



1  
00:00:01,480 --> 00:00:03,760

The most hazardous part of the deservicing

2  
00:00:03,760 --> 00:00:06,220

is the draining of the monomethylhydrazine fuel

3  
00:00:06,220 --> 00:00:08,660

from the orbiter's rockets and thrusters.

4  
00:00:12,040 --> 00:00:14,700

This procedure is commonly called SCAPE.

5  
00:00:15,100 --> 00:00:16,600

An acronym for the Self-Contained

6  
00:00:16,600 --> 00:00:18,920

Atmospheric Protective Equipment

7  
00:00:18,920 --> 00:00:20,820

that the technicians must wear.

8  
00:00:21,780 --> 00:00:24,620

It is a lengthy process mandated by safety

9  
00:00:24,620 --> 00:00:26,380

requirements due to the highly toxic

10  
00:00:26,380 --> 00:00:28,000

nature of the fuel.

11  
00:00:28,960 --> 00:00:30,440

Once SCAPE is complete,

12  
00:00:30,440 --> 00:00:32,200

the aft engine area is prepared

13  
00:00:32,200 --> 00:00:35,060

for installation of the aerodynamic tail cone,

14

00:00:37,560 --> 00:00:39,280

This 10,000 pound fairing is

15

00:00:39,290 --> 00:00:41,140

mounted over the main engine nozzles

16

00:00:41,140 --> 00:00:44,140

to help reduce drag during the ferry flight.

17

00:00:45,660 --> 00:00:47,500

Once the tail cone is in place

18

00:00:47,500 --> 00:00:49,760

the orbiters body flap is raised to fit

19

00:00:49,760 --> 00:00:51,800

flush against the tail cones bottom

20

00:00:52,540 --> 00:00:55,340

and the landing gear is raised and locked into place.