



1  
00:00:02,376 --> 00:00:04,616  
[Commentator:] Good morning, and  
welcome to Mission Control Houston.

2  
00:00:04,616 --> 00:00:09,476  
We're inside the International Space Station  
flight control room for today's ISS update.

3  
00:00:09,966 --> 00:00:11,516  
It is Friday, September 2.

4  
00:00:12,136 --> 00:00:17,156  
The team here is watching over systems aboard  
the space station, all working well at this time

5  
00:00:18,076 --> 00:00:21,296  
as the crew members are working through  
the early afternoon of their day.

6  
00:00:21,296 --> 00:00:22,576  
[CAPCOM:] ...talking about Mike.

7  
00:00:25,176 --> 00:00:27,446  
Commentator: Astronaut Rick Sturckow is here

8  
00:00:27,446 --> 00:00:30,936  
in the International Space Station  
flight control room serving as the CAPCOM

9  
00:00:30,936 --> 00:00:35,416  
or spacecraft communicator, speaking  
with crew members on board the station,

10  
00:00:35,416 --> 00:00:38,566  
right now coordinating an activity  
with astronaut Mike Fossum.

11  
00:00:38,826 --> 00:00:44,646  
Fossum and astronaut Ron Garan have

been working on an upgrade of equipment

12

00:00:44,646 --> 00:00:48,716

on board the space station, focusing on the communications system.

13

00:00:49,176 --> 00:00:53,646

Garan spent some of the time in his morning rerouting some cables -

14

00:00:54,586 --> 00:01:00,206

data and Ethernet cables - and Fossum is working on swapping

15

00:01:00,206 --> 00:01:04,146

out two boxes called Automated Payload Switches.

16

00:01:04,736 --> 00:01:10,226

They're part of an upgrade to the high-rate communication system to help with the downlink

17

00:01:10,226 --> 00:01:16,646

of payload or scientific experiment data to the team on the ground.

18

00:01:16,706 --> 00:01:17,806

[CAPCOM:] ...patience.

19

00:01:17,806 --> 00:01:20,386

If you just pull those pins it should just come off.

20

00:01:20,386 --> 00:01:26,756

It's a friction fit, not captive fasteners.

21

00:01:26,756 --> 00:01:30,576

[Commentator:] While Fossum and Garan have been working on that inside the Destiny laboratory,

22

00:01:30,576 --> 00:01:32,516

there's also been work on board the station

23

00:01:32,516 --> 00:01:37,226

by Japan Aerospace Exploration  
Agency [astronaut] Satoshi Furukawa

24

00:01:37,256 --> 00:01:39,176

in maintenance activities.

25

00:01:39,646 --> 00:01:44,676

He has worked - or he will work today -  
on the cycle ergometer on the station,

26

00:01:45,066 --> 00:01:51,056

adjusting the pedals on the exercise machine  
just slightly to help prolong the life

27

00:01:51,056 --> 00:01:59,216

of the isolators that are on that  
hardware that help it function properly.

28

00:01:59,396 --> 00:02:06,156

The isolators are working well, but the  
replacements for those for future need -

29

00:02:06,246 --> 00:02:08,866

when those eventually wear out - were

30

00:02:08,866 --> 00:02:13,106

on the 44 Progress cargo  
spacecraft that was lost last week.

31

00:02:13,606 --> 00:02:18,656

So, there's a slight adjustment that is being  
done to how the cycle ergometer operates

32

00:02:18,686 --> 00:02:22,406

to help prolong the life of those  
isolators until a new set can be launched

33

00:02:22,406 --> 00:02:25,576

to the station on a future cargo vehicle.

34

00:02:28,606 --> 00:02:37,006

Another effect of that cargo vehicle's loss was the delay of the return

35

00:02:37,006 --> 00:02:38,846

of astronaut Ron Garan and his crewmates.

36

00:02:38,926 --> 00:02:40,306

That was delayed a week.

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00:02:40,906 --> 00:02:45,396

They will be returning on the evening of September 15 Central time,

38

00:02:45,806 --> 00:02:48,906

landing in Kazakhstan on September 16.

39

00:02:49,696 --> 00:02:54,936

That includes Garan as well as the Soyuz Commander Alexander Samokutyaev

40

00:02:55,666 --> 00:02:58,166

and the station Commander Andrey Borisenko.

41

00:03:00,326 --> 00:03:02,476

Remaining on board the station will be Fossum

42

00:03:02,626 --> 00:03:07,326

and Flight Engineers Sergei Volkov and Furukawa from JAXA.

43

00:03:09,596 --> 00:03:15,216

The schedule for launching three new crew members - NASA Flight Engineer Dan Burbank

44  
00:03:15,646 --> 00:03:22,106  
and Soyuz Commander Anton Shkaplerov and  
Russian Flight Engineer Anatoly Ivanishin -

45  
00:03:22,776 --> 00:03:26,566  
who will round out the Expedition 29  
crew, which will be commanded by Fossum,

46  
00:03:27,326 --> 00:03:32,036  
is under review as NASA and its  
international partners assess the readiness

47  
00:03:32,036 --> 00:03:33,866  
for resumption of Soyuz launches.

48  
00:03:38,816 --> 00:03:45,706  
Astronauts Mike Fossum and Ron Garan will be  
part of a news conference on Tuesday morning

49  
00:03:46,616 --> 00:03:51,086  
to talk about the continuation of their  
mission and Garan's soon return home.