Drawing Number	Drawing Title
	Cover Sheet
DGP01	Drawing Index & Notes
DGP02	M121 (1 of 4)
DGP03	M121 (2 of 4)
DGP04	M121 (3 of 4)
DGP05	M121 (4 of 4)
DGP06	M122 (1 of 2)
DGP07	M122 (2 of 4)
DGP08	M122 (3 of 4)
DGP09	M122 (4 of 4)
DGP10	M123 (1 of 2)
DGP11	M123 (2 of 2)
Date:	**2/18/2022**

Part Number	Part Title
M121	Misc Part - Daytona - Windshield
M122	Misc Part - Daytona - Rear window
M123	Misc Part - Daytona - Side window
M124	Misc Part - Daytona - Headlight cover (In development)
M125	Misc Part - Daytona - Driving light cover (In development)
M126	Misc Part - Daytona - Rear brake air deflector - Windshield (In development)
M127	Misc Part - Daytona - Rear brake air deflector - Quarter window - Outer (In development)
M128	Misc Part - Daytona - Rear brake air deflector - Quarter window - Inner (In development)
Date:	**2/18/2022**

Introduction:
These drawings have been created to document the windshield, rear and side windows, headlight covers, air deflectors and other "plastic" parts for the 1965 Daytona Coupe Cobras.

A total of six of these cars were constructed between 1964 and 1965. Although the similiarities between the six are obvious, there are also some differences between the cars. The windshield and rear window appear to be the same on all of the original cars; the subtle differences show up in parts such as the side windows, headlight covers and similar pieces.

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.

Date:1/29/2022

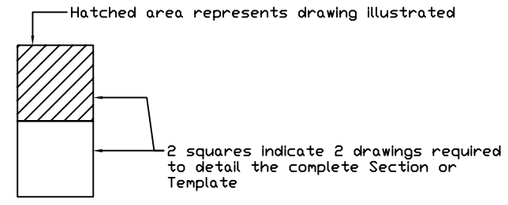
Notes (Printing & Scaling):

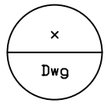
1. Sections and Templates are full scale when plotted on 22" (high) x 34" (wide) paper.

2. When Sections or Templates are symetrical about a centerline axis, they are typically shown for one side only. The side shown should be mirrored about the centerline to obtain the complete profile.

3. Sections or Templates spanning multiple drawings (due to their size) use the following "key" to designate which drawings is illustrated.

Notes Rev: 2/18/2022





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

Notes (Materials and sourcing):

1. These drawings are referred to as 'Glass and Plastic' Parts for the simple reason that both materials were used in the original cars. In short, the windshield was a laminated safety glass while all of the other 'see through' parts were a 'plastic' material.

2. Windshield and rear window: It is my understanding that all of the original Daytona Coupe Cobras utilized identical front windshields which were specifically fabricated for the Daytona. Since fabricating a windshield was not a trivial undertaking, the cars were 'standardized' and were all built to utilze a common size glass; the cars were basically built around the windshield. The rear window was likewise custom fabricated; however, it was not glass but rather a plastic material because of the lighter weight and relative ease of forming.

These drawings are based on reproduction parts made to the original size specifications by one of the best known Cobra restorers in the US. They have restored several of the original Daytona Cobras as well as being the creater of a series of replica Daytonas that are exacting in authenticity and quality.

3. Other parts: Due to the handbuilt nature of these cars, some of the 'plastic' parts appear to differ slightly even between the original six Daytonas. Although 'plastic' was utilized, it is unclear whether the original car's components were made from polycarbonate (I.e Lexan) or acrylic (i.e. Plexiglass). The point is that either material could be more readily made and easily adjusted to fit the subtle differences of a specific Daytona body. Side windows, windshield air deflectors, quarter window air deflectors and headlight covers are parts that need to fit the body differeces.

These drawings detail parts made specifically to fit my replica Daytona Coupe Cobra, which although authentic in shape, size and design also has minor variations which required some adjustment of some parts for best fit.

4. Thoughts about glass and plastic parts sourcing:

Windshield: DOT rated safety glass reproductions of authentic specifcation Daytona Coupe Cobra windshield are currently available. To my knowledge there is no other automotive glass windshield that fits the original Cobra shape and dimensions, nor is there a doner vehicle with glass that can be made to fit by cutting it to a smaller size.

One potential alternative to a DOT windshield is to custom fabricate a windshield from polycarbonate material for cars which, because of intended use, do not need to comply with safety glass requirements. The Daytona windshield is a simple curve and can therefore be formed by simple bending. Polycarbonate (i.e. Lexan) can be easily formed to the correct shape and cut to size. Polycarbonate is often the material of choice for limited production, high performance windshields in a wide variety of race cars, aircraft and boating applications. Polycarbonate is an extremely cost effective solution when compared with DOT glass.

Custion forming of plastic parts, from either polycarbonate or acrylic material, to fit a particular window shape is common. Many companies that specialize in forming windows for custom applications are easily found with some Internet searching.

Alterntively, builders with a 'do it yourself' attitue can fabricate a very capable and inexpensive vacuum forming machine and create their own plastic components. This also has the benefit of creating replacement parts if needed. Again, the Internet has an abundance of information on DIY forming methods.

As time permits, I anticipate adding additional information about making a relatively simple vacuum forming oven suitable for making Cobra parts to my web site.

Date: 3/5/2022

Rev.	Description	Date

Daytona Glass & Plastic
Drawing Registration No. xxx
Name: Sample
Date: March 2022

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GLASS & "PLASTIC" PARTS
DAYTONA COUPE COBRA

Line is 1 inch at full scale (if not 1" scale accordingly)

Scale: NONE

Title: Index, Notes & Legend

Drawing Number: DGP01