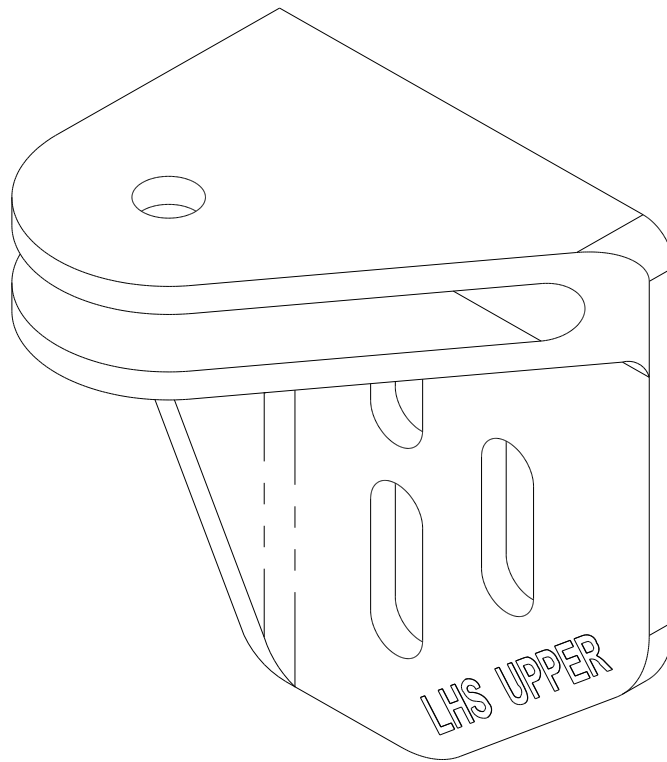




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OIL COOLER SUPPORT BRACKET, KIT ILLUSTRATED PARTS BREAKDOWN

MODELS: BELL 212, 412, 412CF & 412EP

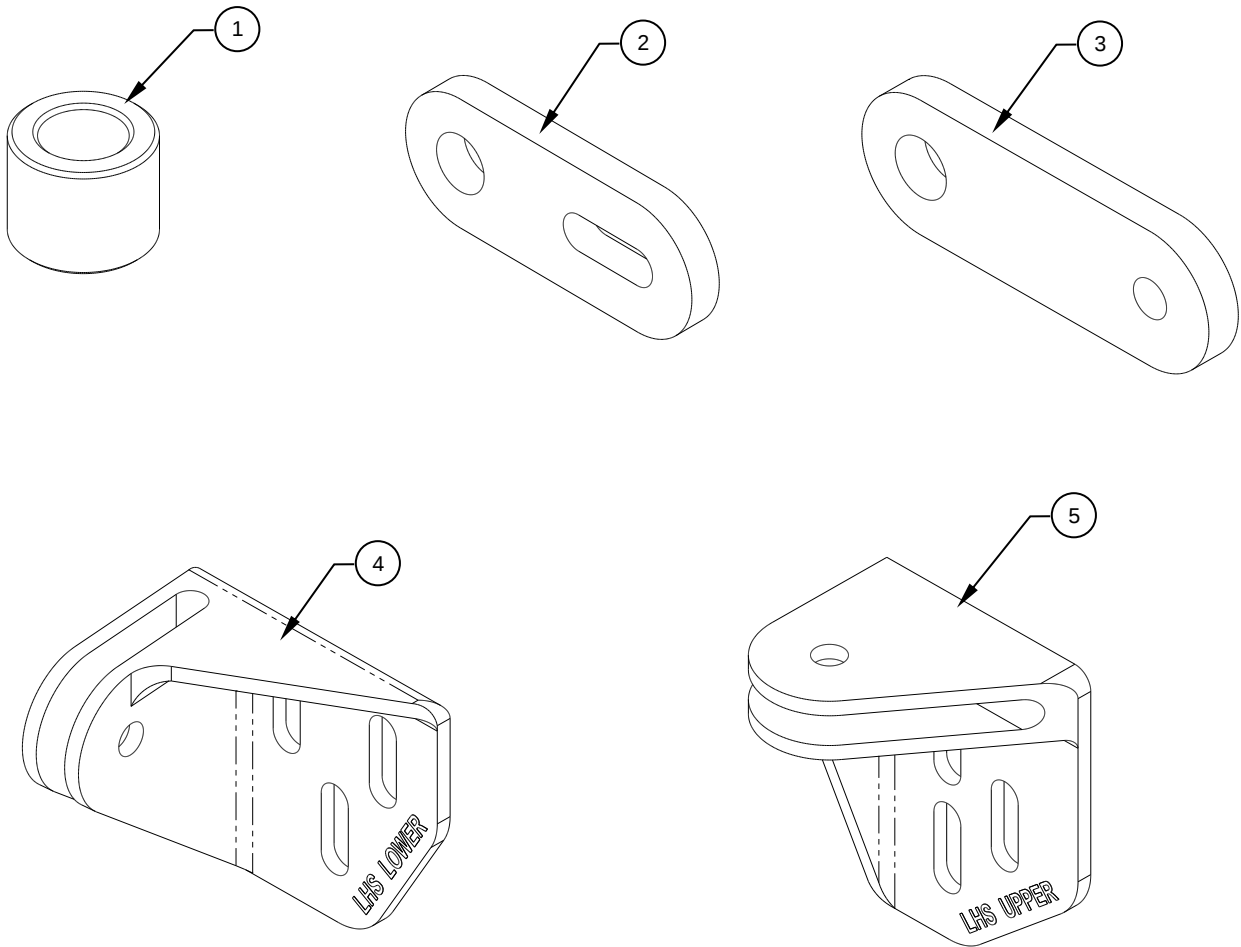


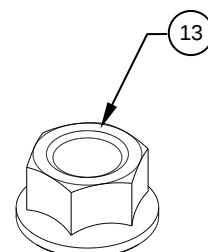
