

Valve\Stage	LOX pre-fill inert	LOX filling & chill	Safety State (SS0)	Pressurized	Ignition	Oxidizer Start	Fuel Start	Firing	Purge	LOX blowdown
SOV-1 (Fuel Pressure)	Closed	Closed	Closed	Open	Open	Open	Open	Open	Closed	Closed
SOV-2 (LOX Pressure)	Open	Closed	Closed	Open	Open	Open	Open	Open	Closed	Open
SOV-3 (Purge N2)	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	Closed
SOV-4	Closed	Closed	Open	Closed	Closed	Closed	Closed	Closed	Closed	Closed
SOV-5 (Fuel Main)	Closed	Closed	Closed	Closed	Closed	Closed	Open	Open	Closed	Closed
SOV-6 (LOX Main)	Open	Open	Closed	Closed	Closed	Open	Open	Open	Closed	Open
SOV-7 (LOX Fill)	Closed	Open	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
SOV-8	Closed	Open	Open	Closed	Closed	Closed	Closed	Closed	Closed	Closed
SOV-? (Igniter valve)	Closed	Closed	Closed	Closed	Open	Open	Open	Closed	Closed	Closed
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