

Case Use History

STS-131, April 2010

Flight Set 110



Left Booster		Right Booster	
Fwd Dome	STS-111, 120	STS-36, 49, 59, 84 STS-106, TEM-13	Fwd Dome
Cylinder	DM-4, STS-5, 41B, 51G TEM-3, STS-48, 60, 73 STS-86, 98, 118	STS-1, 6, 51B, TEM-7 STS-56, 70, 84, 106, TEM-13	Cylinder
Capture Feature Cylinder	NEW	STS-28, 39, 54, 67 STS-85, 106, TEM-13	Capture Feature Cylinder
Cylinder	STS-61A, 33, 43, 57, 76 STS-91, 105, 117	QM-4, STS-51C, TEM-4 STS-45, 59, 81, 96, 113	Cylinder
Capture Feature Cylinder	STS-108, 118	STS-108, 120	Capture Feature Cylinder
Cylinder	STS-51A, 61C, 52, 68 STS-85, 106, TEM-13	STS-6, 51B, TEM-1, STS-43 STS-56, 69, 94, 106, TEM-13	Cylinder
Capture Feature Cylinder	STS-52, 68, 85, 106 TEM-13	STS-40, 56, 69, 94, 106 TEM-13	Capture Feature Cylinder
ET Attach	ETM-2, STS-117	STS-32, 48, 51, 77 STS-95, 109, 118	ET Attach
Stiffener	STS-61A, 26, 34, 49, 111	STS-7, 51B, TEM-9 STS-72, 88, TEM-13	Stiffener
Stiffener	NEW	STS-114, FSM-14	Stiffener
Aft Dome	STS-105, 117	STS-49, 59, 75 STS-90, 105, 117	Aft Dome

DM – Demonstration Motor
QM – Qualification Motor

ETM – Engineering Test Motor
STS – Space Transportation System

FSM – Flight Support Motor
TEM – Test Evaluation Motor

STS-131 Case Summary

STS-1	STS-70	DM-4
STS-5	STS-72	ETM-2
STS-6 (2)	STS-73	FSM-14
STS-7	STS-75	QM-4
STS-41B	STS-76	TEM-1
STS-51A	STS-77	TEM-3
STS-51B (3)	STS-81	TEM-4
STS-51C	STS-84 (2)	TEM-7
STS-51G	STS-85 (3)	TEM-9
STS-61A (2)	STS-86	TEM-13 (8)
STS-61C	STS-88	
STS-26	STS-90	
STS-28	STS-91	
STS-32	STS-94 (2)	
STS-33	STS-95	
STS-34	STS-96	
STS-36	STS-98	
STS-39	STS-105 (3)	
STS-40	STS-106 (7)	
STS-43 (2)	STS-108 (2)	
STS-45	STS-109	
STS-48 (2)	STS-111 (2)	
STS-49 (3)	STS-113	
STS-51	STS-114	
STS-52 (2)	STS-117 (4)	
STS-54	STS-118 (3)	
STS-56 (3)	STS-120 (2)	
STS-57		
STS-59 (3)		
STS-60		
STS-67		
STS-68 (2)		
STS-69 (2)		

10 Static Tests
60 Shuttle Flights
2 New