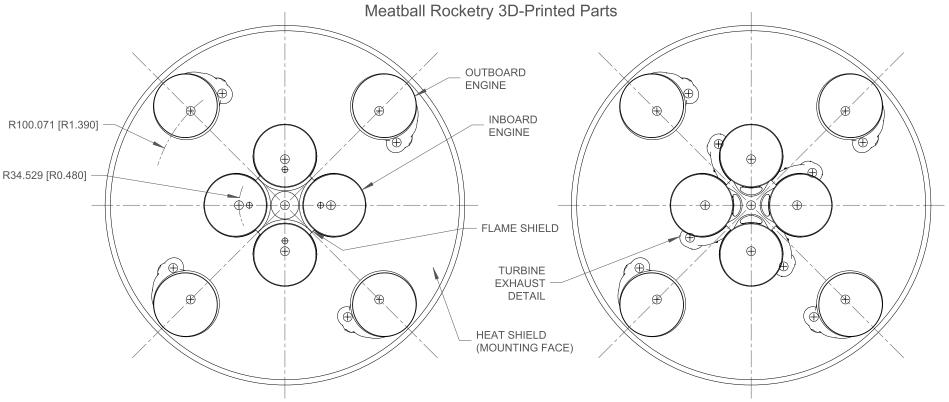
H-1 ENGINE PLACEMENT FOR 1:72 SCALE SATURN I AND IB -- PRINT PDF AT 'ACTUAL SIZE'



EARLY FLAME SHIELD DESIGN (SA-5 - SA-202)

LATER FLAME SHIELD DESIGN (SA-203 - SA-210)

GENERAL INFO:

Engine mounting face is at full-scale STA 51.75 (lower face of heat shield in Block II and Saturn IB vehicles).

Parts have 3/32" studs for assembly. Stud center point derived from intersection of full-scale component's center line and heat shield lower face.

Modelers wanting to mount parts on recessed surfaces can add shims to the tops of parts to maintain position (NOTE: at 1:72 scale, heat shield is 1/32" thick).

Both versions share a common Outboard engine design.

ASSEMBLY OF EARLY VERSION:

Center Flame Shield may need to be installed prior to Inboard engines, though a different assembly order may be possible. Test-fit parts to determine easiest order of assembly. Inboards have additional 1/16" alignment stud.

Attach Outboard engines last.

NOTE: For use in SA-1 thru SA-4, add shims for best scale look (heat shield face at STA 54.0).

ALL DIMENSIONS IN INCHES SHOWN AS 'FULL SCALE [MODEL]'

ASSEMBLY OF LATER VERSION:

Assemble Turbine Exhaust details and Inboard engines, carefully removing sprue.

Center Flame Shield may be installed before or after Inboard engines. Test-fit parts into model to determine easiest order of assembly.

Attach Outboard engines last.

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