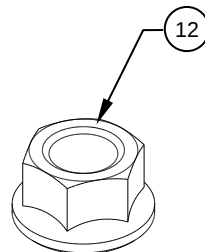
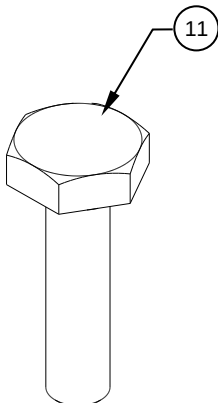
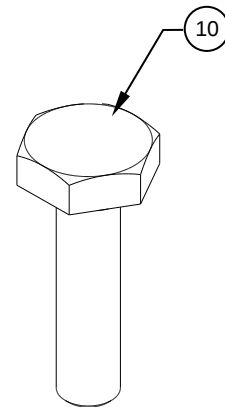
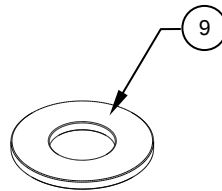
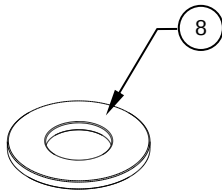
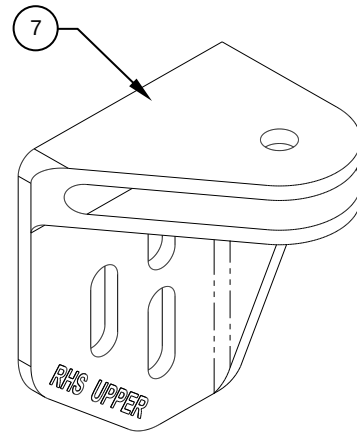
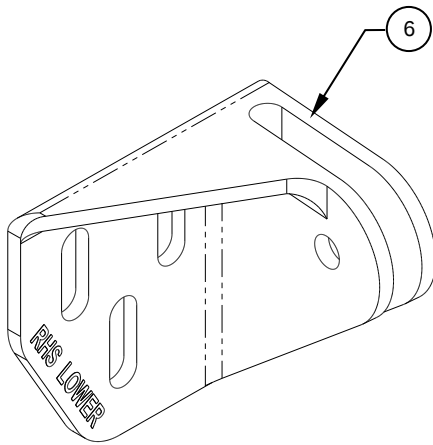


