

Northern[®]

RADIATOR

INDUSTRIAL / SPECIALTY

APPLICATION CATALOG

- FORKLIFT
- OIL PUMPS
- STATIONARY ENGINES
- WELDERS
- WOODCHIPPER
- AIRPORT GROUND
SERVICE EQUIPMENT *AND MORE!*



RADIATORS • CHARGE AIR COOLERS • OIL COOLERS • ACCESSORIES

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FORKLIFT RADIATOR OEM CROSSOVER

OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #
ALLIS CHALMERS/KALMAR		CLARK (CONT.)		HYSTER (CONT.)		HYSTER (CONT.)	
4966498	246034	2795263	246021	1387260	246270	8504194	246092
4968968	246044	2817434	246282	1387270	246318	8504199	246090
4968970	246033	2819131	246282	1388911	246297	8504201	246089
4969676	246037	2819132	246282	1396750	246297	8504627	246123
8761212	246048	2819133	246282	1452142	246270	8504627	246295
8761213	246049	HYSTER		1452142	246270	8504628	246125
8764958	246027	52001	246123	1456899	246296	8504628	246305
3EA0451110	246225	52001	246295	1457900	246318	8504676	246076
3EA04A2160	246044	72000	246125	1458287	246089	8504677	246079
3EA04F2110	246139	72000	246305	1519610	246316	8504679	246094
3EA04F2210	246033	123575	246276	1736545	246123	8508901	246085
3EA04F2310	246034	123576	246276	1736545	246295	8508901	246126
3EB04A5111	246048	173170	246125	1737170	246125	8508902	246078
3EB04A5211	246049	173170	246305	1737170	246305	8516828	246083
3EB04A6110	246220	196492	246274	2000153	246092	8516829	246081
3EB04A7210	246227	196495	246274	2000161	246090	8517302	246082
3EB04F2100	246044	228830	246281	2021741	246086	8518410	246079
3EB04F2110	246044	228837	246281	2035469	246091	8518411	246080
3EB04F5110	246010	237633	246275	2037521	246299	8520318	246269
3EB04F5110	246010	257182	246275	2037936	246123	520035884	246092
3EC04A2510	246037	261190	246277	2037936	246295	524140816	246090
3EC04A5310	246027	265198	246278	2038182	246076	580000164	246299
3EC04A6210	246221	308594	246281	2038183	246079	580002232	246297
CASE/IH		344824	246281	2038185	246094	580002789	246091
234876A	219952	373103	246296	2043720	246085	580003258	246092
234876A1	219952	410189	246297	2043721	246078	580011813	246299
234876A2	219952	825282	246275	2054530	246083	580013390	246076
234882A1	219952	1310573	246318	2054531	246081	580013390	246079
239739A1	219952	1314217	246318	2054879	246324	580013391	246079
239739A2	219952	1329169	246213	2055337	246084	580013393	246094
A171080	219533	1338328	246290	2055338	246082	580015725	246123
A171356	219533	1339821	246270	2057820	246079	580015725	246295
CLARK		1344065	246087	2057821	246080	580015726	246125
925195	246282	1344080	246088	2605251	246316	580015726	246305
925196	246282	1371573	246089	3089232	246307	580018726	246125
2786946	246023	1375909	246076	3089232	246309	580018726	246305
2792275	246022	1383525	246296	8217301	246084	580021191	246085
2795262	246020	1387250	246296	8504136	246091	580021191	246126

