

# REACTION CONTROL SYSTEM ISOLATION VALVES

V 2.15

Primary A	Secondary A	Primary B	Secondary B	Leg 1/2	Leg 3/4/5
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE
O2 Out Term	Manifold 1	Manifold 2	Manifold 3	Manifold 4	Manifold 5
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE

# ORBITAL MANEUVERING SYSTEM

OVIV 1	OVIV 2	OTIV A	OTIV B	OCV A	OCV B
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE
FTIV A	FTIV B	FCV A	FCV B	CV 1	CV 2
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE

**CRYOGENIC OXYGEN SYSTEM**

RVLV 1

OPEN

CLOSE

RVLV 2

OPEN

CLOSE

RVLV 3

OPEN

CLOSE

**CRYOGENIC HYDROGEN SYSTEM**

RVLV 1

OPEN

CLOSE

RVLV 2

OPEN

CLOSE

RVLV 3

OPEN

CLOSE

AC / DC  
Transfer

**GENERAL PURPOSE COMPUTER**

AC

DC

GPC 1

ON

OFF

GPC 2

ON

OFF

GPC 3

ON

OFF

GPC 4

ON

OFF

GPC 5

ON

OFF

**POWER DISTRIBUTION SYSTEM**

DA 1

OPEN

CLOSE

DA 2

OPEN

CLOSE

DA 3

OPEN

CLOSE

**ELECTRICAL AC BUS**

AC 1

OPEN

CLOSE

AC 2

OPEN

CLOSE

AC 3

OPEN

CLOSE

**ELECTRICAL DC BUS**

PCA 1

OPEN

CLOSE

PCA 2

OPEN

CLOSE

PCA 3

OPEN

CLOSE

DC 1

OPEN

CLOSE

DC 2

OPEN

CLOSE

DC 3

OPEN

CLOSE

# REACTION CONTROL SYTEM ISOLATION VALVES

V 2.15

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# ORBITAL MANEUVERING SYSTEM

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CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE
FTIV A	FTIV B	FCV A	FCV B	CV 1	CV 2
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE

**CRYOGENIC OXYGEN SYSTEM**

**CRYOGENIC HYDROGEN SYSTEM**

RVLV 1

OPEN

CLOSE

RVLV 2

OPEN

CLOSE

RVLV 3

OPEN

CLOSE

RVLV 1

OPEN

CLOSE

RVLV 2

OPEN

CLOSE

RVLV 3

OPEN

CLOSE

AC / DC  
Transfer

**GENERAL PURPOSE COMPUTER**

AC

DC

GPC 1

ON

OFF

GPC 2

ON

OFF

GPC 3

ON

OFF

GPC 4

ON

OFF

GPC 5

ON

OFF

**POWER DISTRIBUTION SYSTEM**

**ELECTRICAL AC BUS**

DA 1

OPEN

CLOSE

DA 2

OPEN

CLOSE

DA 3

OPEN

CLOSE

AC 1

OPEN

CLOSE

AC 2

OPEN

CLOSE

AC 3

OPEN

CLOSE

**ELECTRICAL DC BUS**

PCA 1

OPEN

CLOSE

PCA 2

OPEN

CLOSE

PCA 3

OPEN

CLOSE

DC 1

OPEN

CLOSE

DC 2

OPEN

CLOSE

DC 3

OPEN

CLOSE