



1
00:00:11,690 --> 00:00:08,089
hi my name is John Werth and this is

2
00:00:14,539 --> 00:00:11,700
your building curiosity update I am the

3
00:00:16,849 --> 00:00:14,549
MSL at low electrical lead which means

4
00:00:19,010 --> 00:00:16,859
I'm the head Sparky Sparky means we do

5
00:00:20,510 --> 00:00:19,020
all the electrical integration we verify

6
00:00:23,269 --> 00:00:20,520
that the connectors are made incorrectly

7
00:00:25,160 --> 00:00:23,279
we do all that kind of stuff we're asked

8
00:00:27,769 --> 00:00:25,170
quite often why we have to hook up our

9
00:00:29,779 --> 00:00:27,779
wire to this ground lug and what this

10
00:00:32,569 --> 00:00:29,789
does is this leads off electrical charge

11
00:00:34,819 --> 00:00:32,579
on our body to the earth the rover has

12
00:00:36,680 --> 00:00:34,829
sensitive electronics in it so if we got

13
00:00:38,930 --> 00:00:36,690

close with a charge it might damage it

14

00:00:42,020 --> 00:00:38,940

this just ensures that we're down to a

15

00:00:43,549 --> 00:00:42,030

zero charge when we work on the rover so

16

00:00:45,740 --> 00:00:43,559

what we're doing today is we're getting

17

00:00:47,420 --> 00:00:45,750

ready for system tests we load some

18

00:00:49,970 --> 00:00:47,430

flight software which is the brain

19

00:00:51,889 --> 00:00:49,980

software in your brain trying to tell

20

00:00:54,500 --> 00:00:51,899

this thing that hey I'm gonna simulate

21

00:00:57,439 --> 00:00:54,510

going through launch cruise EDL and

22

00:00:59,150 --> 00:00:57,449

surface operations so what the guys are

23

00:01:01,310 --> 00:00:59,160

doing now is they're electrically

24

00:01:03,680 --> 00:01:01,320

connecting up each of the vehicles

25

00:01:07,010 --> 00:01:03,690

together so it thinks it's mechanically

26
00:01:09,170 --> 00:01:07,020
hooked together which tells the rover or

27
00:01:10,910 --> 00:01:09,180
makes the rover think that it's going to

28
00:01:13,880 --> 00:01:10,920
go through all its mission phases to

29
00:01:16,580 --> 00:01:13,890
ensure the flight software and the

30
00:01:19,880 --> 00:01:16,590
electronics will actually work when we

31
00:01:23,450 --> 00:01:19,890
get to Mars we're one year away from

32
00:01:24,830 --> 00:01:23,460
launch and so right now is a real busy

33
00:01:26,390 --> 00:01:24,840
time for us because we're trying to

34
00:01:29,420 --> 00:01:26,400
prepare the hardware to get going to

35
00:01:31,190 --> 00:01:29,430
Florida next year so right now everybody

36
00:01:32,600 --> 00:01:31,200
can actually see the light at the end of

37
00:01:34,940 --> 00:01:32,610
the tunnel because we're getting close

38
00:01:36,950 --> 00:01:34,950

to to launch so everybody's excited

39

00:01:38,840 --> 00:01:36,960

about making things happen right now