Apollo 13

The mission started as for Apollo 8, 10, 11 and 12 with a spectacular launch of the mighty Saturn V rocket.

The story of the Apollo 13 accident, and the heroic efforts of those in Mission Control to get the three astronauts safely back to Earth, was immortalised by Hollywood in the 1995 film...
Apollo 13

The Actors

CM Pilot  Commander  LM Pilot

Jack Swigert  Jim Lovell  Fred Haise

Reality and Hollywood

The story of the Apollo 13 accident, and the heroic efforts of those in Mission Control to get the three astronauts safely back to Earth, was immortalised by Hollywood and also by ...

LEGO !

LEGO Apollo 13

APOLLO 13
LEGO Ideas Project
492 pcs

LEGO Mission Control
Apollo 13

**Abbreviations**

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<tr>
<th>Service Module</th>
<th>Command Module</th>
<th>Lunar Module</th>
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<td>SM</td>
<td>CM</td>
<td>LM</td>
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<td>CSM</td>
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**The Mission**

The mission ...

... as it was supposed to happen

**Planned Moon Landing**

**Crew Transfer to LM**
Apollo 13

LM Descent

LM Ascent and Rendezvous

Crew Transfer to CM

Back To Earth
A fan inside one of the oxygen tanks had faulty wiring insulation, so when the tank was stirred a spark caused the oxygen tank to explode, damaging the fuel cells and blowing out a side panel of the SM.

Contingency plans for a three-day flight returning from the Moon with a crippled CSM had been thought about, but Apollo 13 was at least four days from Earth.
Apollo 13

How could they ensure that the remaining oxygen, water and electrical power would last long enough to get them home safely?
Apollo 13

Gene Kranz

That famous phrase was spoken by actor Ed Harris but not by Kranz himself.

However, Kranz used it for his autobiography because it reflected so succinctly the attitude of those working in Mission Control.

What Happened To ...?

The Command Module (call sign ‘Odyssey’) made it safely back to Earth with its three occupants.

What about the rest of the Apollo hardware?

The third stage of the Saturn V rocket, after it had accelerated the CSM+LM spacecraft towards the Moon, was given one last task to perform ...
What Happened To Aquarius?

After the Lunar Module (call sign 'Aquarius') was jettisoned it re-entered the Earth’s atmosphere and disintegrated.

However, it was important to ensure that its re-entry was controlled to ensure that any surviving components fell into the deepest Pacific trench.

In particular ...

Plutonium Power

Alan Bean (Apollo 12) removes the plutonium fuel cask from the LM to transfer it to the RTG in front of him that powers the experiments on the lunar surface.

RTG = Radioisotope Thermoelectric Generator

Jim Lovell and Tom Hanks

Read All About It!