FORKLIFT OEM CROSSOVER

FORKLIFT RADIATOR OEM CROSSOVER

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OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #
HYSTER (CONT.)		KALMAR/AC (CONT.)		KOMATSU (CONT.)		MCFA/MITSUBISHI/ CATERPILLAR (CONT.)	
580021192	246078	8761212	246048	3EB04A2410	246046	9360110400	246110
580033851	246316	8761213	246049	3EB04A5111	246048	9360120200	246109
580035306	246081	8764958	246027	3EB04A5211	246049	9360120400	246110
580035647	246324	3EA0451110	246225	3EB04A5410	246050	9360130400	246110
580037662	246076	3EA04A2160	246044	3EB04A5411	246050	9370120100	246111
580037662	246079	3EA04F2110	246139	3EB04A6110	246220	9370120101	246111
580037663	246090	3EA04F2210	246033	3EB04A7210	246227	9370130100	246111
580061780	246307	3EA04F2310	246034	3EB04F2100	246044	9370140100	246111
580061780	246309	3EB04A5111	246048	3EB04F2110	246044	9370150100	246111
912495601	246086	3EB04A5211	246049	3EB04F2610	246045	93101116400	246108
913827600	246215	3EB04A6110	246220	3EB04F5110	246010	91B0100030	246236
9150101200	246093	3EB04A7210	246227	3EB04F5110	246010	91E0100010	246235
9160102800	246093	3EB04F2100	246044	3EC04A1120	246036	93B0110020	246240
1337002	246299	3EB04F2110	246044	3EC04A1420	246039	93E0100010	246239
1A17765	246270	3EB04F5110	246010	3EC04A2510	246037	NISSAN	
1A18112	246297	3EB04F5110	246010	3EC04A5210	246026	2144690H50	246145
1A19126	246316	3EC04A2510	246037	3EC04A5310	246027	21450FC00A	246259
281913RA	246279	3EC04A5310	246027	3EC04A6210	246221	21450FC301	246260
288374RA	246279	3EC04A6210	246221	3EC04F2710	246039	21450FC30A	246260
HY1452142	246270	KOMATSU		MCFA/MITSUBISHI/ CATERPILLAR		21450FC31A	246263
T295552	246280	4966498	246034	1039446	246104	21450FJ10A	246261
T295553	246280	4968968	246044	1042298	246104	21450FK30A	246262
JOHN DEERE		4968970	246033	1112808	246106	21450FK31A	246264
67821	219999	4969676	246037	9049804830	246176	214606G300	246121
AL25255	219589	8761212	246048	9130101700	246104	2146091H05	246115
AR5704	219768	8761213	246049	9130101700	246104	21450GJ30A	246312
AR65715	219589	8764958	246027	9150101200	246103	2146024H1	246113
AT129141	219768	3EA0451110	246225	9160102800	246103	214606G000	246117
AT20847	219589	3EA04A2110	246035	9160102900	246104	214606G100	246112
AT28583	219711	3EA04A2160	246044	9160104100	246107	214606G101	246112
AT28810	219589	3EA04A2210	246056	9160114200	246177	214606G102	246117
AT48171	219711	3EA04A6110	246031	9180209300	246313	214606G160	246119
AT67821	219999	3EA04A6310	246032	9310105300	246106	214606G360	246118
KALMAR/AC		3EA04F2110	246139	9310106400	246108	2146090H10	246113
4966498	246034	3EA04F2210	246033	9310125600	246108	2146090H15	246114
4968968	246044	3EA04F2310	246034	9310126400	246108	2146091H10	246116
4968970	246033	3EB04A2160	246043	9360100100	246104	2146093H00	246137
4969676	246037	3EB04A2311	246047	9360100400	246110	2146097H00	246120

