DIAGNOSTIC GUIDE

Space Cadet Trainee Program
Class of 2020

Dear Space Cadet,

This is your Diagnostic Guide for debugging space ship issues.

Make sure you carefully read the instructions and only engage the necessary system.

If you are unsure about any information, contact your space ship's captain.

Unnecessary system can cause system malfunctions and will require the space ship to reset.

This will mean you are unable to access the craf controls until the reset is complete.

Good luck with your missions.

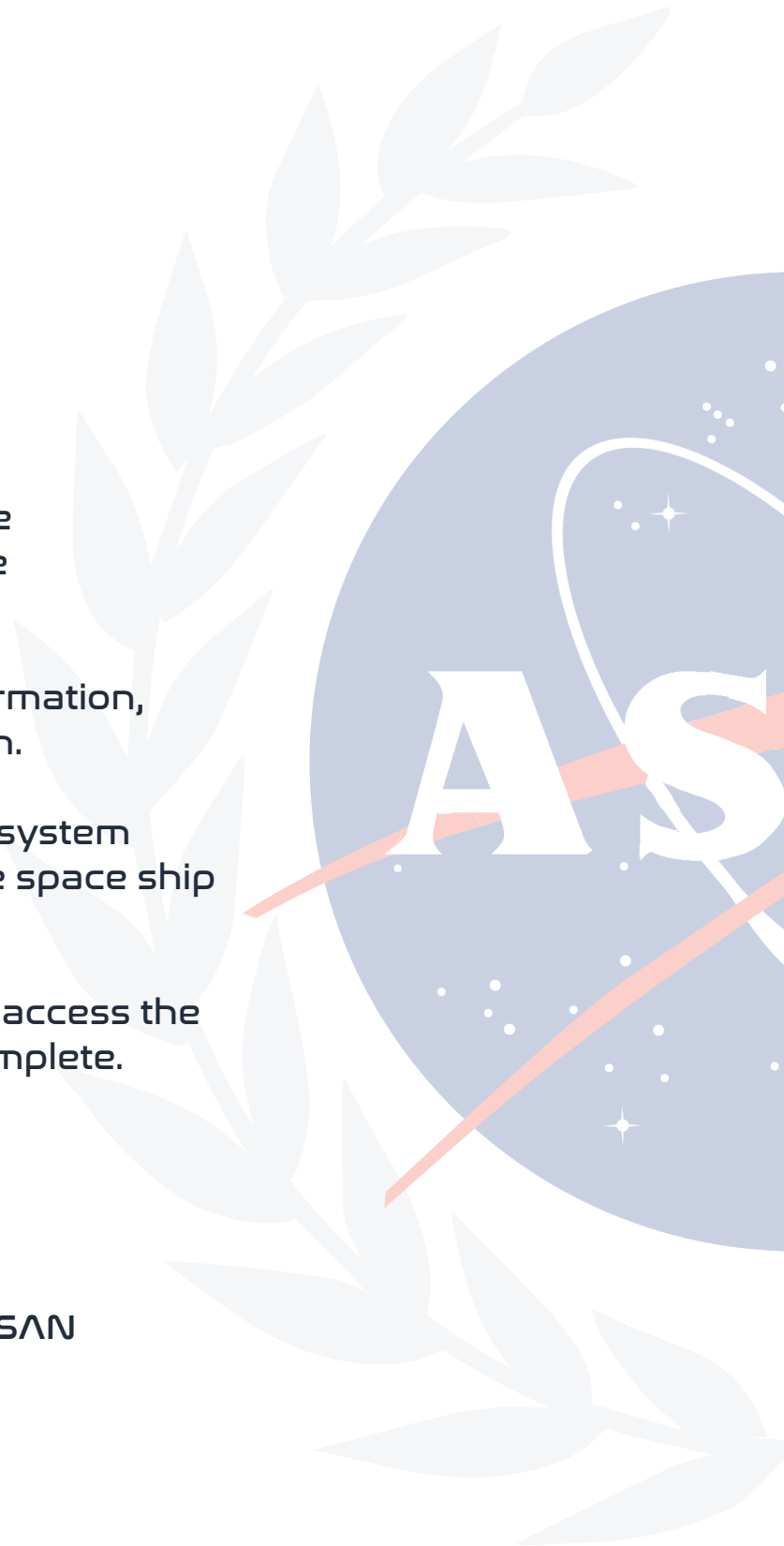Hosh Jiggason
Head of Training
Space Cadet Trainee Program, ASAN

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Stabilizing a Craft

To stablize a craft, enter the correct pitch, yaw, and roll for the desired destination, and engage the Anchors. When ready, hit Send Command.

