



**Discovery**

1  
00:00:03,020 --> 00:00:05,600  
After the initial recovery operations on the runway

2  
00:00:05,840 --> 00:00:07,980  
the orbiter is towed four miles to a

3  
00:00:08,000 --> 00:00:12,100  
Mate/Demate Device or MDD  
where it is de-serviced.

4  
00:00:13,920 --> 00:00:16,940  
Once at the MDD the week-long turnaround process

5  
00:00:16,940 --> 00:00:19,500  
begins with crews working around the clock in

6  
00:00:19,510 --> 00:00:21,240  
preparation for the shuttle's

7  
00:00:21,240 --> 00:00:23,480  
cross-country return home.

8  
00:00:24,980 --> 00:00:28,180  
Discovery's onboard fuel cell systems are shut down

9  
00:00:28,180 --> 00:00:30,260  
and the orbiter's electrical systems are

10  
00:00:30,280 --> 00:00:31,700  
switched to ground power.

11  
00:00:33,340 --> 00:00:34,940  
The shuttle is hoisted and aligned

12  
00:00:34,940 --> 00:00:36,960  
with the MDD's work platforms

13

00:00:37,200 --> 00:00:38,800  
so that technicians may have access

14

00:00:38,800 --> 00:00:40,180  
to the orbiters systems.

15

00:00:44,580 --> 00:00:47,080  
The main engines are flushed of residual fuel