

Are the edges the same ?				
Child	Parent	WorkBench	MagicDraw	
25 ADCS Control Electronics	Attitude Determination and Control System and Guidance, Navigation and Control		x	
21 Attitude Determination and Control System and Guidance, Navigation and Control	FIREsat space segment		x	
50 Attitude Determination and Control System Control Electronics	Attitude Determination and Control System and Guidance, Navigation and Control	x		
67 Battery (24 cells)	Electrical Power System	x	x	
66 Coatings and Blankets	Thermal Control	x	x	
24 Command and Data Handling	FIREsat space segment		x	
26 COMmunications	FIREsat space segment		x	
65 Data Harness	Command and Data Handling	x	x	
64 Earth Sensor	Attitude Determination and Control System and Guidance, Navigation and Control	x	x	
22 Electrical Power System	FIREsat space segment		x	
30 Electrical Power System Harness	Structures and mechanisms	x		
1 Electrical Power System Harness	Structures and Mechanisms		x	
51 GPS Antenna	Attitude Determination and Control System and Guidance, Navigation and Control	x		
63 GPS Receiver	Attitude Determination and Control System and Guidance, Navigation and Control	x	x	
31 Helium Fill and Drain Valve	Propulsion	x		
2 Helium Fill and Drain Valve	PROpulsion		x	
32 Helium Regulator	Propulsion	x		
3 Helium Regulator	PROpulsion		x	
33 Helium Tank Isolation Valve	Propulsion	x		
4 Helium Tank Isolation Valve	PROpulsion		x	
62 Launch Vehicle Adapter	Command and Data Handling	x	x	
52 Lines and Fittings	Propulsion	x		
27 Lines and Fittings (6.35mm outside diameter line)	PROpulsion		x	
53 Magnetometer	Attitude Determination and Control System and Guidance, Navigation and Control	x		
61 Magnetorquers	Attitude Determination and Control System and Guidance, Navigation and Control	x	x	
34 Mixed Oxides of Nitrogen fill and drain valve	Propulsion	x		
5 Mixed Oxides of Nitrogen fill and drain valve	PROpulsion		x	
35 Mixed Oxides of Nitrogen Tank Isolation Valve	Propulsion	x		
6 Mixed Oxides of Nitrogen Tank Isolation Valve	PROpulsion		x	
36 Orbit Control Engine	Propulsion	x		
7 Orbit Control Engine	PROpulsion		x	
8 Payload	FIREsat space segment		x	
37 Payload	Payload	x		
38 Power Control Unit	Structures and mechanisms	x		
9 Power Control Unit	Structures and Mechanisms		x	
39 PreSsurant Tank (including gas)	Propulsion	x		
10 PreSsurant Tank (including gas)	PROpulsion		x	
60 Primary Flight Computer	Command and Data Handling	x	x	
59 Primary Structure	Command and Data Handling	x	x	
11 Propellant	FIREsat space segment		x	
40 Propellant	Propellant	x		
41 ProPellant Tank	Propulsion	x		
12 ProPellant Tank	PROpulsion		x	
28 PROpulsion	FIREsat space segment		x	
42 Propulsion Electronics	Propulsion	x		
13 Propulsion Electronics	PROpulsion		x	
43 Reaction Control Engines	Propulsion	x		
14 Reaction Control Engines	PROpulsion		x	
58 Reaction Wheels	Attitude Determination and Control System and Guidance, Navigation and Control	x	x	
44 Receive Antenna	Communications	x		
15 Receive Antenna	COMmunications		x	
45 Receiver	Communications	x		
16 Receiver	COMmunications		x	
46 Regulators and Converters	Structures and mechanisms	x		
17 Regulators and Converters	Structures and Mechanisms		x	
57 Secondary Structure	Command and Data Handling	x	x	
56 Separation System	Command and Data Handling	x	x	
55 Solar Array Drive Assemblies	Command and Data Handling	x	x	
47 Solar Arrays	Structures and mechanisms	x		
18 Solar Arrays	Structures and Mechanisms		x	
29 Structures and Mechanisms	FIREsat space segment		x	
54 Sun Sensor	Attitude Determination and Control System and Guidance, Navigation and Control	x	x	
23 Thermal Control	FIREsat space segment		x	
48 Transmit Antenna	Communications	x		
19 Transmit Antenna	COMmunications		x	
49 Transmitter (including high power antenna)	Communications	x		
20 Transmitter (including high power antenna)	COMmunications		x	
Note: You chose to identify WorkBench as the source of authority. 53 edges inconsistencies need to be corrected.				