

Satellite rescue mission

Intelsat 6-F3 satellite

Custom made aluminium 'capture' bar

Life support control unit

The crew of Endeavour, the space shuttle built to replace Challenger, which exploded in 1986, will try to rescue and repair a telecommunications satellite which has been trapped in a useless orbit for more than two years. The \$131million satellite is owned by Intelsat, a 122-nation cooperative which distributes much of the world's international television broadcasts

Life support system

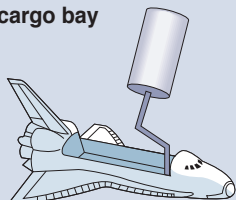
Foot restraints

Robot arm
15 metre long
remote manipulator system

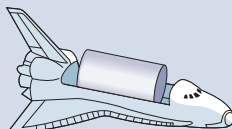
Cargo bay
Work area where
4,040 kg satellite
will be repaired

Space shuttle
Endeavour
Crew of seven,
orbiting at altitude of 370 km

1. Astronaut attaches capture bar to satellite. Robot arm lowers satellite into cargo bay



2. New booster motor is attached and satellite is allowed to float out of cargo bay



3. When shuttle is at a safe distance booster rocket is ignited to lift satellite to its correct orbit, 35,880 km above Earth



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