



1
00:00:14,390 --> 00:00:01,350
and i think that's good you can stop

2
00:00:18,390 --> 00:00:16,470
first limb on the south pacific in view

3
00:00:20,150 --> 00:00:18,400
as uh

4
00:00:22,470 --> 00:00:20,160
robotic arm operator don pettit

5
00:00:33,030 --> 00:00:22,480
continues to move

6
00:00:37,510 --> 00:00:35,750
this nitrogen tank assembly removal

7
00:00:39,590 --> 00:00:37,520
and delivery to the space station's

8
00:00:41,110 --> 00:00:39,600
cargo carrier in the payload bay the

9
00:00:50,069 --> 00:00:41,120
first

10
00:00:54,790 --> 00:00:52,229
okay how you can bring it down

11
00:00:59,029 --> 00:00:54,800
stop motion sandy okay we're stopping

12
00:01:00,869 --> 00:00:59,039
okay let me put the other end in

13
00:01:03,590 --> 00:01:00,879

i think we had a grease gun

14

00:01:17,990 --> 00:01:03,600

explode in the chat in the large bag

15

00:01:22,070 --> 00:01:20,469

um we have a law school

16

00:01:26,710 --> 00:01:22,080

the uh

17

00:01:34,230 --> 00:01:26,720

crew outsides was not transferred in

18

00:01:34,240 --> 00:01:38,830

okay heidi crew lock bag

19

00:01:45,429 --> 00:01:41,510

yeah yeah we see it

20

00:01:47,030 --> 00:01:45,439

this is a view of that bag as

21

00:01:48,789 --> 00:01:47,040

space station cameras and shuttle

22

00:01:50,469 --> 00:01:48,799

cameras are tracking as it drifts away

23

00:01:52,950 --> 00:01:50,479

from the space station

24

00:01:54,950 --> 00:01:52,960

there are duplicate pieces of hardware

25

00:01:57,030 --> 00:01:54,960

and steve bowen's bag that the crew can

26

00:01:59,270 --> 00:01:57,040

use as they continue to work on the

27

00:02:02,469 --> 00:01:59,280

solar alpha rotary joint this is a view

28

00:02:04,789 --> 00:02:02,479

from steve bones camera as he watches

29

00:02:06,310 --> 00:02:04,799

heidi's definition piper begin to work

30

00:02:08,790 --> 00:02:06,320

into getting that

31

00:02:11,190 --> 00:02:08,800

lubrication gun with a j shaped nozzle

32

00:02:13,750 --> 00:02:11,200

on it so she can begin lubricating the

33

00:02:15,910 --> 00:02:13,760

the canted or slanted surface of the

34

00:02:17,750 --> 00:02:15,920

race ring

35

00:02:20,229 --> 00:02:17,760

this particular view taking a look at

36

00:02:22,470 --> 00:02:20,239

this definition piper's helmet camera

37

00:02:24,150 --> 00:02:22,480

she is putting back on one of the

38

00:02:26,390 --> 00:02:24,160

trundle bearing assembly covers that was

39

00:02:28,390 --> 00:02:26,400

removed to facilitate replacement of the

40

00:02:41,030 --> 00:02:28,400

tba

41

00:02:44,869 --> 00:02:42,470

owens replacing the covers that he

42

00:02:46,550 --> 00:02:44,879

removed to get to the

43

00:02:48,550 --> 00:02:46,560

trundle bearing assembly that he

44

00:02:51,589 --> 00:02:48,560

replaced earlier and

45

00:02:55,110 --> 00:02:51,599

also to the race ring that he cleaned

46

00:02:57,589 --> 00:02:55,120

finishing up his test for the eva

47

00:03:00,470 --> 00:02:57,599

see here the hatch opening on the

48

00:03:01,910 --> 00:03:00,480

quest airlock between the

49

00:03:03,670 --> 00:03:01,920

equipment lock and the crew lock getting

50

00:03:05,350 --> 00:03:03,680

ready to let

51
00:03:07,910 --> 00:03:05,360
mission specialist heidi's definition

52
00:03:09,670 --> 00:03:07,920
piper and steve bowen back inside the

53
00:03:11,030 --> 00:03:09,680
international space station after a six

54
00:03:17,430 --> 00:03:11,040
hour and fifty two minute long space

55
00:03:20,309 --> 00:03:19,030
mission specialist heidi's definition

56
00:03:22,710 --> 00:03:20,319
piper

57
00:03:25,110 --> 00:03:22,720
cleaning off her gloves making sure to

58
00:03:28,309 --> 00:03:25,120
get off any of the brake coat grease

59
00:03:30,149 --> 00:03:28,319
that she was using to lubricate the