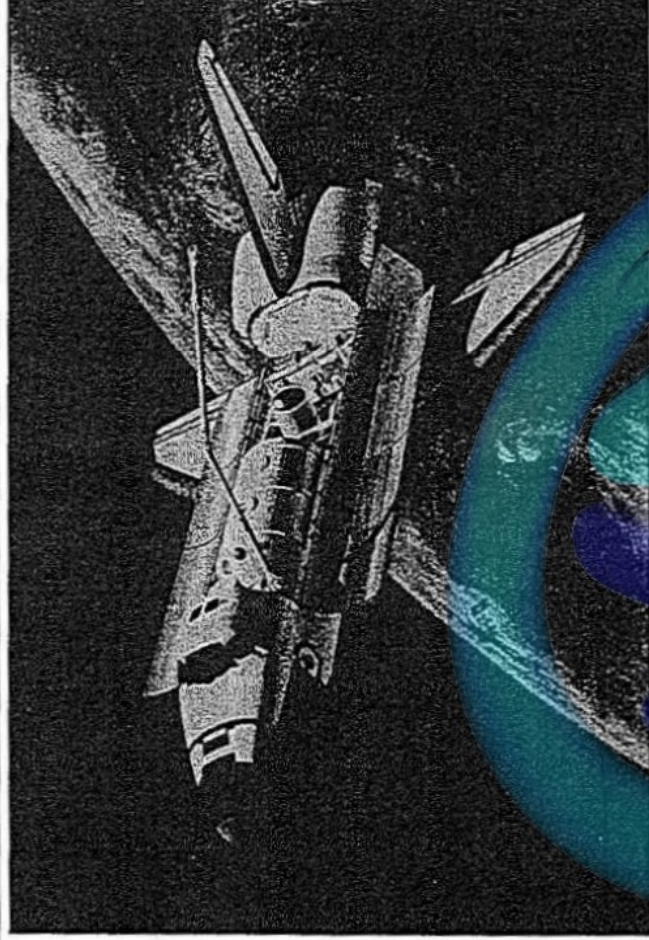




Space Shuttle ATLANTIS (Discovery, Endeavour)

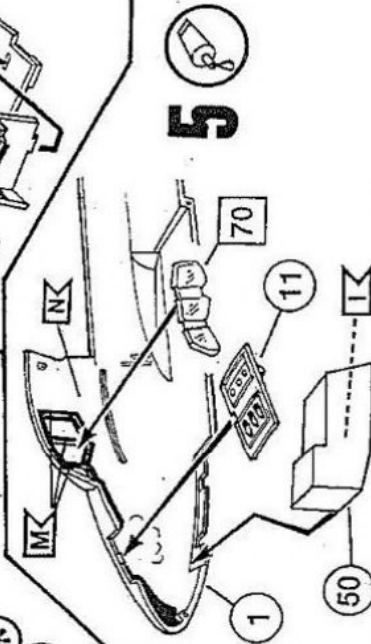
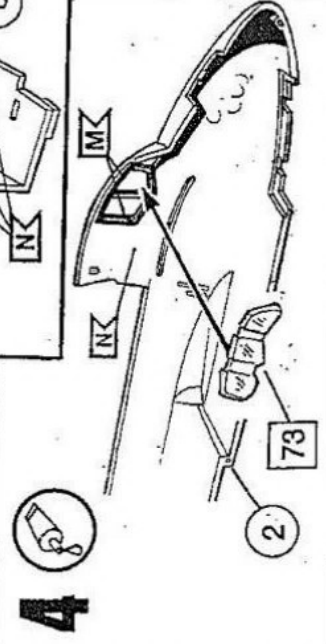
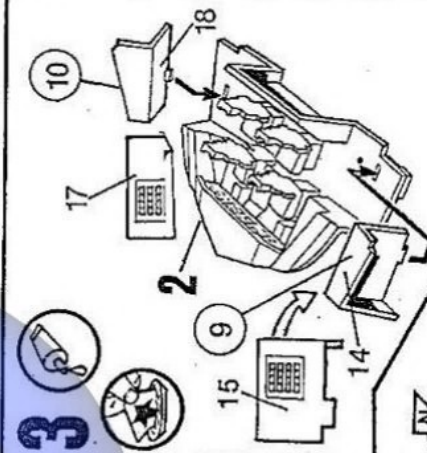
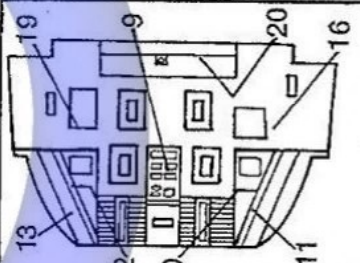
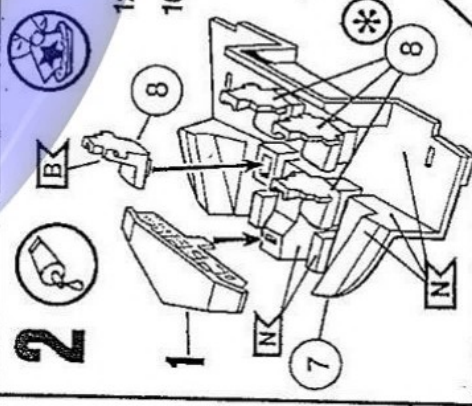
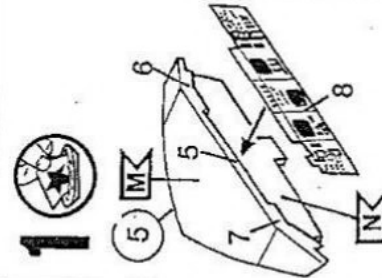
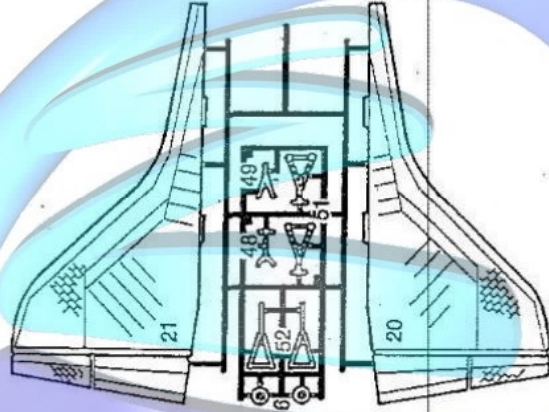
