



1
00:00:10,759 --> 00:00:08,990
hi I'm Ben Toma the mechanical lead for

2
00:00:13,390 --> 00:00:10,769
the assembly test and launch operations

3
00:00:15,709 --> 00:00:13,400
of the Mars Science Laboratory project

4
00:00:18,650 --> 00:00:15,719
we've already sent the heat shield the

5
00:00:20,210 --> 00:00:18,660
backshell and the crew stage on this

6
00:00:22,250 --> 00:00:20,220
trip we're sending the descent stage and

7
00:00:24,710 --> 00:00:22,260
of course the Curiosity rover herself

8
00:00:26,779 --> 00:00:24,720
there's an enormous amount of logistics

9
00:00:28,040 --> 00:00:26,789
involved in planning such an operation

10
00:00:30,259 --> 00:00:28,050
when you're talking about moving an

11
00:00:32,269 --> 00:00:30,269
entire spacecraft along with all of its

12
00:00:34,670 --> 00:00:32,279
support equipment literally across the

13
00:00:37,720 --> 00:00:34,680

country it takes months and months of

14

00:00:40,130 --> 00:00:37,730

planning and weeks and weeks to execute

15

00:00:42,470 --> 00:00:40,140

curiosity's flipped upside down for a

16

00:00:44,119 --> 00:00:42,480

ride to Kennedy Space Center in the same

17

00:00:47,090 --> 00:00:44,129

orientation that it'll be for launch in

18

00:00:49,610 --> 00:00:47,100

this orientation we carefully wrap

19

00:00:52,430 --> 00:00:49,620

curiosity and a big huge bag that bag

20

00:00:54,680 --> 00:00:52,440

acts not only as a Faraday cage but it

21

00:00:56,959 --> 00:00:54,690

keeps curiosity clean for her journey to

22

00:00:59,240 --> 00:00:56,969

Florida when she's all bagged up and

23

00:01:01,459 --> 00:00:59,250

ready we have many engineers and many

24

00:01:04,700 --> 00:01:01,469

technicians gathered around and safely

25

00:01:06,649 --> 00:01:04,710

lift curiosity up and down into a

26

00:01:08,300 --> 00:01:06,659

shipping container base will lift a big

27

00:01:09,890 --> 00:01:08,310

lid on top of that shipping containers

28

00:01:12,170 --> 00:01:09,900

it's that shipping container that is

29

00:01:14,270 --> 00:01:12,180

then used a transporter across the roads

30

00:01:16,160 --> 00:01:14,280

and across the air on her journey to

31

00:01:19,130 --> 00:01:16,170

Florida we actually arrived at Kennedy

32

00:01:20,780 --> 00:01:19,140

on a c-17 a military cargo plane which

33

00:01:22,910 --> 00:01:20,790

will land at the same landing strip that

34

00:01:24,289 --> 00:01:22,920

the shuttle lands at the team and I are

35

00:01:26,090 --> 00:01:24,299

really looking forward to our launch

36

00:01:28,010 --> 00:01:26,100

this November from Kennedy Space Center