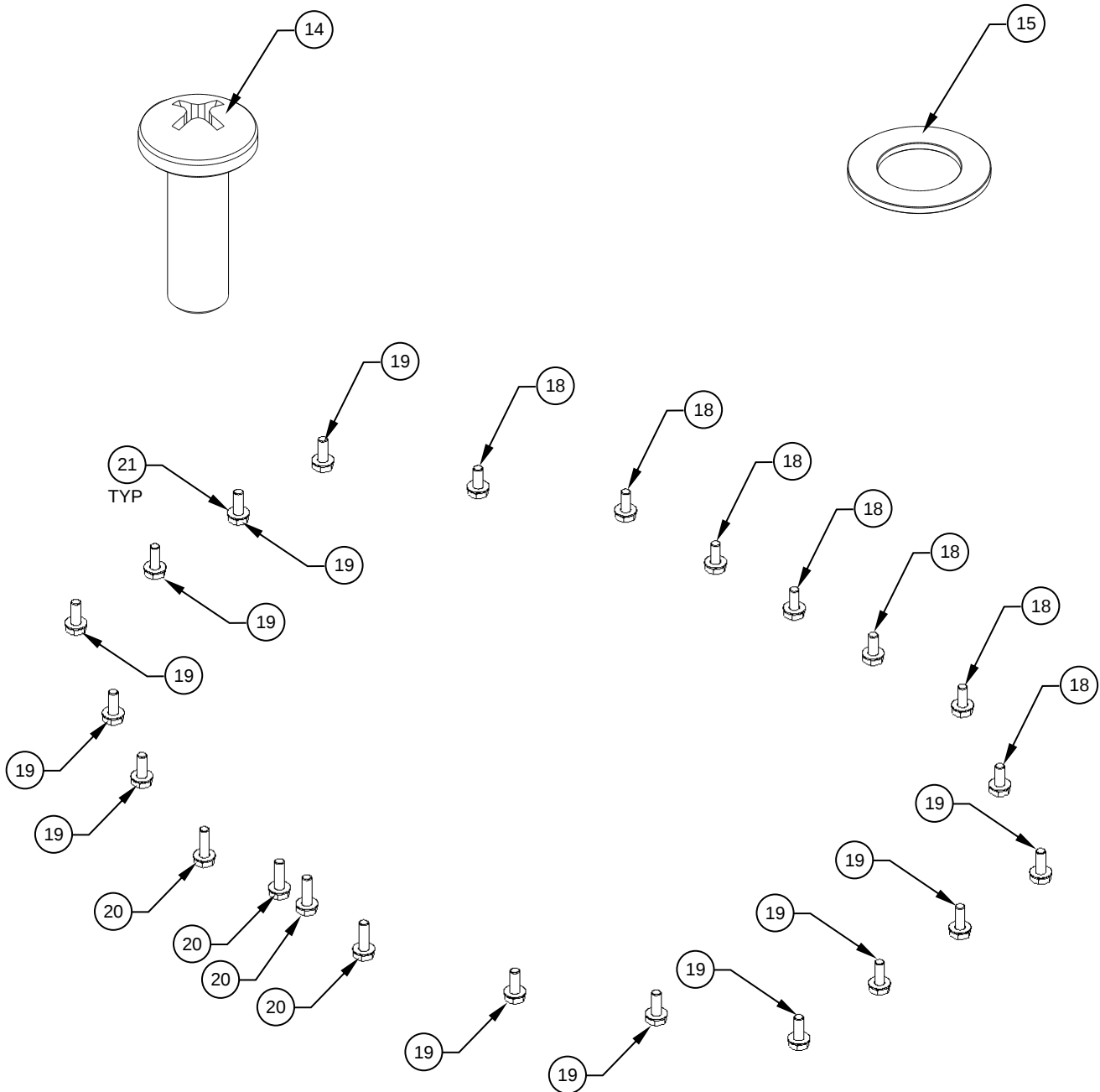
General Notes

1. Alternate Part Numbers shown for applicable items.
2. Item 31 (P/S 700) is **not** shown and **not** supplied. Procure locally.
3. If changes to this document are required, Alpine Aerotech LP shall revise all pages and reissue the entire document.
4. Alpine Aerotech LP shall make any subsequent revisions of this document available free of charge upon request. Alpine Aerotech LP also recommends that the end user of this product periodically verify the revision level of this document.