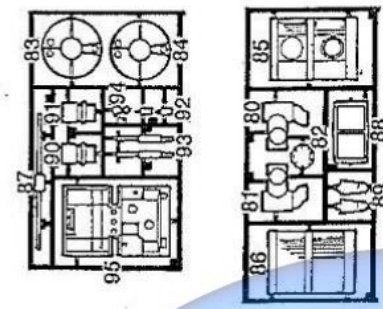
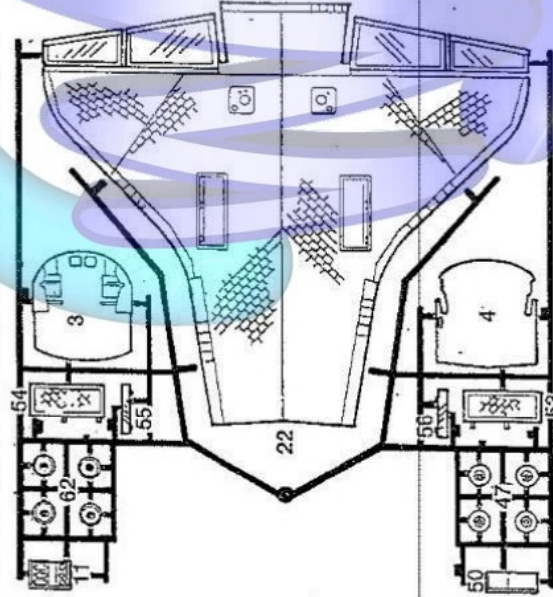
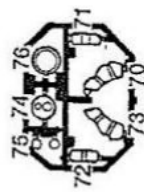
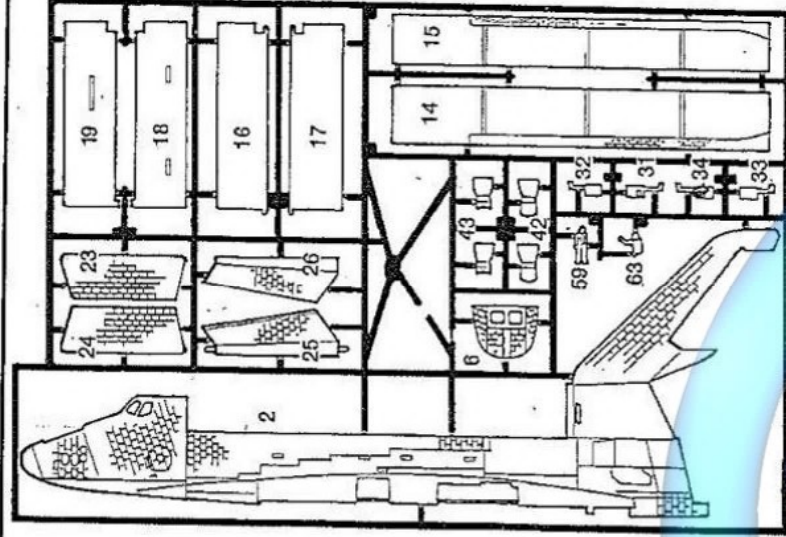
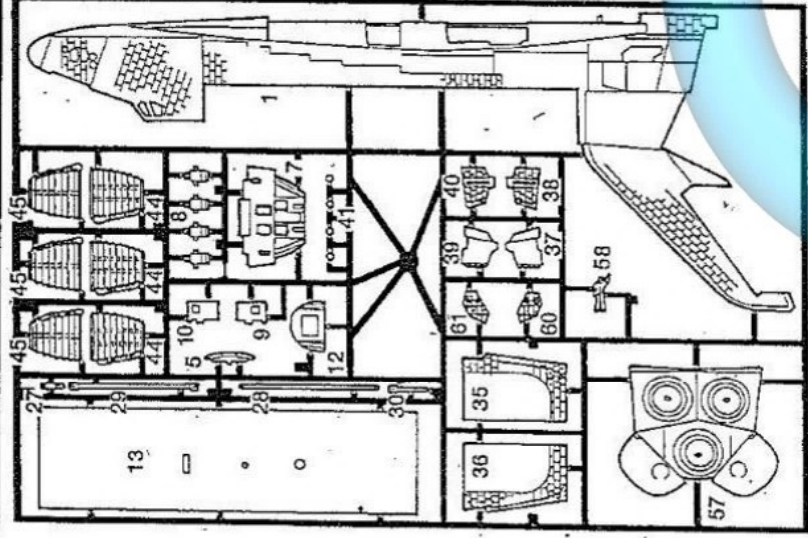
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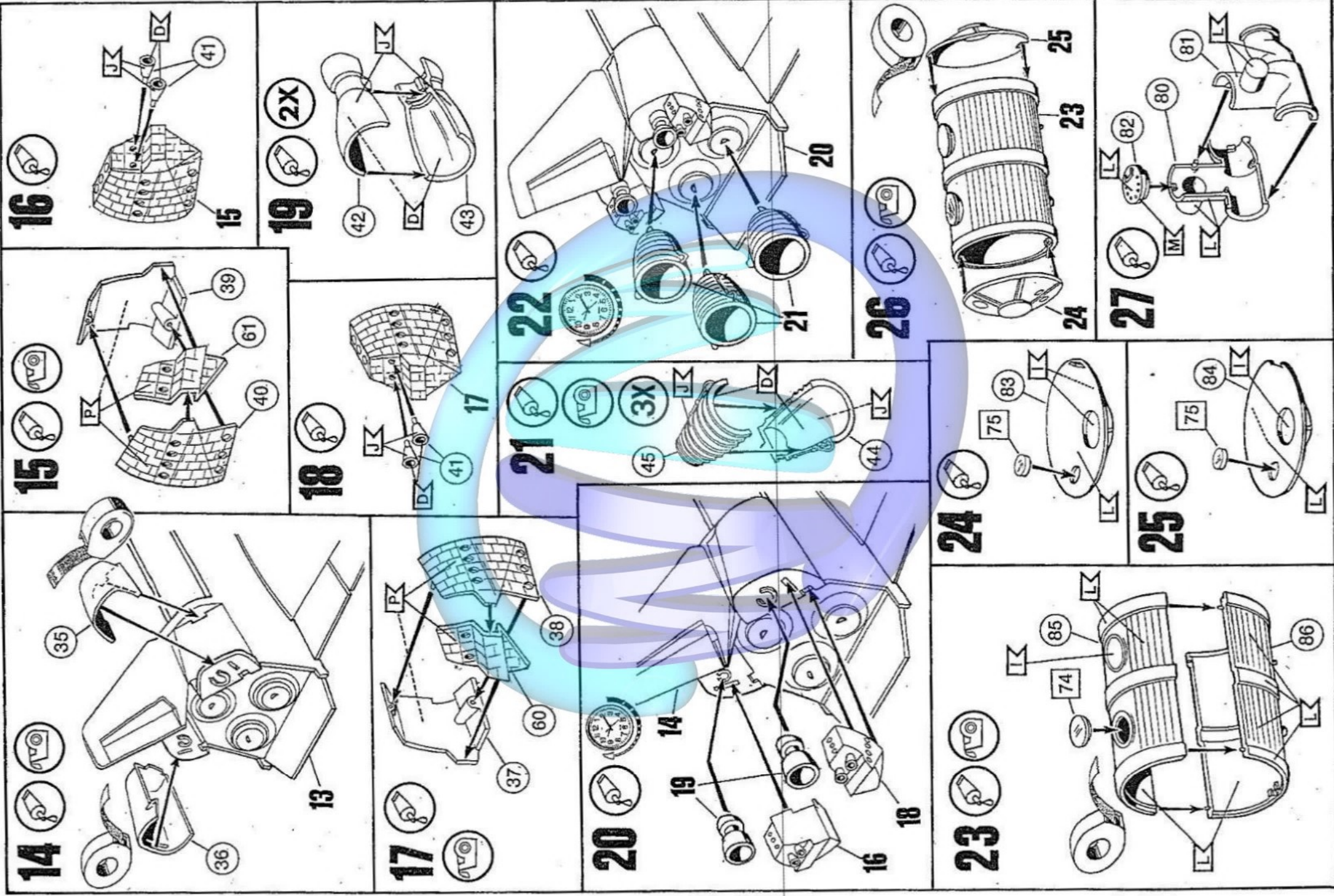
Space Shuttle ATLANTIS (Discovery, Endeavour)

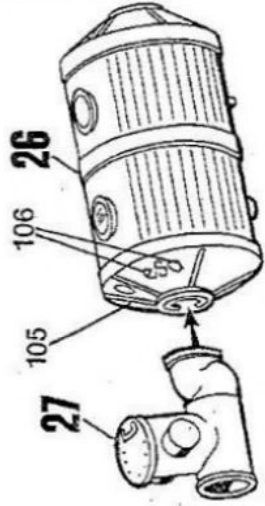
