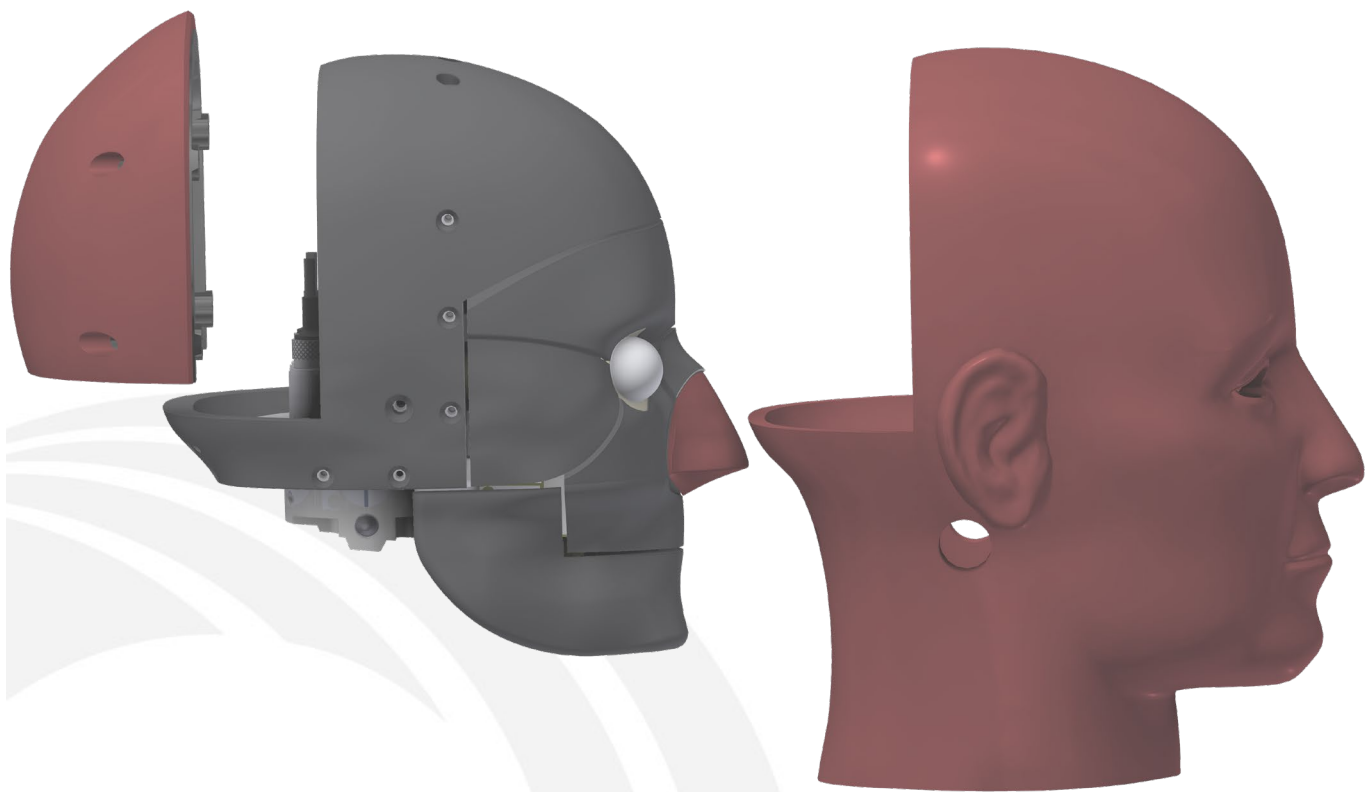




Parts Catalog

FOCUS-5F 675-1000



FOCUS-5F

Facial and Ocular Countermeasures for Safety



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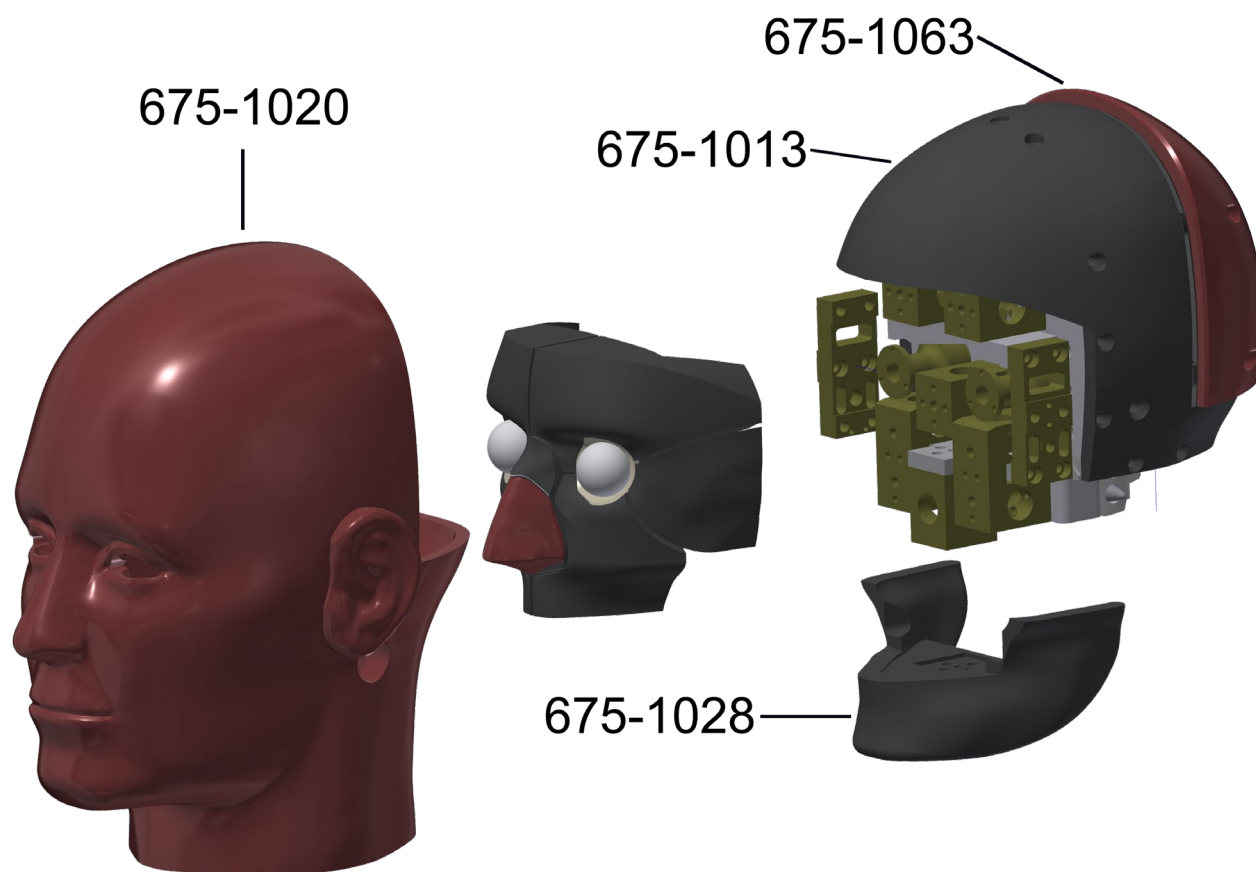
Background

Humanetics collaborated with the Virginia Tech - Wake Forest Center for Injury Biomechanics and the U.S. Army Aeromedical Research Laboratory to develop the original 50th percentile physical headform capable of measuring facial and eye impact loads. The headform is used to test and evaluate various protective devices and other equipment under impact events.

The FOCUS-5F is a 5th percentile female sized version with the bone and skin biofidelity of a 5th percentile female head. The headform supplies data and results for all anterior and lateral orientations for the bone and skin testing. The FOCUS-5F is designed as a modular system with the ability to select the instrumentation applicable for a variety of test scenarios. The headform features 8 discrete facial bones, 2 synthetic eye modules, and up to 11 available load cells, and is compatible with the standard Hybrid-III neck.