Location	Pitch	Yaw	Roll
Sun	17	136	145
Mercury	-46	-173	-40
Venus	34	43	90
Earth	-13	-40	-86
Moon	-14	-125	92
Mars	69	-93	-114
Astroid Belt	23	-79	-38
Jupiter	8	31	-98
Saturn	-54	-161	94
Uranus	-14	-7	146
Neptune	43	-170	-65
Pluto	85	-43	142

Restarting Engines (con't.)

Model MA250

Serial Number	Engage Controls
YOVGW	Secondary Engine, Auxilliary Power, Electric
KO3LS	Primary Engine, Seconday Engine, Electric
YDT2F	Primary Engine, Seconday Engine, Electric
5S2OA	Primary Engine, Auxilliary Power, Valves
2IH61	Primary Engine, Secondary Engine, Auxilliary Power
GJLK9	Secondary Engine, Auxilliary Power, Electric
NGFDD	Auxilliary Power, Electric
3VBY5	Primary Engine, Hydraulics
DI8SG	Electric, Hydraulics, Valves
XU9EX	Auxilliary Power, Electric, Hydraulics

Restarting Engines

Restarting the engines is a complicated process. This will depend on the craft model and the serial number, which is found outside the window. When ready, hit Send Command.

Model NY737

Serial Number	Engage Controls
YO58N	Auxilliary Power, Electric, Hydraulics
NFQCX	Primary Engine, Auxilliary Power
1SWQY	Secondary Engine, Auxilliary Power, Electric
TPLQA	Primary Engine, Seconday Engine, Valves
GABFI	Primary Engine, Seconday Engine, Electric
GV195	Electric, Hydraulics, Valves
L4CNO	Primary Engine, Secondary Engine, Auxilliary Power
2RRFT	Secondary Engine, Auxilliary Power, Electric
3RQF8	Auxillary Power, Hydraulics
1C180	Electric, Hydraulics, Valves

Model CA259

Serial Number	Engage Controls
VLH5W	Auxilliary Power, Electric, Hydraulics
04P95	Primary Engine, Seconday Engine, Electric
25O2X	Secondary Engine, Hydraulics, Valves
SOER2	Secondary Engine, Auxilliary Power, Electric
21737	Primary Engine, Seconday Engine, Electric
OG56W	Primary Engine, Auxilliary Power, Valves
C387P	Electric, Hydraulics, Valves
SJWHJ	Electric, Valves
FRT6B	Secondary Engine, Hydraulics
3V4CT	Auxilliary Power, Electric, Hydraulics

Probe Calibration

Recalibrating the probe is depend on the probe's model. Although we do not know the probe's serial number, we can usually identify it based on its features. When ready, hit Send Command.

Probe Base	Additions
Contains Red	Red paint requires shielding when callibrating
Contains Yellow	Yellow paint needs the anchors to be deployed
Contains Blue	Blue paint requires valves to be engaged
Contains Black	Black paint is durable and has no additions
Contains White	White requires the airlocks to be engaged

Probe Tip	Power Supply
Sphere	Primary Engine
Cube	Secondary Engine
Tetrahedon	Auxillary Power
Cylinder	Primary Engine

Control Surface Adjustment

The control surface status is indicated by the blinking lights on the wing tips. the values in order for Pitch, Yaw, and Roll and use Auxilliary power.

Morse Code	Letter	Number
. —	A	1
	...	...
—..	D	4
	...	...
—.—	K	11
	...	...
—.	N	14
	...	...
..—	U	21
	...	...
—..—	X	24
	...	...
——..	Z	26

Note: Sometimes spacecraft are filled with production flaws. These are usually noted on the inside of the shutters.

Wing Realignment

Wing Alignment is a challenging task. This will be based off of the shapes engraved on the wing flap. Each shape has a set of codes associated with it. Find the code accepted by both the top and bottom flap. Press the buttons with associated code values.
Hit Send Command to enter.

Top Flap Shape	Accepted Code Values		
Circle	1,3,6	8,6,1	6,2,7
Triangle	3,5,3	6,7,4	5,3,8
Square	9,2,4	8,4,6	7,6,9
Pentagon	8,7,3	2,1,3	8,9,4
Hexagon	4,8,8	4,1,9	3,4,5
Octagon	5,7,9	1,1,6	3,4,6

Bottom Flap Shape	Accepted Code Values		
Circle	7,6,9	1,1,6	1,3,6
Triangle	8,6,1	6,7,4	5,7,9
Square	8,4,6	8,7,3	4,8,8
Pentagon	3,5,3	8,9,4	2,1,3
Hexagon	4,1,9	3,4,5	5,3,8
Octagon	3,4,6	6,2,7	9,2,4

Code Value	Button
1	Primary Engine
2	Secondary Engine
3	Auxilliary Power
4	Air Lock
5	Shields
6	Anchors
7	Electric
8	Hydraulics
9	Valves