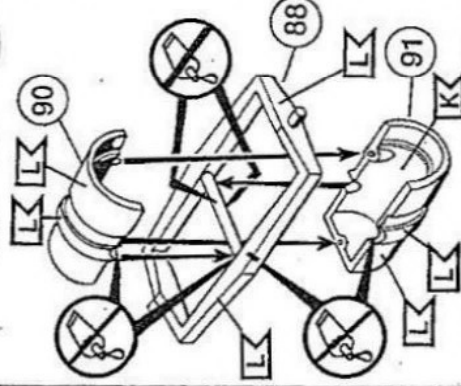
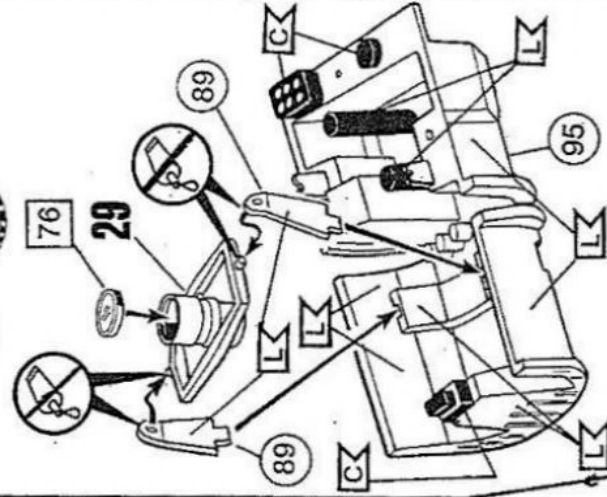
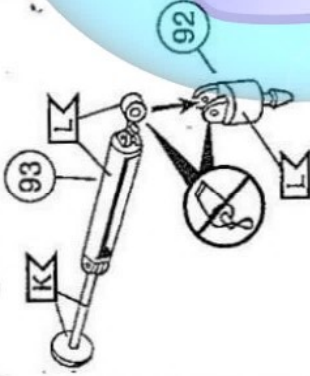
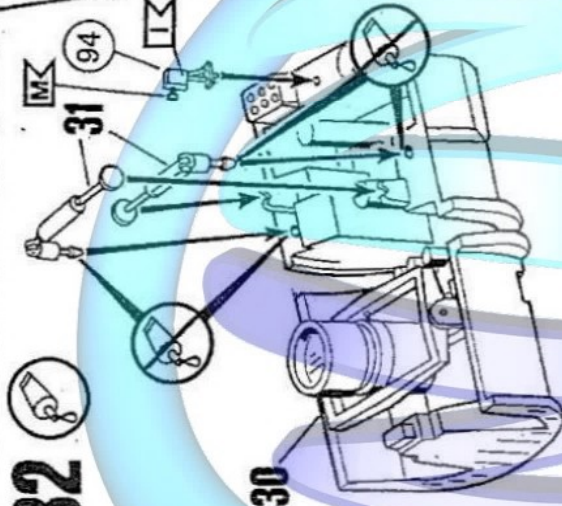
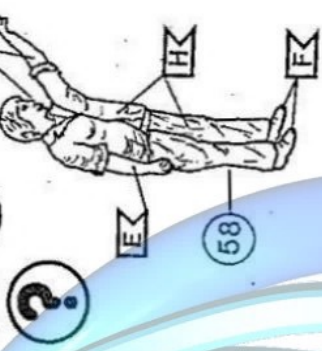
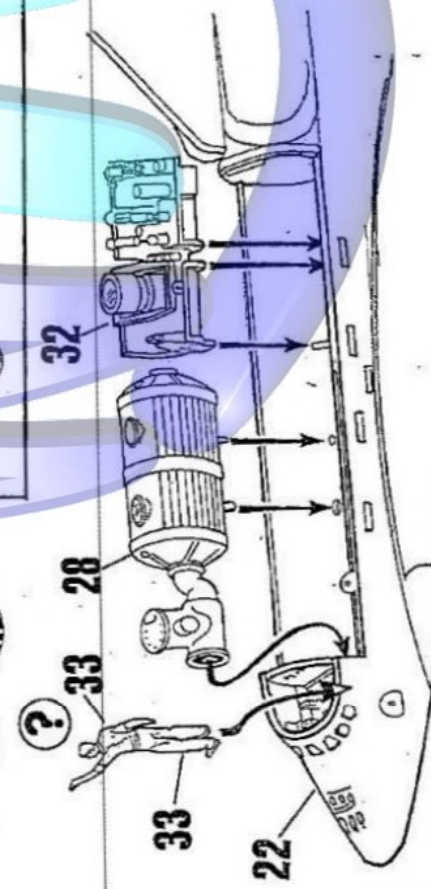
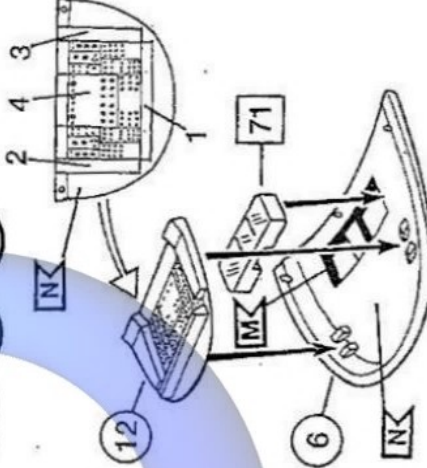
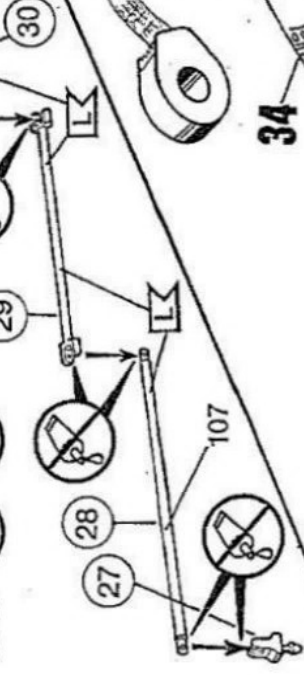
