the ROAD to IDA

1
00:00:14,129 --> 00:00:11,909
over a period of four spacewalks in 2015

2
00:00:15,509 --> 00:00:14,139
NASA astronauts laid the groundwork for

3
00:00:18,300 --> 00:00:15,519
the installation of the first

4
00:00:20,870 --> 00:00:18,310
international docking adaptor or IBA on

5
00:00:23,640 --> 00:00:20,880
the international space station the

6
00:00:25,830 --> 00:00:23,650
first three spacewalks were conducted by

7
00:00:28,019 --> 00:00:25,840
butch Wilmore and Terry Virts who

8
00:00:30,480 --> 00:00:28,029
unfurled hundreds of feet of power and

9
00:00:32,910 --> 00:00:30,490
data cables needed for not only one but

10
00:00:35,370 --> 00:00:32,920
two docking adapters that will serve as

11
00:00:38,130 --> 00:00:35,380
future docking ports for us Commercial

12
00:00:42,960 --> 00:00:38,140
Crew spacecraft in development by SpaceX

13
00:00:45,420 --> 00:00:42,970

and Boeing Saturday February 21st 2015

14
00:00:48,300 --> 00:00:45,430
focused on pressurized mating adapter or

15
00:00:50,670 --> 00:00:48,310
PM a number two to which space shuttles

16
00:00:52,830 --> 00:00:50,680
used to dock and we're the first idea is

17
00:00:54,450 --> 00:00:52,840
being attached as the primary docking

18
00:00:57,540 --> 00:00:54,460
port for the first commercial crew

19
00:00:59,790 --> 00:00:57,550
flights working on the forward end of

20
00:01:02,310 --> 00:00:59,800
the harmony module will more invert

21
00:01:03,870 --> 00:01:02,320
splayed out 10 different cables in some

22
00:01:06,599 --> 00:01:03,880
of the most labor-intensive work in

23
00:01:08,849 --> 00:01:06,609
station history after unfurling the

24
00:01:11,039 --> 00:01:08,859
first eight cables and prepping the last

25
00:01:14,399 --> 00:01:11,049
two for the next spacewalk the crew

26
00:01:17,279 --> 00:01:14,409
members called it a day four days later

27
00:01:19,830 --> 00:01:17,289
on February 25th the pair headed back

28
00:01:23,609 --> 00:01:19,840
outside and routed the remaining cables

29
00:01:25,739 --> 00:01:23,619
2 p.m. a 2 with their primary job

30
00:01:27,749 --> 00:01:25,749
complete the pair split up for

31
00:01:29,669 --> 00:01:27,759
additional station maintenance tasks

32
00:01:31,380 --> 00:01:29,679
including preparations for the

33
00:01:33,709 --> 00:01:31,390
relocation of the permanent

34
00:01:35,520 --> 00:01:33,719
multi-purpose module as part of the

35
00:01:39,650 --> 00:01:35,530
reconfiguration of the station to

36
00:01:45,240 --> 00:01:42,570
after another four-day breather will

37
00:01:47,220 --> 00:01:45,250
more invert suited up one final time to

38
00:01:50,490 --> 00:01:47,230

install the common communications for

39
00:01:53,340 --> 00:01:50,500
visiting vehicles for c2v2 system a

40
00:01:55,230 --> 00:01:53,350
relay system for data and communications

41
00:02:00,030 --> 00:01:55,240
between approaching Commercial Crew

42
00:02:02,220 --> 00:02:00,040
vehicles and the station itself working

43
00:02:04,590 --> 00:02:02,230
in tandem the NASA space Walker's

44
00:02:06,810 --> 00:02:04,600
hoisted two antennas on the station's

45
00:02:09,690 --> 00:02:06,820
truss structure before routing for

46
00:02:11,730 --> 00:02:09,700
separate 100-foot cables to a single

47
00:02:14,910 --> 00:02:11,740
connector located on the US Destiny

48
00:02:17,610 --> 00:02:14,920
laboratory then last December right

49
00:02:20,070 --> 00:02:17,620
before Christmas astronauts Scott Kelly

50
00:02:22,560 --> 00:02:20,080
and Tim copra took up the cause routing

51
00:02:24,360 --> 00:02:22,570
yet another cable that will be used for

52
00:02:26,550 --> 00:02:24,370
the installation of the second of a

53
00:02:30,900 --> 00:02:26,560
docking adapters to the space facing

54
00:02:32,790 --> 00:02:30,910
side of Harmony the two docking ports

55
00:02:35,370 --> 00:02:32,800
will provide redundant parking spaces

56
00:02:37,020 --> 00:02:35,380
for US Commercial Crew vehicles that

57
00:02:38,670 --> 00:02:37,030
will augment the transportation of

58
00:02:41,070 --> 00:02:38,680
astronauts to and from the orbital

59
00:02:43,290 --> 00:02:41,080
outpost and the expansion of research