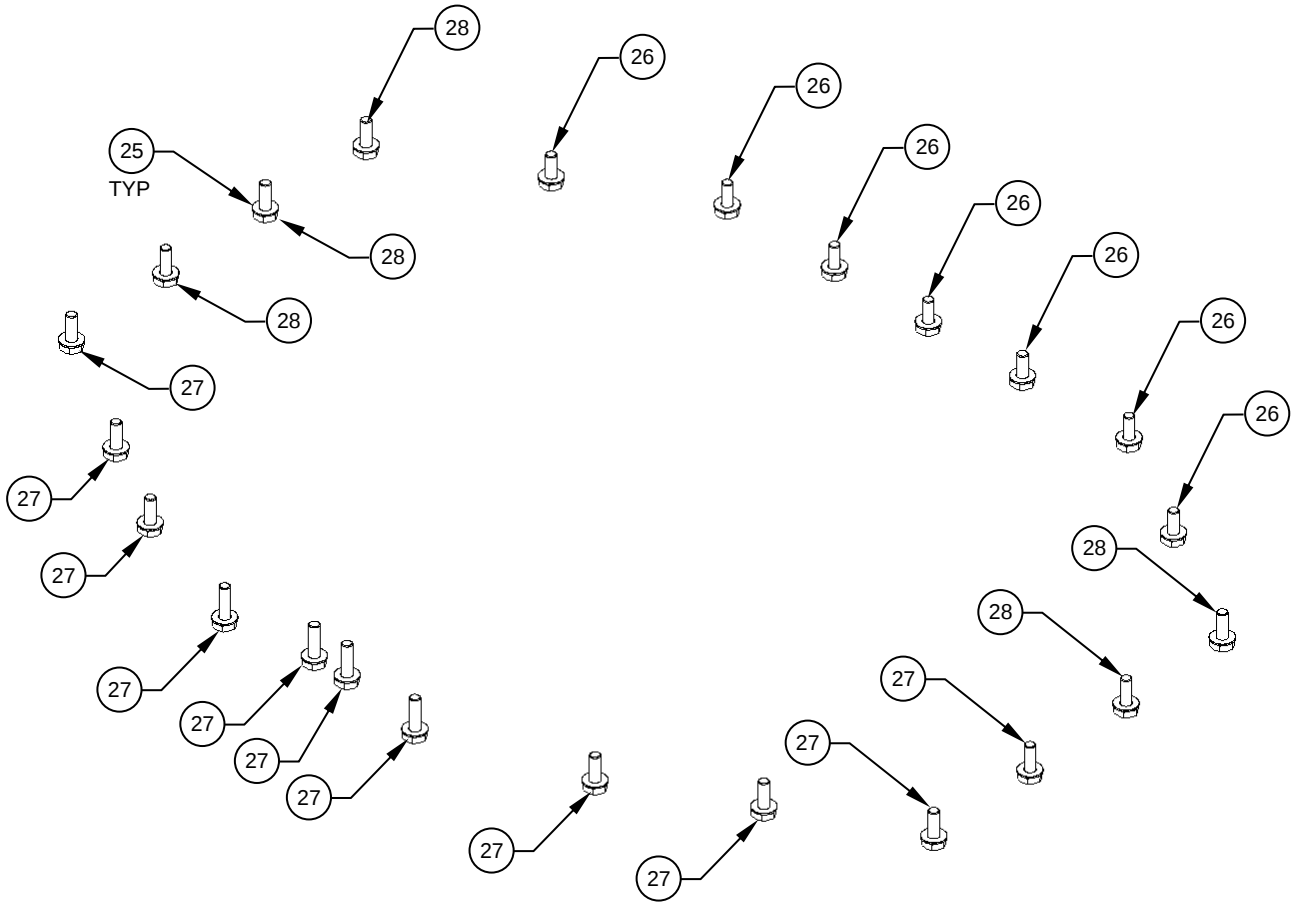
Illustrated Parts Breakdown