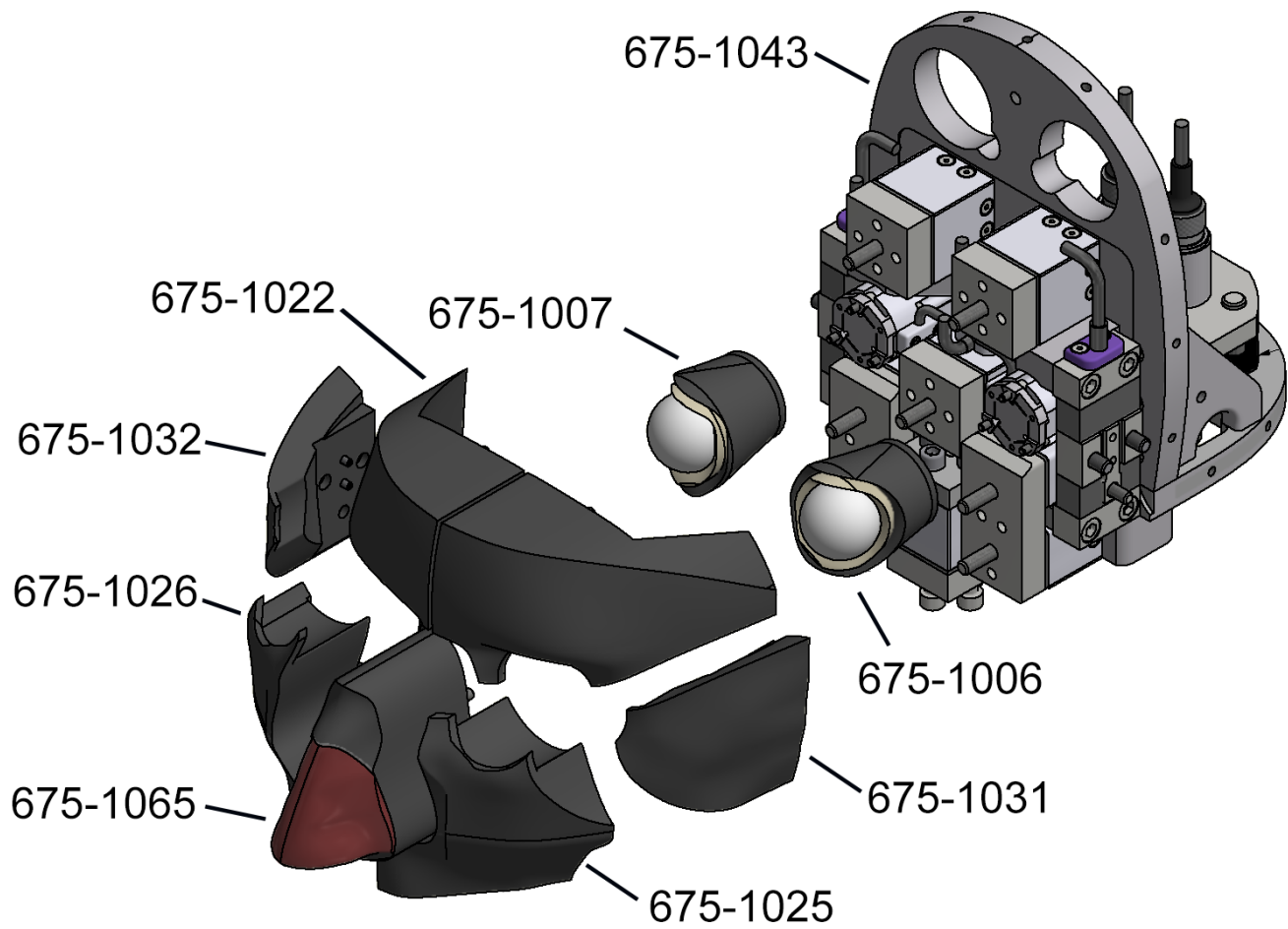


Headform Assembly



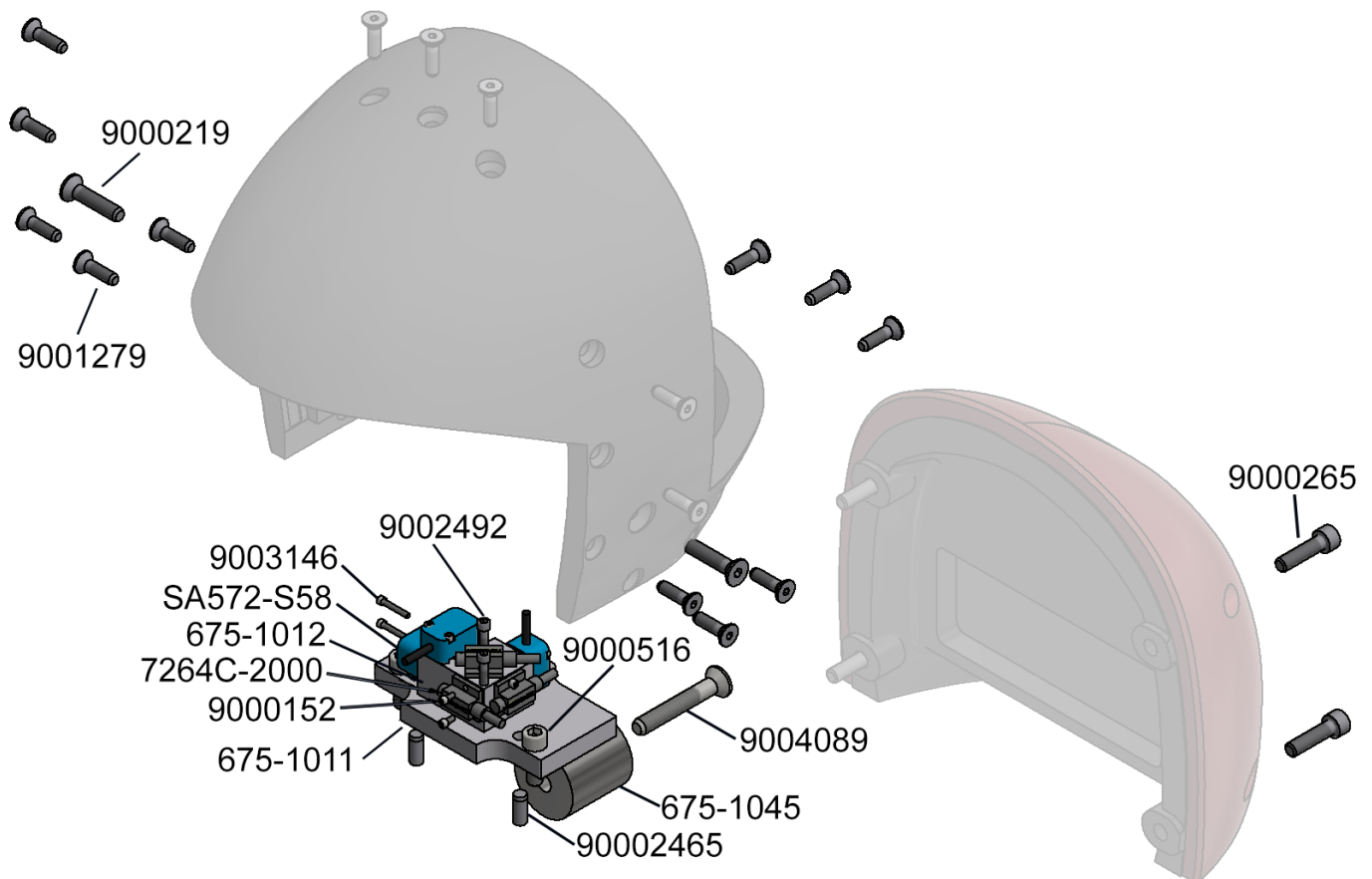
Item	Qty	Part Number	Description
1	1	675-1020	HEAD SKIN
2	1	675-1013	SKULL BONE ASSY.
3	1	675-1063	SKULL CAP ASSY.
4	1	675-1028	MANDIBLE BONE ASSY.

