

# Case Use History

STS-135, June 2011

Flight Set 114



Left Booster		Right Booster	
Fwd Dome	STS-107, FSM-12 STS-126	FVM-1	Fwd Dome
Cylinder	STS-1, 6, 51B, TEM-8 STS-85, 92, 114, 126	QM-1, STS-3, 41D, 61A, 30 STS-41, 50, 61, 80 STS-93, 107, 124	Cylinder
Capture Feature Cylinder	STS-37, 52, 64 STS-81, 93, 107	STS-42, 60, 73, 94 STS-101, FVM-1	Capture Feature Cylinder
Cylinder	STS-26, 36, 42, 60, 109	STS-7, 51D, TEM-9 STS-74, 87, 102	Cylinder
Capture Feature Cylinder	STS-108, 118	STS-39, 54, 71, 84 STS-101, 118	Capture Feature Cylinder
Cylinder	TEM-2, STS-44 STS-60, 109, 126	STS-41D, TEM-4, STS-46 STS-64, 78, 93, TEM-12 STS-126	Cylinder
Capture Feature Cylinder	STS-51, 69, 94, 106 FSM-10, STS-123	STS-42, 60, 72 STS-90, 104, 126	Capture Feature Cylinder
ET Attach	STS-124	STS-61, 80, 96, 113, 122	ET Attach
Stiffener	TEM-11, STS-80, 96, 113 FSM-12, STS-126	STS-55, 71, 86, 98, 116 FSM-15	Stiffener
Stiffener	STS-107, 122	STS-124	Stiffener
Aft Dome	STS-114, FSM-14, 15	STS-52, 64, 81, 96, 112 FSM-12, STS-126	Aft Dome

FSM – Flight Support Motor

FVM – Flight Verification Motor

QM – Qualification Motor

STS – Space Transportation System

TEM – Test Evaluation Motor

# STS-135 Case Summary

STS-1	STS-80 (3)	FSM-10
STS-3	STS-81 (2)	FSM-12 (3)
STS-6	STS-84	FSM-14
STS-7	STS-85	FSM-15 (2)
STS-41D (2)	STS-86	FVM-1 (2)
STS-51B	STS-87	QM-1
STS-51D	STS-90	TEM-2
STS-61A	STS-92	TEM-4
STS-26	STS-93 (3)	TEM-8
STS-30	STS-94 (2)	TEM-9
STS-36	STS-96 (3)	TEM-11
STS-37	STS-98	TEM-12
STS-39	STS-101 (2)	
STS-41	STS-102	
STS-42 (3)	STS-104	
STS-44	STS-106	
STS-46	STS-107 (4)	
STS-50	STS-108	
STS-51	STS-109 (2)	
STS-52 (2)	STS-112	
STS-54	STS-113 (2)	
STS-55	STS-114 (2)	
STS-60 (4)	STS-116	
STS-61 (2)	STS-118 (2)	
STS-64 (3)	STS-122 (2)	
STS-69	STS-123	
STS-71 (2)	STS-124 (3)	
STS-72	STS-126 (7)	
STS-73		
STS-74		
STS-78		

12 Static Tests  
59 Shuttle Flights