FORKLIFT RADIATOR OEM CROSSOVER

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OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #
TAILIFT/WORLD-LIFT		TOYOTA		173170	246125	8504628	246305
32541	246319	16410U220071	246249	173170	246305	8504676	246076
92510434B	246319	16410U220071	246298				
TCM		16410U220171	246249	1329169	246213	8504677	246079
1910520000	246217	16410U220171	246298	1337002	246299	8504679	246094
1FA33B662001	246192	16410U300071	246161	1375909	246076	8508901	246085
218N210102	246217	16410U333071	246072	1519610	246316	8508901	246126
FA15G210201	246188	16410U335071	246073	1736545	246123	8508902	246078
FA18N210102	246217	16410U336071	246073	1736545	246295	8516828	246083
FA18N660302	246243	164203661071	246248	1737170	246125	8516829	246081
TOWMOTOR		16420F118071A	246298	1737170	246305	8517301	246084
34709	246272	16420U125071	246250	2000153	246092	8517302	246082
316084	246273	16420U128071A	246128	2000161	246090	8518410	246079
325252	246272	16420U128071A	246249	2021741	246086	8518411	246080
347780	246273	16420U128171	246128	2035469	246091	8520318	246269
358841	246271	16420U128171	246249	2037521	246299	8528255	246310
1W1108	246271	16420U217071	246209	2037936	246123	520035884	246092
TOYOTA		16410U217071	246325	2037936	246295	524140816	246090
164101363071	246306	16410U217171	246325	2038182	246076	580000164	246299
164102301071	246061	16420U223071	246209	2038183	246079	580002789	246091
164102301071B	246061	16420U223071	246248	2038185	246094	580003258	246092
16410F104071	246152	16420U350071	246248	2043720	246085	580011813	246299
16410F210071	246248	16460F218071	246130	2043721	246078	580013390	246076
16410F210071A	246248	16460U223071	246317	2054530	246083	580013390	246079
16410F304071	246158	D13647	246157	2054531	246081	580013391	246079
16410U100071	246059	16410F204071	246157	2054879	246324	580013393	246094
16410U100071B	246059	16410U110071	246062	2055337	246084	580015725	246123
16410U104071	246058	16410U110071A	246062	2055338	246082	580015725	246295
16410U104071B	246058	16410U113071	246063	2057820	246079	580015726	246125
16410U120071	246128	16410U113071A	246063	2057821	246080	580015726	246305
16410U120071	246249	16410U213071	246065	2605251	246316	580018726	246125
16410U120171	246128	16410U215071	246065	3089232	246307	580018726	246305
16410U120171	246249	16410U316071	246066	3089232	246309	580021191	246085
16410U200071	246060	16410U319071	246067	3089240	246310	580021191	246126
16410U200071B	246060	16430U334071	246315	8504136	246091	580021192	246078
16410U201071B	246061			8504194	246092	580033851	246316
16410U217071	246075	52001	246123	8504199	246090	580035306	246081
16410U217071	246130	52001	246295	8504627	246123	580035647	246324
16410U217071	246130	72000	246125	8504627	246295	580037662	246076
16410U217171	246075	72000	246305	8504628	246125	580037662	246079

FORKLIFT RADIATOR OEM CROSSOVER

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OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #
580037663	246090						
580057500	246310						
580061780	246307						
580061780	246309						
912495601	246086						
913827600	246215						
9150101200	246093						
9160102800	246093						
1A19126	246316						
32592971108924	246310						
3089240	246308						
8515182	246268						
8528255	246308						
580057500	246308						
32592971108924	246308						

FORKLIFT RADIATOR APPLICATIONS

MODEL	REMARKS	PART #
ALLIS CHALMERS/KALMAR		
Verify by OEM # found on pages 1-4		246010
		246027
		246033
		246034
		246037
		246044
		246048
	246049	
CASE/IH		
585G	ROUGH TERRAIN FORKLIFT	219952
586G	ROUGH TERRAIN FORKLIFT	219952
588G	ROUGH TERRAIN FORKLIFT	219952
CLARK		
C365G		246023
C365L		246023
CGC40-70		246282
CGP40-70		246282
CH365L		246023
GPX127E		246022
GPX230E		246022
GX127E		246022
GX230E		246022
OTHER		246210
OTHER		246211
OTHER		246212
P365D		246020
P365D		246021
P365L		246021
PH365D		246020
PH365G		246023
PH365L		246021
PH365L		246023
HYSTER		
H100XL	4.3L GAS ENGINE W/POWERSHIFT TRANSMISSION	246270
H100XM	W/OE# 1388911, 1396750	246297
H110XL	GAS ENGINE	246270
H120XL	GAS ENGINE	246270
H120XM	W/OE# 1388911, 1396750	246297
H135XL	GM VORTEC 4.3L GAS/LP ENGINE	246296
H155XL	GM VORTEC 4.3L GAS/LP ENGINE	246296
H20E	SN B1 OVERALL HEIGHT 19 3/8"	246277
H20E	SN B1 OVERALL HEIGHT 17 3/8"	246278
H230J	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H25-35XM	D001	246086
H30E	SN B1 OVERALL HEIGHT 19 3/8"	246277
H30E	SN B1 OVERALL HEIGHT 17 3/8"	246278

