

DREW FEUSTEL



1
00:00:01,935 --> 00:00:02,535
>> HOW WOULD YOU LIKE TO BE

2
00:00:02,535 --> 00:00:03,803
THE GUY ON THE LAST

3
00:00:03,803 --> 00:00:05,405
SERVICING MISSION OF HUBBLE

4
00:00:05,405 --> 00:00:06,473
TO DO THE FIRST THING

5
00:00:06,473 --> 00:00:07,507
ON THE MISSION, WHICH IS

6
00:00:07,507 --> 00:00:08,842
THE MOST IMPORTANT THING,

7
00:00:08,842 --> 00:00:09,909
AND THEN BREAK THE BULB?

8
00:00:09,909 --> 00:00:17,784
[MUSIC]

9
00:00:17,784 --> 00:00:19,519
WELL, I GREW UP IN DETROIT.

10
00:00:19,519 --> 00:00:21,087
DETROIT'S THE MOTOR CITY.

11
00:00:21,087 --> 00:00:22,689
MY FATHER AND UNCLE WERE

12
00:00:22,689 --> 00:00:23,790
BOTH ENGINEERS FOR

13
00:00:23,790 --> 00:00:25,358

FORD MOTOR COMPANY.

14

00:00:25,358 --> 00:00:27,694

I WAS ALWAYS EXPOSED TO

15

00:00:27,694 --> 00:00:28,895

MECHANICS AND MECHANICAL

16

00:00:28,895 --> 00:00:30,730

THINGS, AND THEN WHILE I WAS

17

00:00:30,730 --> 00:00:33,099

ATTENDING COMMUNITY COLLEGE,

18

00:00:33,099 --> 00:00:34,834

I LANDED A JOB AT A CLASSIC

19

00:00:34,834 --> 00:00:36,102

AUTOMOBILE RESTORATION SHOP.

20

00:00:36,102 --> 00:00:37,570

IN PARTICULAR, I WORKED ON

21

00:00:37,570 --> 00:00:39,539

OLD 1950s JAGUARS,

22

00:00:39,539 --> 00:00:40,573

AND THAT WAS WHERE I,

23

00:00:40,573 --> 00:00:41,307

I GUESS YOU CAN SAY,

24

00:00:41,307 --> 00:00:42,175

WORKED PROFESSIONALLY AS

25

00:00:42,175 --> 00:00:43,943

AN AUTOMOBILE MECHANIC

26
00:00:43,943 --> 00:00:45,712
AND RESTORATION SPECIALIST.

27
00:00:45,712 --> 00:00:46,946
AND BEING A MECHANIC HAS

28
00:00:46,946 --> 00:00:49,015
BEEN VERY BENEFICIAL TO ME,

29
00:00:49,015 --> 00:00:50,650
I THINK, AS AN ASTRONAUT.

30
00:00:50,650 --> 00:00:52,018
MY FIRST MISSION WAS REPAIR

31
00:00:52,018 --> 00:00:53,420
THE HUBBLE SPACE TELESCOPE.

32
00:00:53,420 --> 00:00:55,688
AND I THINK THAT MY SKILLS

33
00:00:55,688 --> 00:00:57,090
AND MY APTITUDE WITH TOOLS

34
00:00:57,090 --> 00:00:58,391
HAD A LOT TO DO WITH

35
00:00:58,391 --> 00:00:59,926
THE ASSIGNMENT TO THAT MISSION,

36
00:00:59,926 --> 00:01:01,694
BECAUSE THE FIRST EVA

37
00:01:01,694 --> 00:01:03,029
THAT WE DID WAS TO REPLACE

38
00:01:03,029 --> 00:01:05,632

THE WIDE FIELD 2 CAMERA.

39

00:01:05,632 --> 00:01:07,667
MY FIRST FLIGHT TO SPACE,

40

00:01:07,667 --> 00:01:10,603
MY FIRST EVA EVER,

41

00:01:10,603 --> 00:01:13,373
MY FIRST TASK IN SPACE WAS

42

00:01:13,373 --> 00:01:15,341
TO GO OUT WITH A WRENCH

43

00:01:15,341 --> 00:01:16,376
AND RELEASE THE BOLT

44

00:01:16,376 --> 00:01:17,944
ON WIDE FIELD CAMERA 2.

45

00:01:17,944 --> 00:01:20,513
AND I WAS DOING MY JOB,

46

00:01:20,513 --> 00:01:21,815
GOT IN MY SUIT THAT DAY,

47

00:01:21,815 --> 00:01:23,917
WENT OUTSIDE, GOT ON THE ARM,

48

00:01:23,917 --> 00:01:25,318
GOT MY TOOL OUT, WENT UP TO

49

00:01:25,318 --> 00:01:27,120
THE TELESCOPE, AND TRIED

50

00:01:27,120 --> 00:01:28,354
TO RELEASE THE BOLT,

51
00:01:28,354 --> 00:01:30,156
AND THE BOLT WAS STUCK.