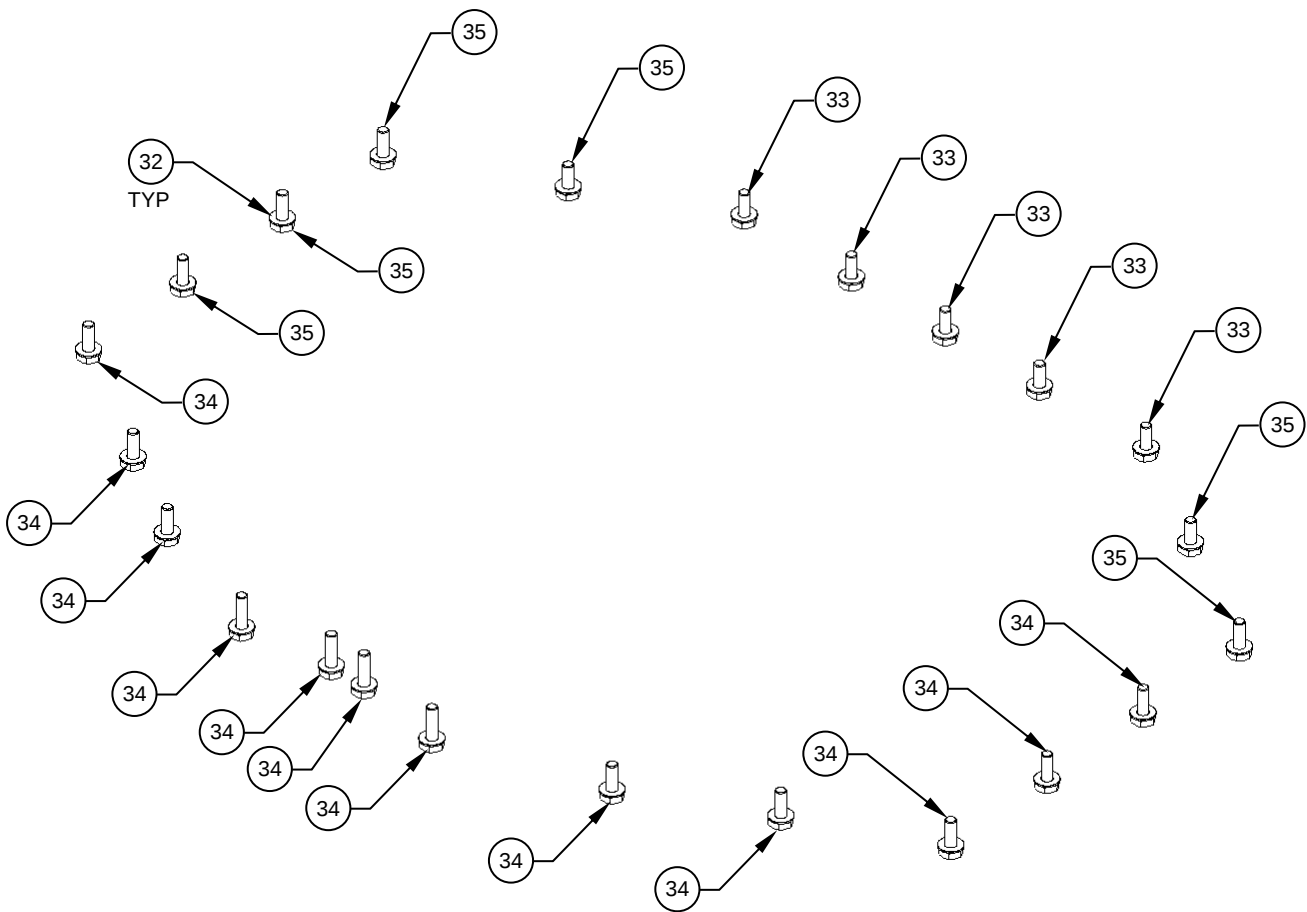




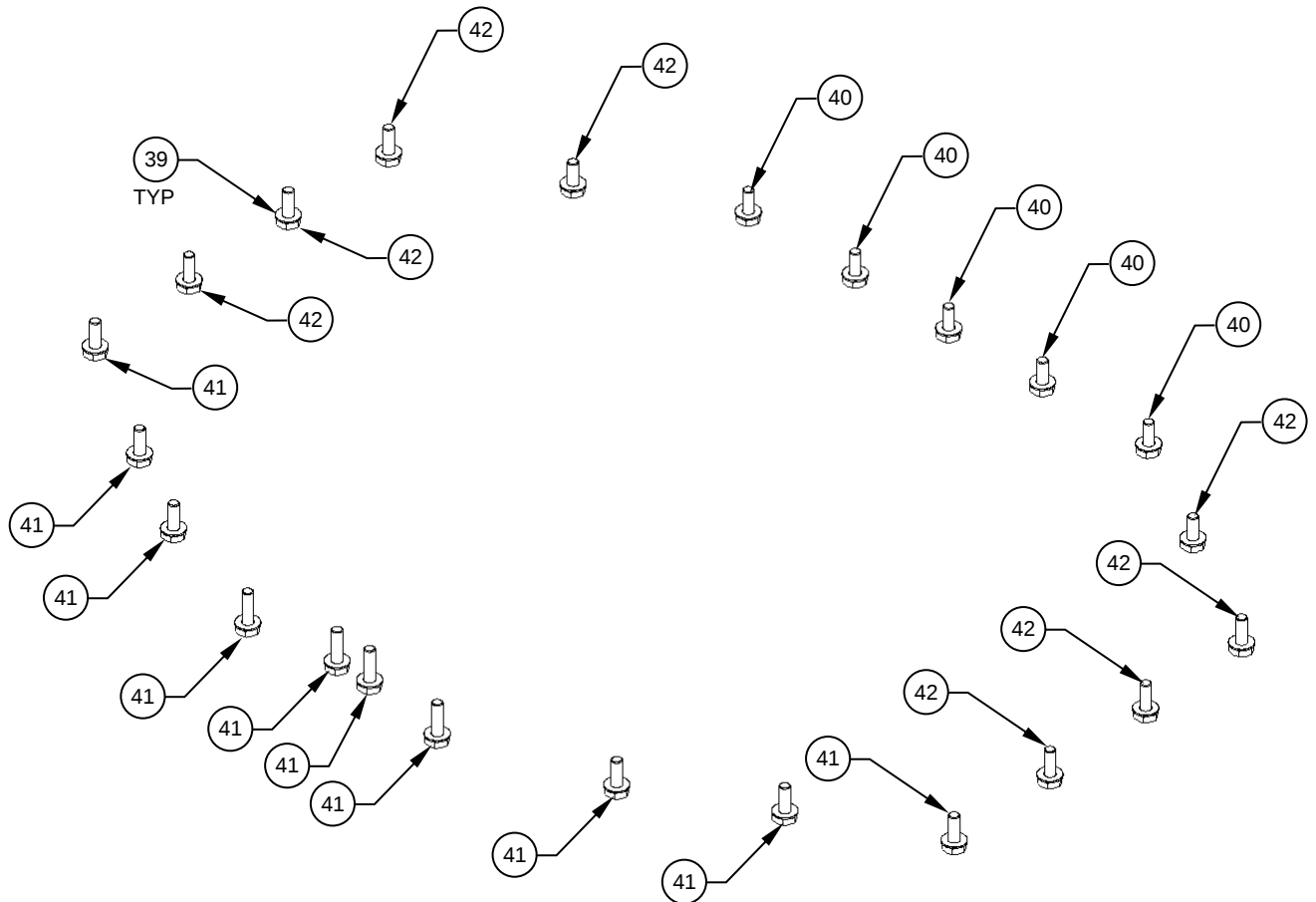
Hardware Kit
(Item 17)



