



1  
00:00:07,269 --> 00:00:04,470  
us eva 27 will start from the quest

2  
00:00:13,589 --> 00:00:07,279  
airlock reed wiseman ev1 wearing a suit

3  
00:00:21,109 --> 00:00:16,230  
alexander gersht ev2 wearing a plain

4  
00:00:26,470 --> 00:00:24,390  
and then after completing buddy checks

5  
00:00:29,189 --> 00:00:26,480  
alex will head to the starboard cedar

6  
00:00:36,389 --> 00:00:29,199  
cart to temp stow the mtra bags for

7  
00:00:45,430 --> 00:00:39,270  
reed will translate to esp2 to prepare

8  
00:00:45,440 --> 00:00:51,270  
he will tempt stow bags

9  
00:01:03,830 --> 00:00:53,110  
and then open the thermal blanket to

10  
00:01:08,310 --> 00:01:05,590  
meanwhile alex will translate to the

11  
00:01:20,390 --> 00:01:08,320  
port cedar cart to retrieve the apfr or

12  
00:01:24,630 --> 00:01:22,630  
which he will translate to the ssrms

13  
00:01:25,469 --> 00:01:24,640

installation location

14

00:01:36,069 --> 00:01:25,479

on

15

00:01:38,870 --> 00:01:36,079

the arm

16

00:01:46,789 --> 00:01:38,880

swap his safety tether

17

00:02:00,149 --> 00:01:48,630

at this point reed will translate to the

18

00:02:20,390 --> 00:02:02,550

and move them to the mtra worksite to

19

00:02:27,670 --> 00:02:22,949

there are two bags one contains the mtra

20

00:02:33,910 --> 00:02:29,430

and the second bag contains the four

21

00:02:38,309 --> 00:02:37,350

then ev1 will translate to ev2's safety

22

00:02:45,750 --> 00:02:38,319

tether

23

00:02:49,750 --> 00:02:47,589

alex rides the arm which is flown by

24

00:02:51,509 --> 00:02:49,760

butch wilmore to the poa to retrieve the

25

00:02:53,350 --> 00:02:51,519

pump module

26  
00:02:54,869 --> 00:02:53,360  
the poa is a robotically controlled

27  
00:03:02,630 --> 00:02:54,879  
sewage site that we placed the pump

28  
00:03:08,070 --> 00:03:04,550  
during the arm maneuver alex will rotate

29  
00:03:11,430 --> 00:03:08,080  
the pump module 180 degrees to get it to

30  
00:03:13,030 --> 00:03:11,440  
the correct installation orientation

31  
00:03:21,509 --> 00:03:13,040  
and please note that the arm maneuver

32  
00:03:26,390 --> 00:03:23,910  
reed will help guide butch and alex to

33  
00:03:35,990 --> 00:03:26,400  
install the pump module partially onto

34  
00:03:40,550 --> 00:03:37,670  
he will then remove the adjustable

35  
00:03:48,149 --> 00:03:40,560  
grapple bar or agb from the pump module

36  
00:03:52,470 --> 00:03:49,990  
and the crew will complete the final

37  
00:03:54,390 --> 00:03:52,480  
installation of the pump module

38  
00:04:01,350 --> 00:03:54,400

and then we'll use the pgt to drive the

39

00:04:06,070 --> 00:04:02,710

at this point the ev crew worked

40

00:04:11,429 --> 00:04:06,080

together to stow the agb on a spare oru

41

00:04:16,469 --> 00:04:14,630

and the agb is the method that

42

00:04:19,430 --> 00:04:16,479

was able to attach the pump module to

43

00:04:28,870 --> 00:04:19,440

the poa for that long

44

00:04:33,189 --> 00:04:30,870

and while the arm flies alex toward his

45

00:04:35,510 --> 00:04:33,199

next task reed will clean up the pump

46

00:04:43,430 --> 00:04:35,520

module work site including closing the

47

00:04:52,550 --> 00:04:45,830

alex is flown to camera port 13 which is

48

00:04:57,909 --> 00:04:54,550

he will first lock the camera pan and

49

00:04:57,919 --> 00:05:11,990

and then remove the failed light

50

00:05:22,390 --> 00:05:14,310

ev2 will retrieve the spare light from

51  
00:05:31,510 --> 00:05:24,390  
install it with a single bolt and the

52  
00:05:38,230 --> 00:05:33,909  
alex will then retrieve the handling aid

53  
00:05:43,830 --> 00:05:40,070  
and then he will unlock the pan and tilt

54  
00:05:46,070 --> 00:05:43,840  
unit prior to you leaving the work site

55  
00:05:53,430 --> 00:05:46,080  
during this time ev1 returns the pump

56  
00:06:10,950 --> 00:05:55,990  
and proceeds to translate to the mtra

57  
00:06:17,189 --> 00:06:13,510  
the mtra worksite is on the zenith side

58  
00:06:23,749 --> 00:06:21,510  
when read begin gets into position

59  
00:06:26,870 --> 00:06:23,759  
he will remove the dead face connector

60  
00:06:30,710 --> 00:06:26,880  
that has protected the camera port

61  
00:06:38,950 --> 00:06:33,510  
then he will install the empty array

62  
00:06:42,070 --> 00:06:40,790  
read will gather the red yellow cable

63  
00:06:45,909 --> 00:06:42,080

set

64

00:06:48,390 --> 00:06:45,919

and attach one end to the mtra box

65

00:06:50,469 --> 00:06:48,400

then route and mate the yellow

66

00:06:52,550 --> 00:06:50,479

connector

67

00:06:53,670 --> 00:06:52,560

and continue down the port side of the

68

00:06:56,230 --> 00:06:53,680

mt

69

00:07:08,469 --> 00:06:56,240

to the nader empty location to meet the

70

00:07:15,749 --> 00:07:11,430

alex will fly back to esp2 to clean up

71

00:07:15,759 --> 00:07:22,390

including a safety tether swap

72

00:07:22,400 --> 00:07:32,070

and removal of the apfr

73

00:07:39,110 --> 00:07:35,270

he then releases the ssrms from support

74

00:07:42,150 --> 00:07:40,710

and he will translate back to the

75

00:07:44,550 --> 00:07:42,160

airlock

76

00:07:48,950 --> 00:07:44,560

to stow the failed light inside the

77

00:08:00,390 --> 00:07:52,150

alex then translate to the mtra worksite

78

00:08:06,629 --> 00:08:02,950

ev2 will work the starboard side of the

79

00:08:12,950 --> 00:08:06,639

mtra where ev1 worked the port

80

00:08:12,960 --> 00:08:21,110

and made the connectors to the mtra

81

00:08:24,869 --> 00:08:22,550

you will route the cables down the

82

00:08:31,350 --> 00:08:24,879

starboard side of the mt

83

00:08:37,990 --> 00:08:33,509

and then hand off the blue connection

84

00:08:42,469 --> 00:08:39,750

the crew will then translate back to the

85

00:08:44,949 --> 00:08:42,479

zenith side of the mt making to sure to

86

00:08:52,790 --> 00:08:44,959

secure all their wire ties to keep the

87

00:08:55,509 --> 00:08:54,550

at this point they will clean up their

88

00:09:01,269 --> 00:08:55,519

bags