Skull Assembly 1



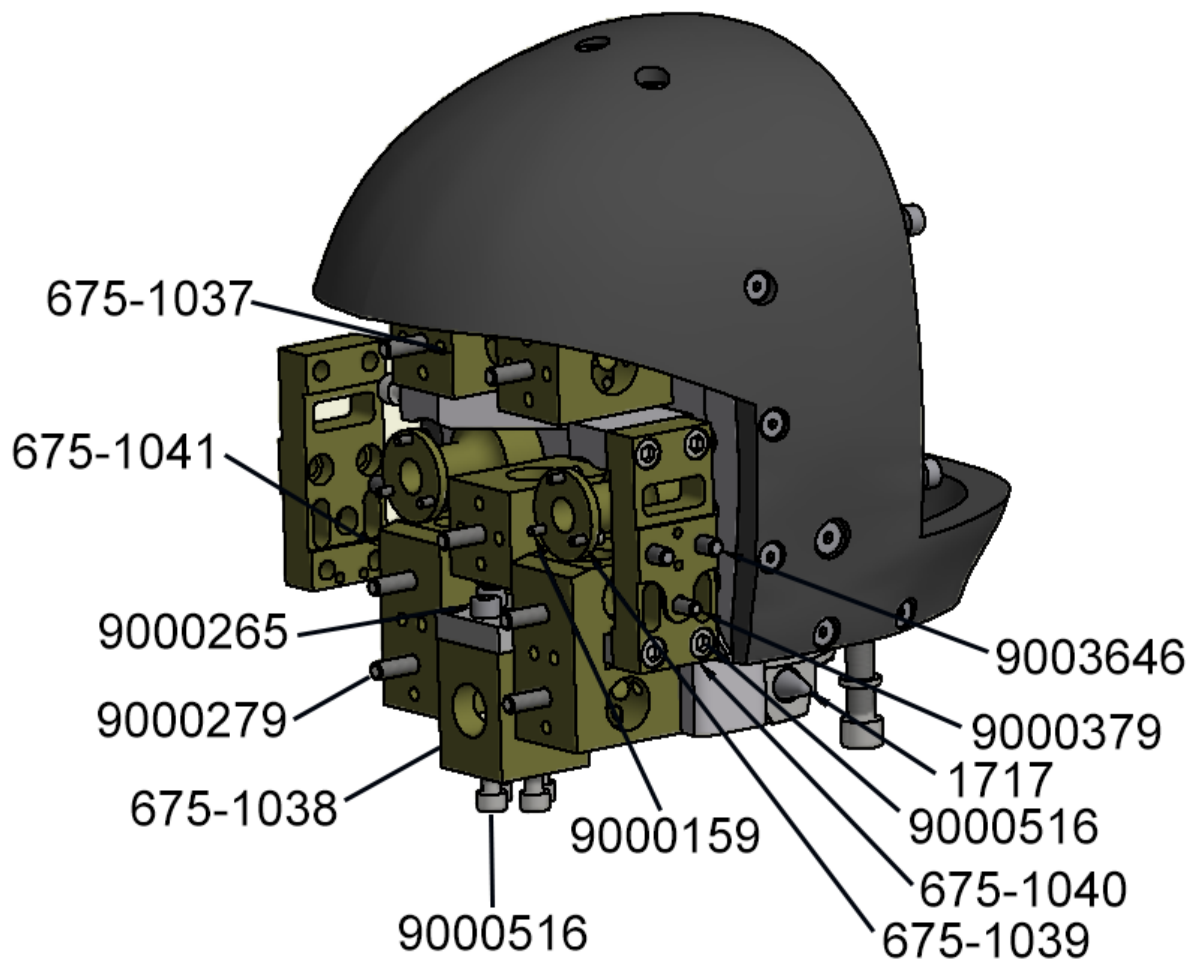
Item	Qty	Part Number	Description
1	1	675-1006	EYE ASSEMBLY - LEFT
2	1	675-1007	EYE ASSEMBLY - RIGHT
3	1	675-1022	FRONTAL BONE ASSY. - RIGHT
4	1	675-1025	MAXILLA BONE ASSY. - LEFT
5	1	675-1026	MAXILLA BONE ASSY. - RIGHT
6	1	675-1031	ZYGOMA BONE ASSY. - LEFT
7	1	675-1032	ZYGOMA BONE ASSY. - RIGHT
8	1	675-1043	SKULL FRAME ASSY
9	1	675-1065	NOSE ASSY.