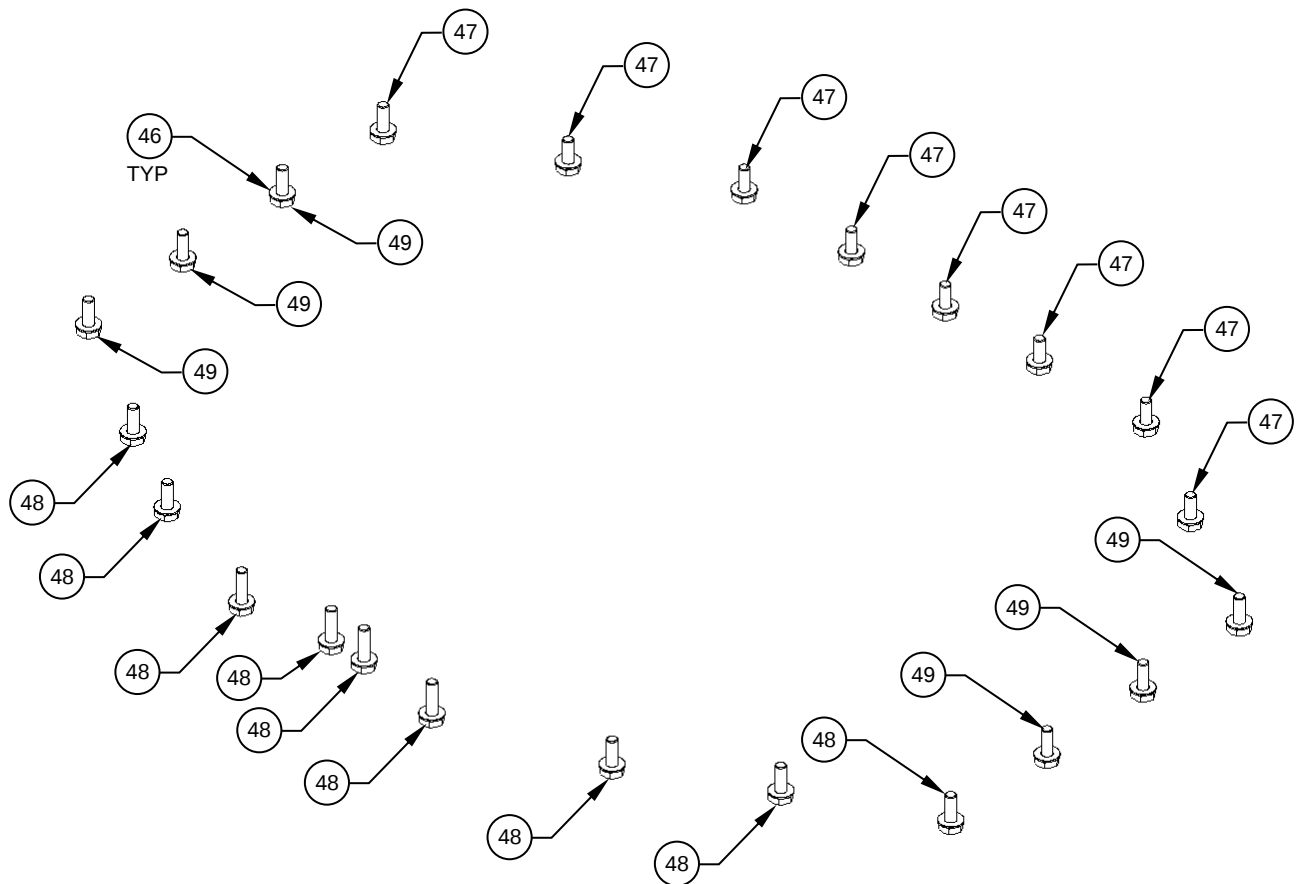
Hardware Kit
(Item 24)



