



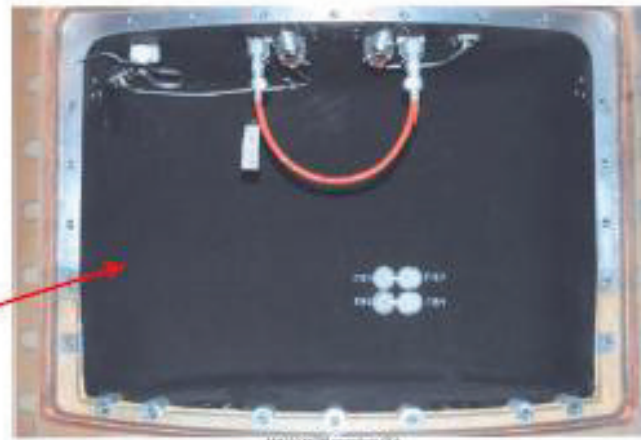
Over-pressurization during ground testing (30S)

- **Soyuz 30S** - The Soyuz vehicle #704, slated for flight 30S (TMA-04M), had a problem during ground testing, prior to its shipment to Baikonur.
 - During pressure testing of the descent module and the pressurized section of the propulsion module, the vehicle was over pressurized and as a result it caused a leak in the area housing the hydrogen peroxide system for the thrusters that are used during descent and landing (*see next page*)
- **Status:** A Russian Commission was formed to investigate the cause of the over-pressurization and ensure it doesn't happen again.
 - Soyuz vehicle #704 was suspended from flight pending completion of further analysis
 - Soyuz vehicle #705, previously planned for flight 31S, is being accelerated for use on flight 30S
 - This results in a 6-week delay to the 30S launch
 - The crew of Soyuz 28S will remain on orbit another six weeks for a total of 168 days
 - Other Soyuz and Progress flights were replanned for the remainder of 2012

Deformation and local failure SHELL CONTAINER ma lander spacecraft "TMA-04M» № 704



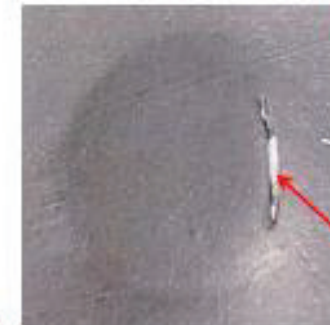
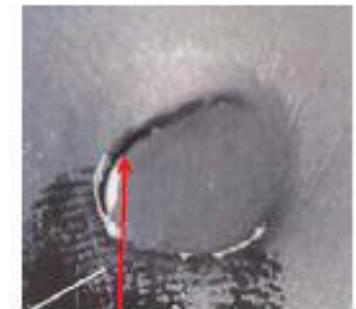
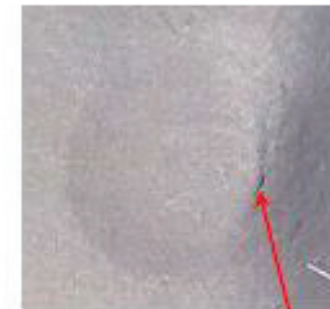
Container for installation
pnevmogidroagregata (PGA)
storage of hydrogen peroxide



In the "Soyuz TMA-04M» № 704



Corrugations on the outside of the
container PGA



Cracks in the shell of the container on the
PGA points to the power set of welding