In 1969, NASA, planning for a Space Station began. Traffic reductions in the NASA budget led to a decision by NASA to design an externally reusable system in order to transport personnel and materials into Space. Loaded at retropropulsion, the expected savings in cost compared with the use of single use rockets has not materialized. One launch of the Space Shuttle costs around 500 Million US Dollars at today's prices. Estimatable however is the process made in manned space travel.

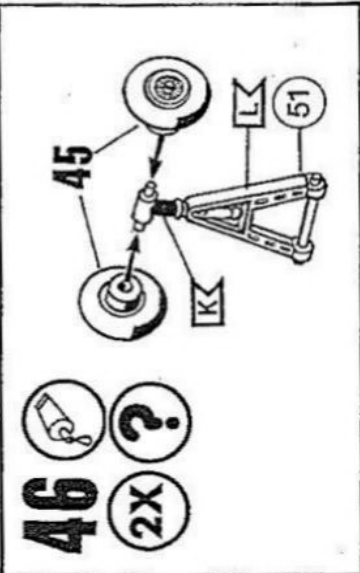
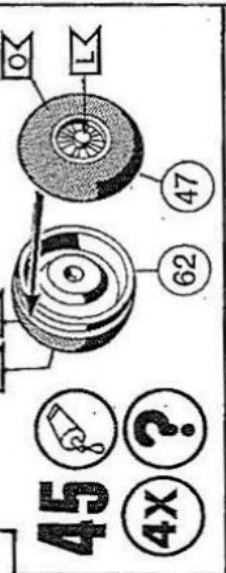
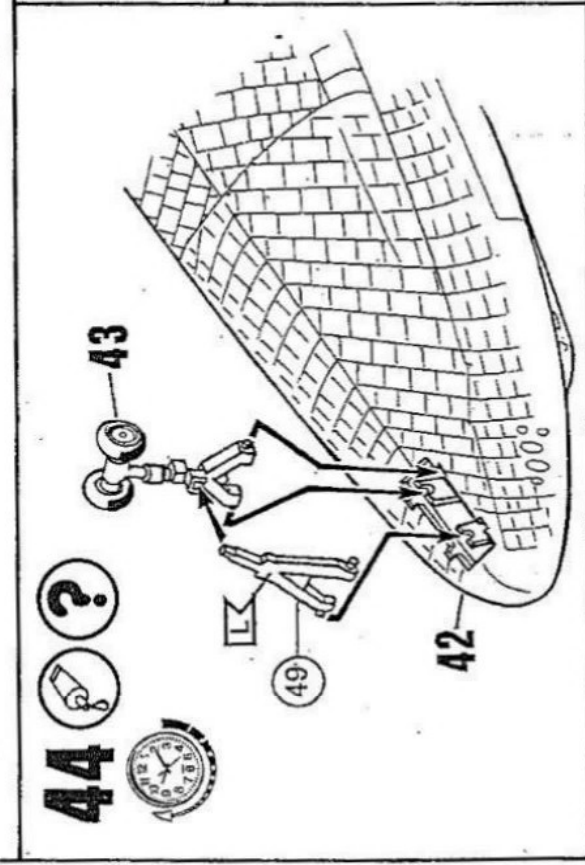
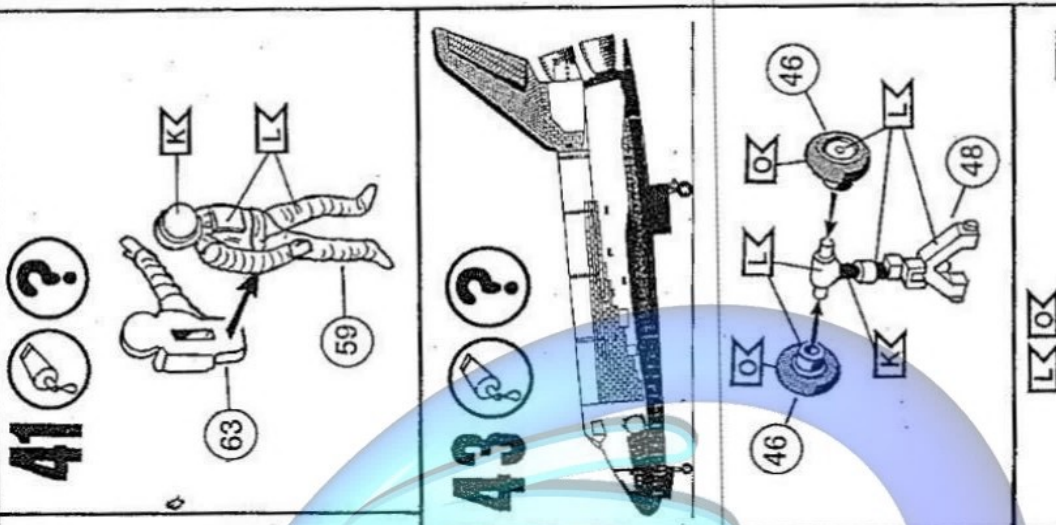
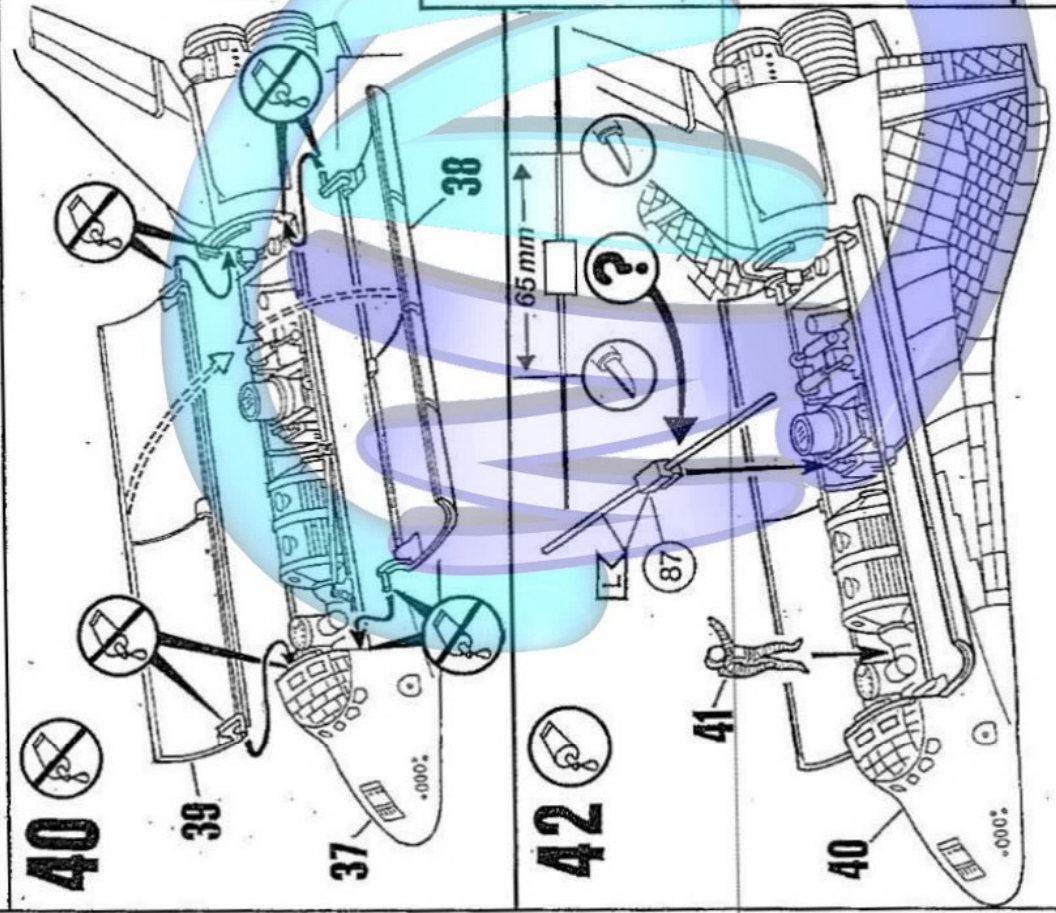
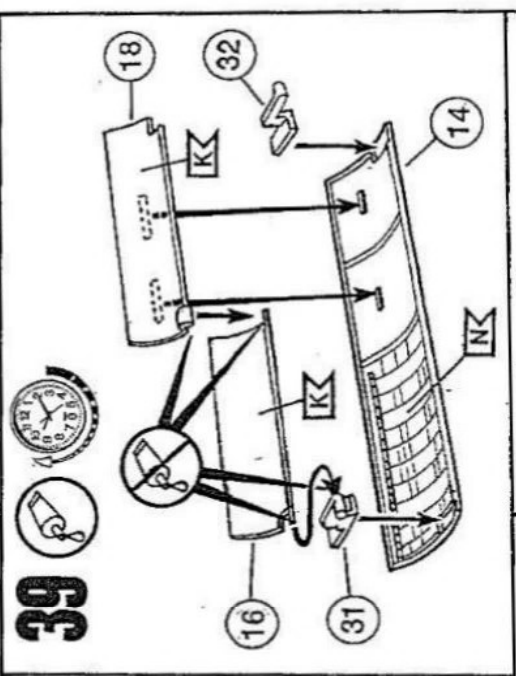
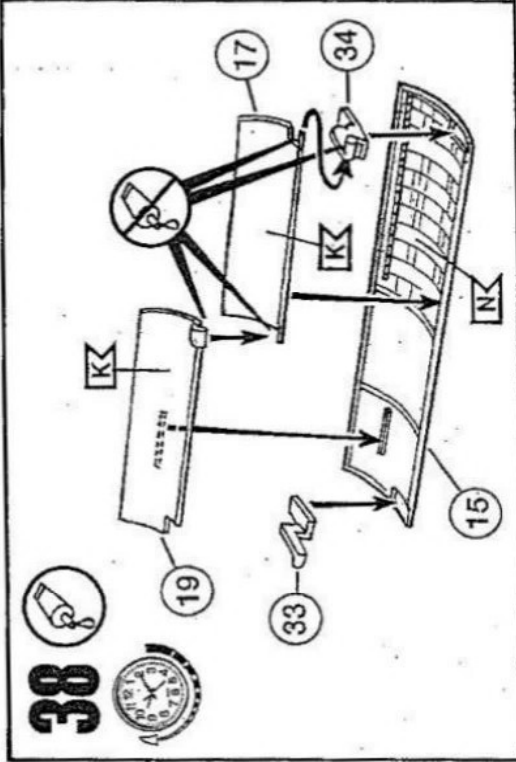
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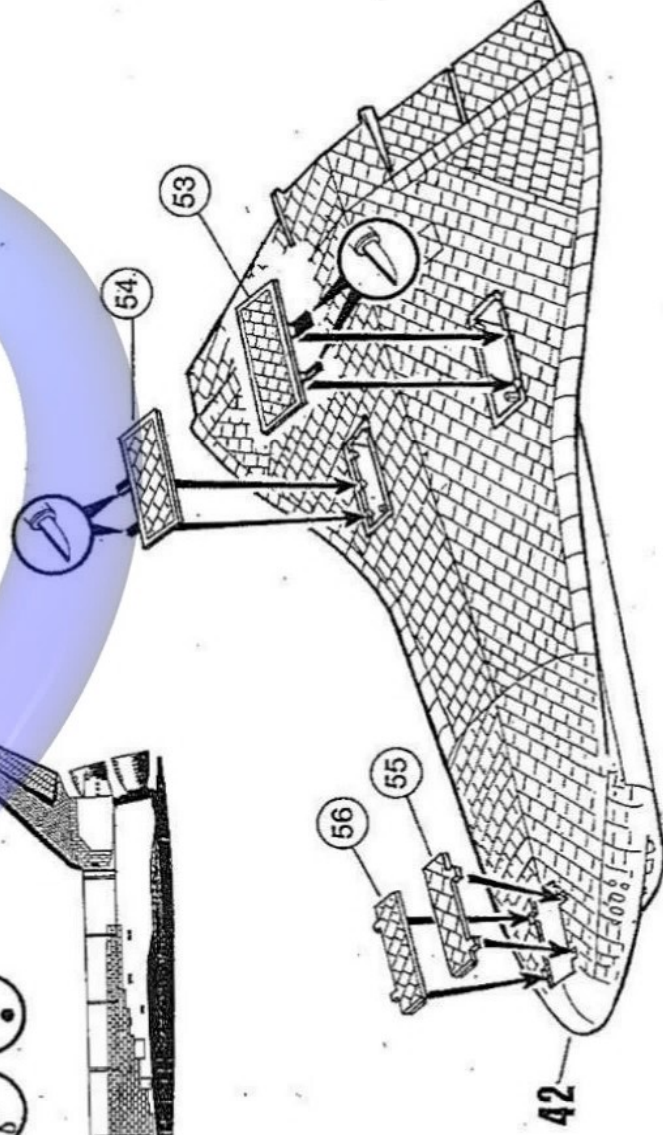