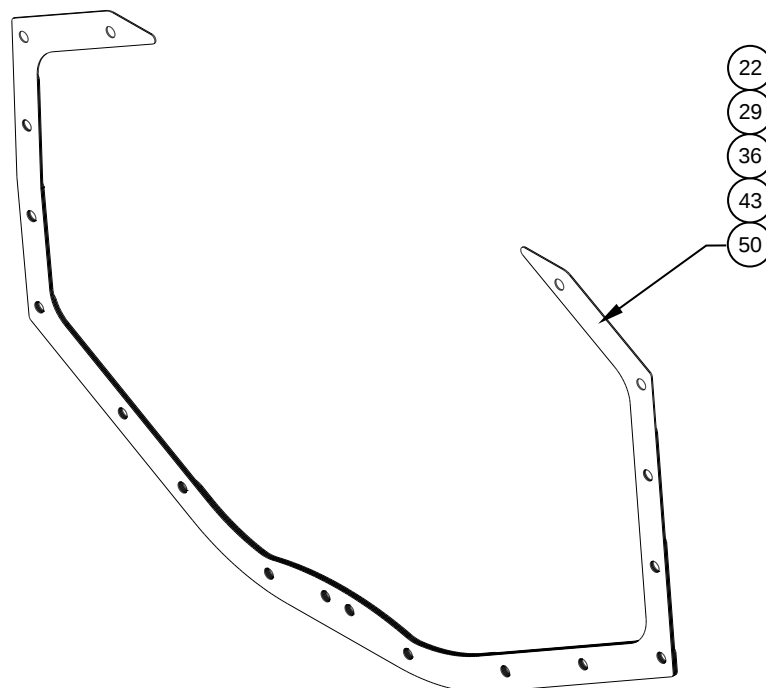
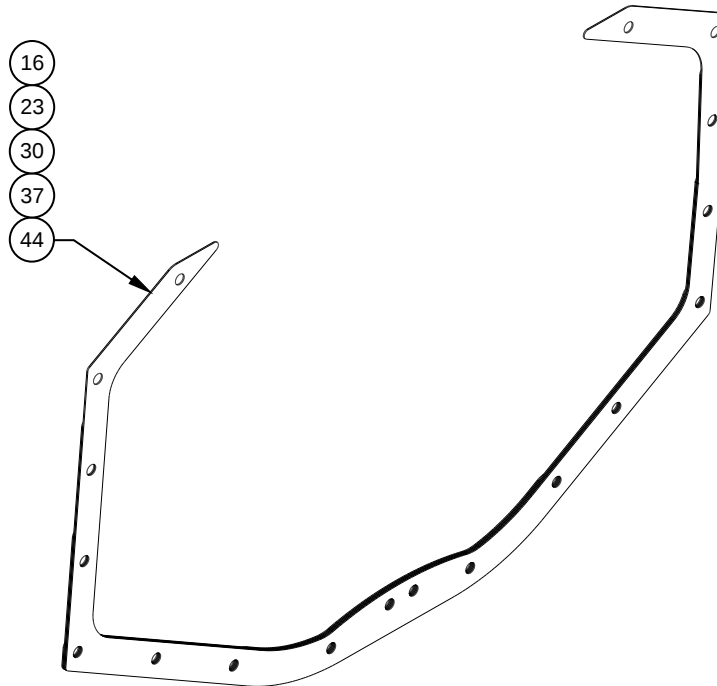
Hardware Kit
(Item 31)



Hardware Kit
(Item 38)



Hardware Kit
(Item 45)