Skull Assembly 2

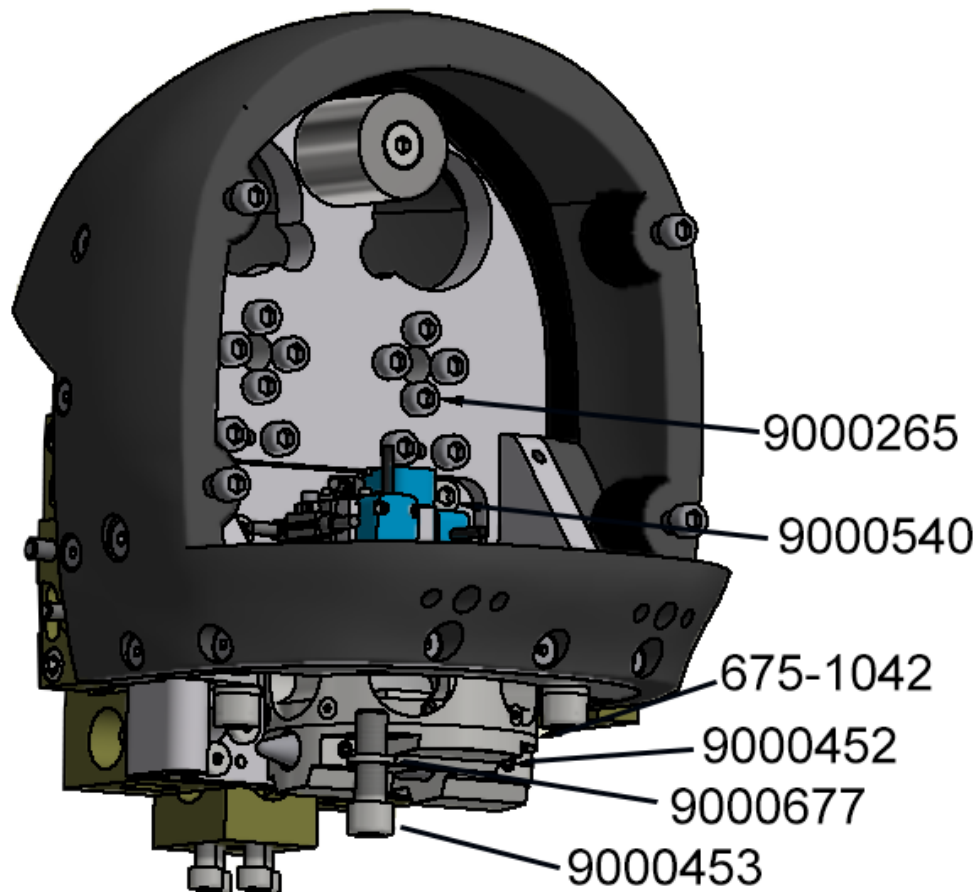


Item	Qty	Part Number	Description
1	1	675-1011	HEAD ACCELEROMETER MOUNT
2	1	675-1012	DTS ARS/TRIAXIAL MNT. BLK.
3	1	675-1045	HEAD BALLAST
4	6	9000152	#0-80 X 1/8 LG. SHCS
5	2	9000219	#8-32 X 3/4 LG. FHCS
6	16	9000265	#8-32 X 5/8 LG. SHCS
7	15	9000516	#8-32 X 1/2 LG. SHCS
8	16	9001279	#6-32 X 1/2 LG. FHCS
9	2	90002465	5/32 X 3/8 LG. DOWEL
10	2	9002492	#2-56 X 3/4 LG. SHCS
11	6	9003146	#0-80 X 3/8 LG. SHCS
12	1	9004089	#10-24 X 1 1/4 LG. FHCS
13	3	7264C-2000	ACCELEROMETER
14	3	SA572-S58	ANGULAR RATE SENSOR-18K)

