cockpit rear
ST306	Superstructure Tube - Door perimeter
ST307	Superstructure Tube - Trunk front
ST308	Superstructure Tube - Trunk side
ST309 ST310	Superstructure Tube - Trunk bottom rear Superstructure - Hood frame assembly
ST310 ST311	
	Superstructure - Door frame assembly
ST312 TM301	Superstructure - Trunk frame assembly Transmission mount - Side plates
TM301	Transmission mount - Side plates Transmission mount - Bottom channel
TMA301	Transmission mount assembly
INIAGOI	Hallottiission mount assembly
Date:	9/30/2014

1. Fabrication dimensions for components are based on the use of flat cold rolled steel and the nominal decimal equivalent of the gauge size. (The decimal equivalent is typically included on part drawing). Nominal gauge equivalences used are:

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7 GA = .187*
9 \text{ GA} = .149^{*}
10 GA = .134°
11 GA = .119°
12 \text{ GA} = .104^{\circ}
13 GA = .089*
16 GA = .060
18 GA = .047
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- 2. Bend radius (inner radius) are typically drawn in these drawings as 1 x material thickness.
- 3. Due to the handbuilt nature of the cobra, variations exist between bodies. It should be expected that all of the body support tubes (identified with the prefix "ST" -Superstructure Tubes) will need to be adjusted to fit the body used. It is recommended that none of the ST tubes be final cut and welded onto the main chassis until they are fit to the body curvature.
- 4. Scale of drawings. Example: A scale indicated on the drawings as 1": 2" = 1 drawing unit (inches) = 2 physical part units (inches). I.e the part is drawn at 1/2 scale and the part will print at 1/2 actual size when drawings are printed at full size of 24" x 32".
- 5. Test assemble all suspension and running gear components to chassis mounting brackets to check fit and alignment before final chassis welding.



Detail or Section Reference. x = Detail or section IdentificationDwg = Drawing on which reference appears

Introduction:

These drawings have been created to document the chassis of the 1965 & 1966 427 Cobra roadsters. The original Cobras utilized the 260 CID and 289 CID Ford Ford engine. A total of approximately 655 of the 260 / 289 roadster Cobras were constructed in several body configurations (slab-side, FIA, USRRC, Daytona Coupe, etc), with the same basic 3 inch tube diameter ladder style chassis and transverse leaf springs being the common denominator.

Searching for more performance, the 427 Cobra was introduced in 1965. Numerous modifications were made to the original 289 chassis to handle the increased size, weitght and performance potential of the 427 Ford engine. The two most significant changes were the use of coil springs and an increase in size of the main chassis rails to 4 inch diameter tubes.

A total of approximately 350 of the 427 Cobras (including both the Steet 427 and 427 SC models) were produced with the same basic body style although there were a few minor body modifications, the most notable was the variation in the rear wheel arches.

The 427 Street and 427 SC Cobras utilized identical chassis design and varied only with the addition of minor brackets to mount various accessory components needed for competition (roll bar, engine oil cooler, side mounted exhaust, etc.)

These drawings have been prepared with the best information available, however they are provided with no written or implied guarantee of accuracy or suitability of purpose and they are intended to be used solely for entertainment purposes.

- continued above right-

Front tower - Shock mount

Front tower - Cross tube - Full tube

Front tower - Cross tube - Right side - Top

Front tower - Vertical reinforcement plate

Front tower - Cross tube - Left side - Bottom

Front tower - Inner wheel arch sheet metal support

FT304

FT305

FT306

FT307

FT308

FT309

Rev.	Description	Date	427 Cobra Chassis
			Drawing Registration No. xxx
			Name: Sample
			Date: April 2014

DRAWING INDEX & NA NOTES

Drawing Number SC01