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ITEM	QTY	NUMBER	DESCRIPTION	MATERIAL	REF STOCK SIZE	SPEC	FINISH	MANUFACTURER	NCAGEC
-	-	AAL-214-010-001	OIL COOLER SUPPORT BRACKET, KIT	C/O SHADED ITEMS ONLY					
1	4	NAS43HT3-17	SPACER, DETAIL	SEE SPEC	SEE SPEC	NAS43	SEE SPEC	SOURCE AS REQUIRED	NA
2	2	AAL-214-012-005	LINK, DETAIL, UPPER	2024-T4 ALUMINUM	(.188 x .750 x 1.960)	AMS 4120	SEE SPEC	ALPINE AEROTECH LTD.	L0171
3	2	AAL-061-210-001	LINK, DETAIL	ALUMINUM	.750 X .1875	QQ-A-200/3	SEE SPEC	ALPINE AEROTECH LTD.	L0171
4	1	AAL-214-012-001	BRACKET, DETAIL, LOWER, LHS	7075-T6 ALUMINUM	(1.55 x 1.86 x	AMS 4122	SEE SPEC	ALPINE AEROTECH LTD.	L0171
5	1	AAL-214-012-003	BRACKET, DETAIL, UPPER, LHS	7075-T6 ALUMINUM	(1.35 x 1.60 x	AMS 4122	SEE SPEC	ALPINE AEROTECH LTD.	L0171
6	1	AAL-214-012-002	BRACKET, DETAIL, LOWER, RHS	7075-T6 ALUMINUM	(1.55 x 1.86 x	AMS 4122	SEE SPEC	ALPINE AEROTECH LTD.	L0171
7	1	AAL-214-012-004	BRACKET, DETAIL, UPPER, RHS	7075-T6 ALUMINUM	(1.35 x 1.60 x	AMS 4122	SEE SPEC	ALPINE AEROTECH LTD.	L0171
8	20	NAS1149F0332P	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
9	8	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
10	4	AN3-6A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
11	4	AN3C6A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
12	4	MS21043-3	NUT, SELF LOCKING	SEE SPEC	SEE SPEC	NASM21045	SEE SPEC	SOURCE AS REQUIRED	NA
13	4	NAS9926-3L	NUT, SELF LOCKING	SEE SPEC	SEE SPEC	NAS9926	SEE SPEC	SOURCE AS REQUIRED	NA
14	12	MS27039-1-09	SCREW, MACHINE	SEE SPEC	SEE SPEC	NASM27039	SEE SPEC	SOURCE AS REQUIRED	NA
15	8	NAS1149C0532R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
16	1	AAL-238-011-001	SHIM, ASSY, LHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
17	2	AAL-214-010-002	HARDWARE, KIT	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
18	7	AN3C3A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
19	12	AN3C4A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
20	4	AN3C5A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
21	23	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
22	1	AAL-238-011-002	SHIM, ASSY, RHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
23	1	AAL-238-011-003	SHIM, ASSY, LHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
24	2	AAL-214-010-003	HARDWARE, KIT	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
25	23	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
26	6	AN3C3A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
27	11	AN3C5A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
28	6	AN3C4A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA



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ITEM	QTY	NUMBER	DESCRIPTION	MATERIAL	REF STOCK SIZE	SPEC	FINISH	MANUFACTURER	NCAGEC
29	1	AAL-238-011-004	SHIM, ASSY, RHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
30	1	AAL-238-011-005	SHIM, ASSY, LHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
31	2	AAL-214-010-005	HARDWARE, KIT	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
32	23	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
33	5	AN3C3A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
34	12	AN3C5A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
35	6	AN3C4A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
36	1	AAL-238-011-006	SHIM, ASSY, RHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
37	1	AAL-238-011-007	SHIM, ASSY, LHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
38	2	AAL-214-010-007	HARDWARE, KIT	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
39	23	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
40	5	AN3C3A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
41	15	AN3C5A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
42	3	AN3C4A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
43	1	AAL-238-011-008	SHIM, ASSY, RHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
44	1	AAL-238-011-009	SHIM, ASSY, LHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
45	2	AAL-214-010-009	HARDWARE, KIT	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
46	23	NAS1149C0332R	WASHER, FLAT	SEE SPEC	SEE SPEC	NAS1149	SEE SPEC	SOURCE AS REQUIRED	NA
47	8	AN3C4A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
48	9	AN3C6A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
49	6	AN3C5A	BOLT, MACHINE	SEE SPEC	SEE SPEC	NASM3THRU20	SEE SPEC	SOURCE AS REQUIRED	NA
50	1	AAL-238-011-010	SHIM, ASSY, RHS	NA	NA	NA	NA	ALPINE AEROTECH LTD.	L0171
51	1	NA	SEALANT, FIREWALL	PS 700	SEE MFR	MIL-S-38249	NA	PRC DESOTO INTERNATIONAL	83574