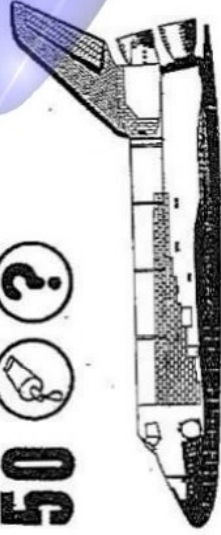
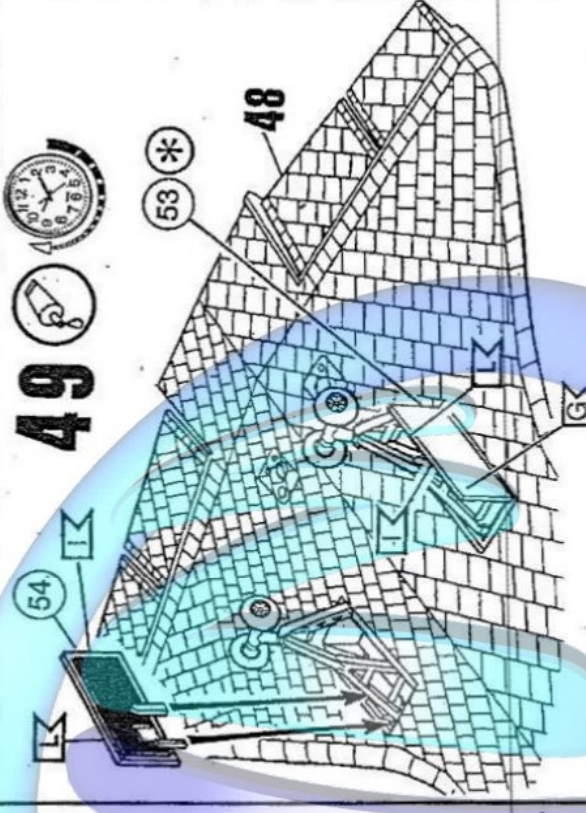
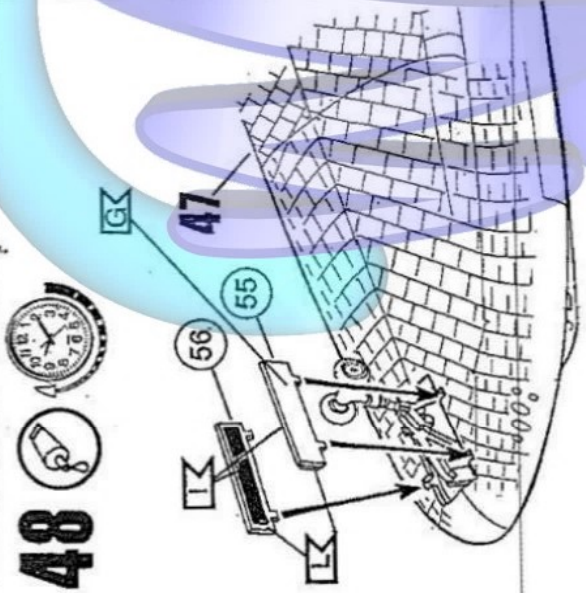
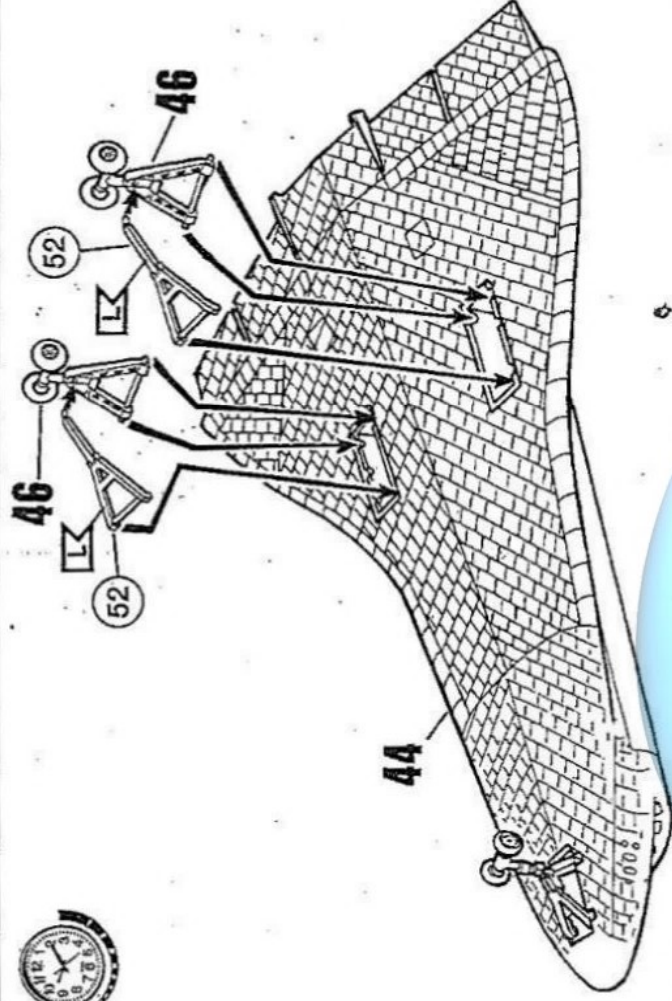
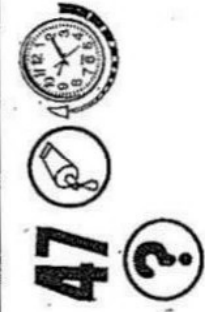
Technical Data:	
Crew	8 Astronauts max.
Capacity	172 m (562 ft)
Height	37.24 m (122 ft 2 in)
Length	21.79 m (71 ft 6 in)