52
00:01:33,893 --> 00:01:34,694
I THINK IT'S JUST

53
00:01:34,694 --> 00:01:35,628
SLIPPING-- YEP.

54
00:01:35,628 --> 00:01:37,130
SO EVENTUALLY THEY SAID,

55
00:01:37,130 --> 00:01:38,164
"OKAY, TAKE THE TORQUE-LIMITERS

56
00:01:38,164 --> 00:01:39,399
"OFF AND JUST, YOU KNOW,

57
00:01:39,399 --> 00:01:40,967
"RELEASE THE BULB."

58
00:01:40,967 --> 00:01:41,701
THERE'S REALLY NO WAY

59
00:01:41,701 --> 00:01:42,435
TO CONTROL WHETHER YOU'RE

60
00:01:42,435 --> 00:01:44,604
GOING TO BREAK IT OR NOT.

61
00:01:44,604 --> 00:01:45,572
AND SO THAT'S WHAT WE DID--

62
00:01:45,572 --> 00:01:46,973
I JUST PUT AS MUCH FORCE

63
00:01:46,973 --> 00:01:48,575

INTO IT AS I COULD.

64

00:01:48,575 --> 00:01:51,444

OKAY, HERE WE GO.

65

00:01:53,279 --> 00:01:54,914

I THINK I GOT IT-- IT TURNED--

66

00:01:54,914 --> 00:01:56,015

IT DEFINITELY TURNED.

67

00:01:56,015 --> 00:01:57,484

YEP, IT TURNED.

68

00:01:57,484 --> 00:02:00,053

THEN LUCKILY, IT CAME LOOSE

69

00:02:00,053 --> 00:02:01,921

INSTEAD OF BREAKING

70

00:02:01,921 --> 00:02:03,122

IN THE TELESCOPE-- IT ACTUALLY

71

00:02:03,122 --> 00:02:04,057

CAME LOOSE AND WE WERE ABLE

72

00:02:04,057 --> 00:02:05,925

TO RETRIEVE IT.

73

00:02:05,925 --> 00:02:07,160

I'M PROUD TO BE A MECHANIC.

74

00:02:07,160 --> 00:02:07,994

I'M PROUD TO WORK WITH

75

00:02:07,994 --> 00:02:09,062

MY HANDS.

76

00:02:09,062 --> 00:02:09,929

THAT SKILL SET HAS BEEN

77

00:02:09,929 --> 00:02:10,997

VERY VALUABLE TO ME, AND

78

00:02:10,997 --> 00:02:13,166

WE KNOW FROM ASTRONAUTS THAT

79

00:02:13,166 --> 00:02:14,133

HAVE BEEN TO SPACE STATION

80

00:02:14,133 --> 00:02:15,502

BEFORE US THAT MUCH OF THE WORK

81

00:02:15,502 --> 00:02:17,470

THAT WE DO IN SPACE IS ABOUT

82

00:02:17,470 --> 00:02:18,972

KEEPING THE SYSTEMS OPERATING,

83

00:02:18,972 --> 00:02:19,772

KEEPING EXPERIMENTS

84

00:02:19,772 --> 00:02:21,975

OPERATING, WORKING OUTSIDE

85

00:02:21,975 --> 00:02:23,409

WITH EXTERNAL REPAIRS

86

00:02:23,409 --> 00:02:25,144

ON EVAs, SPACEWALKS.

87

00:02:25,144 --> 00:02:26,179

AND ALL OF THOSE THINGS

88

00:02:26,179 --> 00:02:27,881

THAT WE DO INVOLVE TOOLS,

89

00:02:27,881 --> 00:02:28,948

AND WORKING WITH TOOLS,

90

00:02:28,948 --> 00:02:29,749

AND MAKING REPAIRS

91

00:02:29,749 --> 00:02:30,984

TO EQUIPMENTS.

92

00:02:30,984 --> 00:02:31,918

I'VE JUST REALLY BEEN LUCKY

93

00:02:31,918 --> 00:02:33,253

IN MY CAREER THAT I HAD

94

00:02:33,253 --> 00:02:34,621

THAT SKILL SET THAT I BROUGHT

95

00:02:34,621 --> 00:02:37,223

WITH ME INTO THE OFFICE.

96

00:02:37,223 --> 00:02:38,291

I'M DREW FEUSTEL,

97

00:02:38,291 --> 00:02:39,626

AND I'M AN ASTRONAUT.