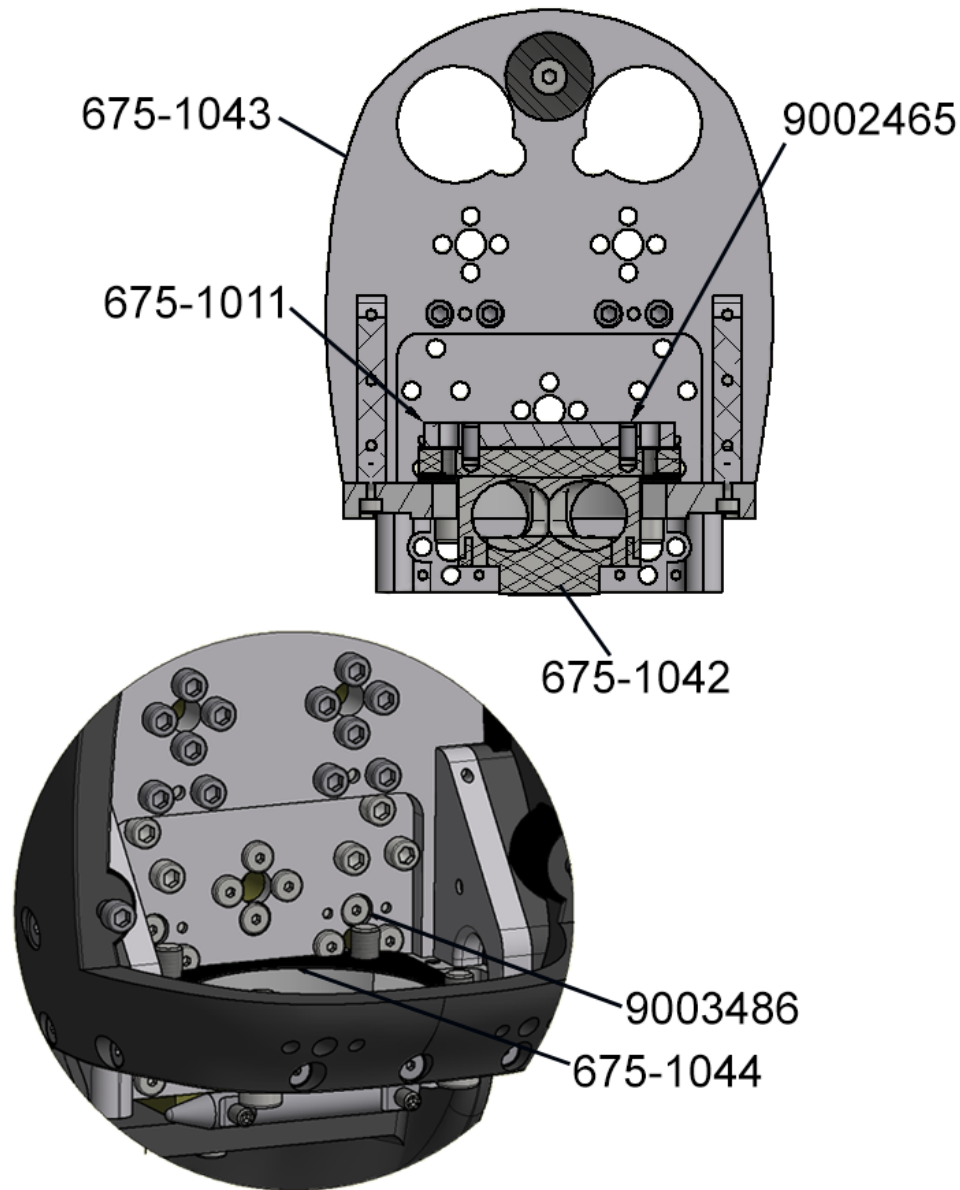
Skull Assembly 3



Item	Qty	Part Number	Description
1	3	675-1037	FRONTAL/NASAL S.R.
2	1	675-1038	MANDIBLE S.R.
3	2	675-1039	EYE S.R.
4	2	675-1040	ZYGOMA S.R.
5	2	675-1041	MAXILLA S.R.
6	6	9000159	#2-56 X 1/4 LG. SHCS
7	16	9000265	#8-32 X 5/8 LG. SHCS
8	7	9000279	#8-32 X 3/4 LG. SHCS
9	2	9000379	#6-32 X 3/8 LG. SHCS
10	15	9000516	#8-32 X 1/2 LG. SHCS
11	4	9003646	#8-32 X 7/16 LG. SHCS
12	1	1717	PIVOT PIN NECK

Skull Assembly 4

Item	Qty	Part Number	Description
1	1	675-1042	UPPER NECK S.R.
2	16	9000265	#8-32 X 5/8 LG. SHCS
3	2	9000452	#8-32 X 1/4 LG. SSSCP
4	4	9000453	1/4-28 X 3/4 LG. SHCS
5	6	9000540	#8-32 X 3/8 LG. SHCS
6	4	9000677	1/4 X 1/16 THICK SHOULDER SCREW SHIM

Skull Assembly 5

Item	Qty	Part Number	Description
1	1	675-1011	HEAD ACCELEROMETER MOUNT
2	1	675-1042	UPPER NECK S.R.
3	1	675-1043	675-1043
4	1	675-1044	NECK SHIM
5	2	9002465	5/32 X 3/8 LG. DOWEL
6	3	9003486	#8-32 X 3/8 LG. LHCS

Instrumentation

Description	Load Cell Model	Structural Rep.	Bone Segment
Left Frontal	12935JLN2	675-1037	675-1021
Right Frontal	12935JLN2	675-1037	675-1022
Nasal	12930JLN2	675-1037	675-1065
Left Zygoma	12945JLN2	675-1040	675-1031
Right Zygoma	12940JLN2	675-1040	675-1032
Left Maxilla	12950JLN2	675-1041	675-1025
Right Maxilla	12950JLN2	675-1041	675-1026
Left Eye	12965JLN2	675-1039	675-1006
Right Eye	12960JLN2	675-1039	675-1007
Mandible	12955JLN2	675-1038	675-1028
Upper Neck	12970JLN2	675-1042	N/A
(3x) SA572-S58 ANGULAR RATE SENSOR-18K			
(3x) 7264C-2000 ACCELEROMETER			