Wing Area	2,035 sqm (2,040 sq ft)
Wing Span	5.20 m (17 ft 1 in)
Fuel/Gas Weight	18.18 m (59,490 lb)
Launch Wt.	10,180 m (33,580 lb)
Empty Weight:	
Payload	25.4 tons (max), 16.4 t (for ISS)
Launch Weight max:	68 tons
Main Engines	25.4 tons (max), 16.4 t (for ISS)
Braze Chute Diameter:	109 tons
	3 x 234 tons Thrust
	15 tons
	32 m (105 ft) dia





**28****29****30****31****32****33****34****35****36****37**

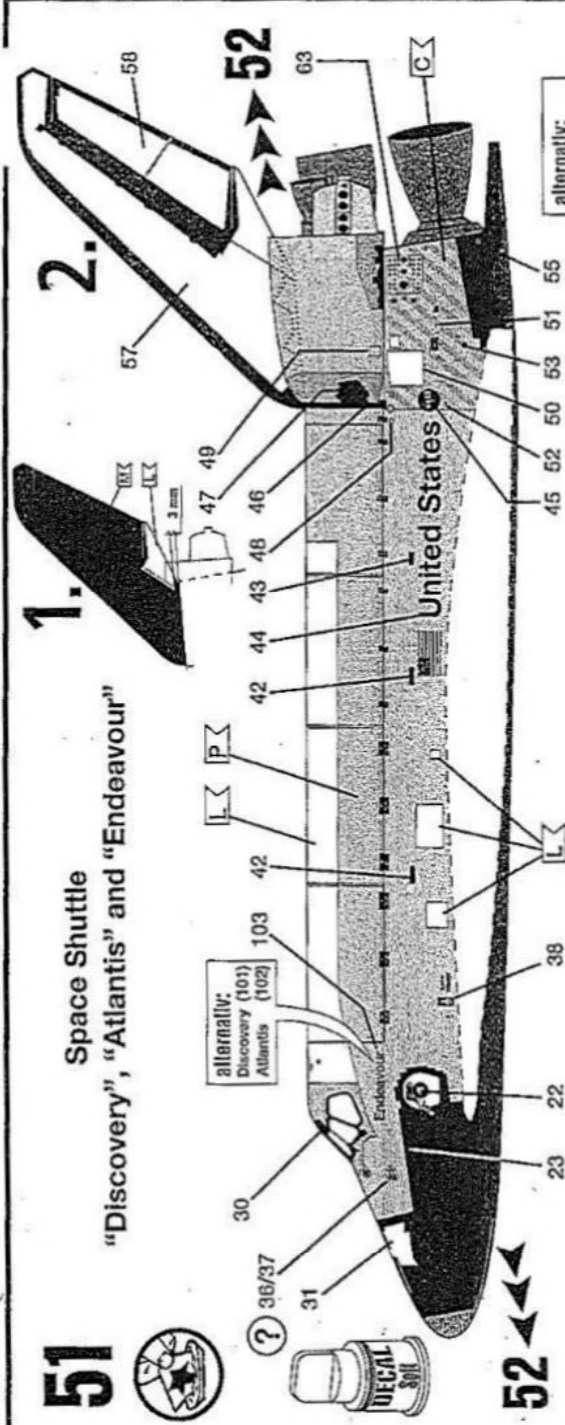




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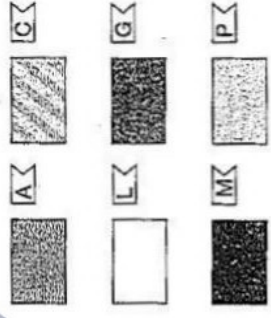
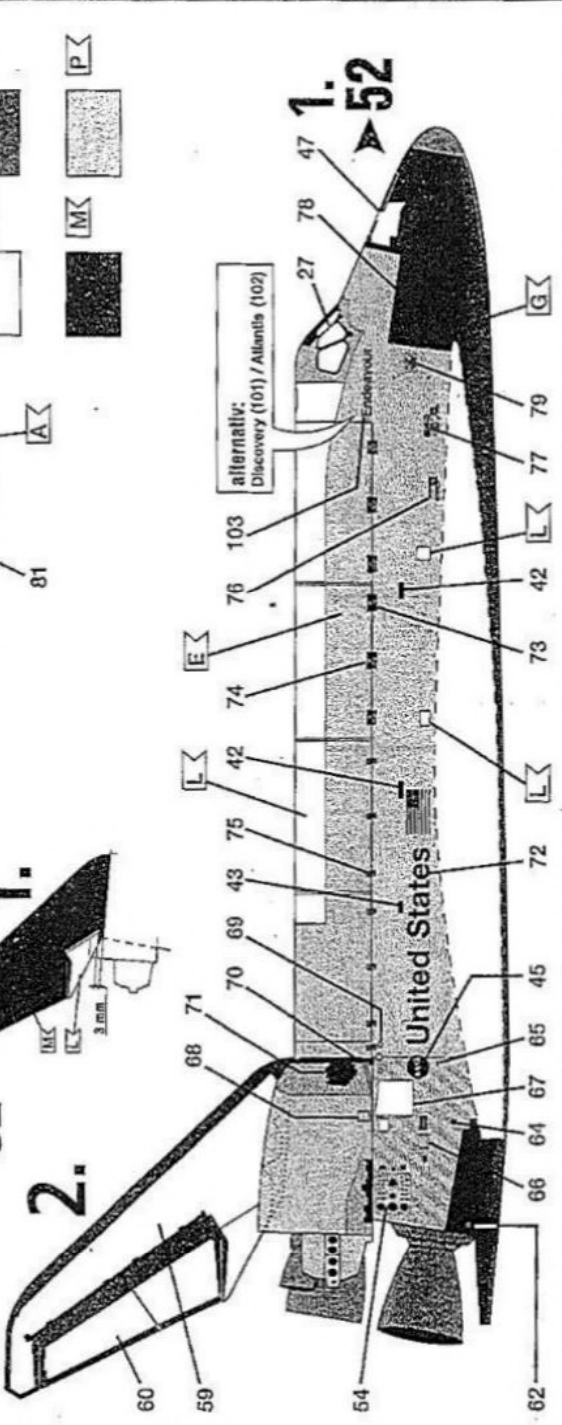
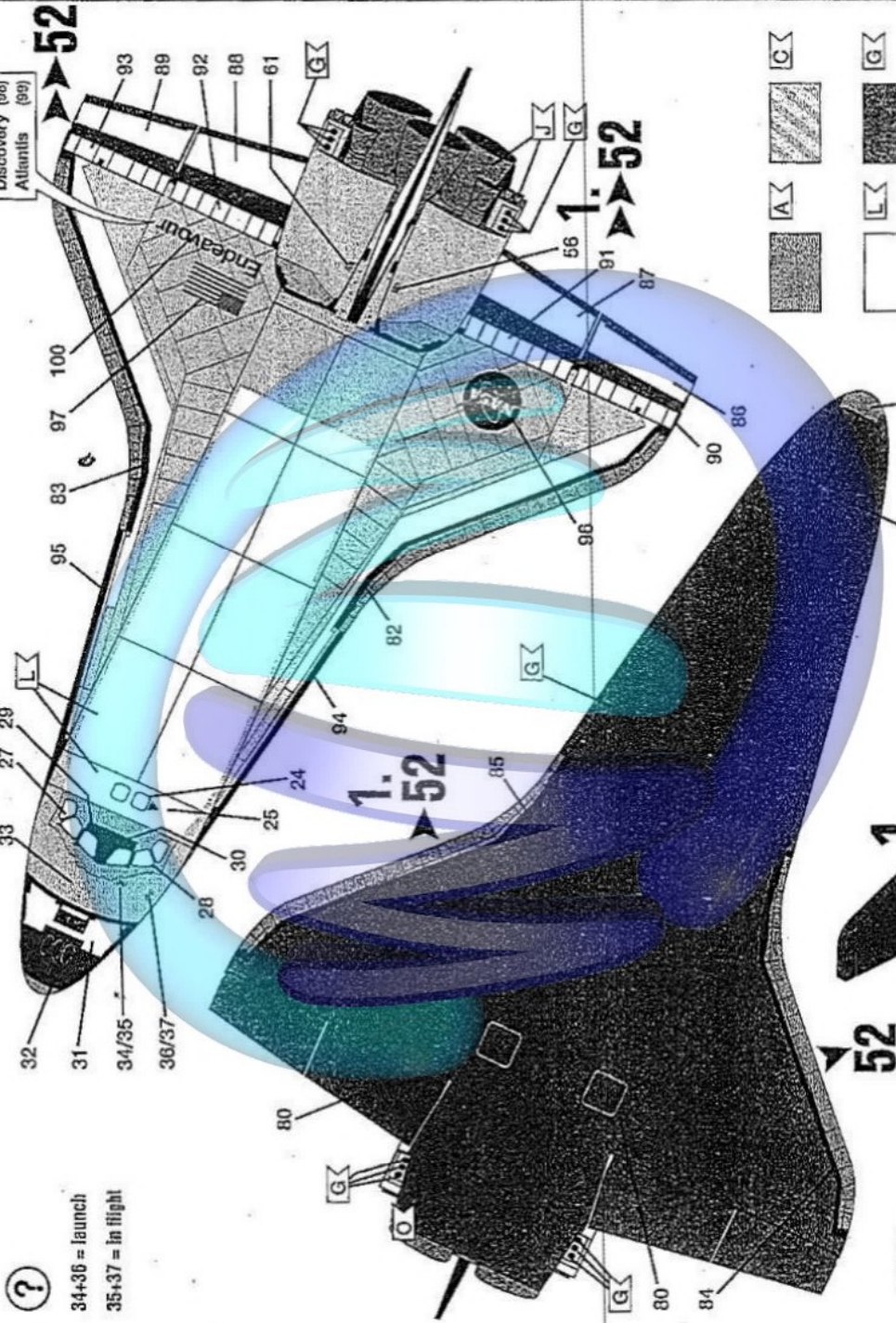


Space Shuttle "Discovery", "Atlantis" and "Endeavour"



?

34+36 = launch
35+37 = in flight



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