FORKLIFT APPLICATIONS

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MODEL	REMARKS	PART #
HYSTER (CONT.)		
H30H	SN D3 GAS	246274
H30H	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H40H	SN D3 GAS	246274
H40H	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H40H	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H40J	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H40J	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H45-65XM	H177	246081
H45-65XM	H177	246082
H45-65XM	H177	246083
H45-65XM	H177	246084
H45-65XM	H177 GM ENGINE	246295
H45-65XM	H177 EARLY SN W/ 3.0L GM ENGINE	246123
H45-65XM	H177 W/2.0L, 2.2L MAZDA ENGINES - LP OR GAS	246290
H45-65XM	W/PERKINS 2.6L DIESEL, ISUZU 2.4L DIESEL, GM 3.0L LP GAS ENGINES	246299
H50H	SN D3 GAS	246274
H50H	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H50H	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H50J	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H50J	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H50XL	MAZDA ENGINE	246125
H50XL	MAZDA ENGINE	246305
H60H	SN D3 GAS	246274
H60H	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H60H	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H60J	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H60J	SN E3, F3 - INLET UPPER LEFT ENGINE SIDE	246279
H60J	SN E3, F3 - INLET UPPER RIGHT ENGINE SIDE	246280
H70XL		246270
H70XM-H120XM	SN K005 - 4.3L GM ENGINE	246297
H80XL	GAS ENGINE	246270
H80XM	W/OE# 1388911, 1396750	246297
H90XL	GAS ENGINE	246270
H90XM	W/OE# 1388911, 1396750	246297
P60A	SN A18	246275
P80A	SN A18	246275
S100E	SN 00004D W/GM 350 ENGINE	246281
S120E	SN 00004D W/GM 350 ENGINE	246281
S25-35XM	D010	246078
S25-35XM	D010	246085
S25-35XM	D010	246086
S25-40XM	C010	246085
S30C	SN C2	246276
S40- 60XL	C187	246087
S40- 60XL	C187	246088
S40-65XM	D187	246076
S40-65XM	D187	246077

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MODEL	REMARKS	PART #
HYSTER (CONT.)		
S40-65XM	D187	246079
S40-65XM	D187	246080
S40-65XM	D187	246090
S40-65XM	D187	246091
S40-65XM	D187	246092
S40-65XM	D187	246093
S40-65XM	D187	246094
S40C	SN C2	246276
S40XMS	D010	246078
S40XMS	D010	246085
S40XMS	D010	246086
S50C	SN C2	246276
S60ES	SN 00004D W/GM 350 ENGINE	246281
S70E	SN 00004D W/GM 350 ENGINE	246281
S80E	SN 00004D W/GM 350 ENGINE	246281
S70XL		246318
S80XL		246318
S100XL		246318
S110XL		246318
S120XL		246318
S80XL-BCS		246318
VERACITOR TM	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246308
VERACITOR VX	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246308
Verify by OEM # found on pages 1-4		246089
	GM ENGINE	246123
		246213
		246214
	W/OE# 3089232, 580061780	246307
	W/OE# 3089232, 580061780	246309
		246309
JOHN DEERE		
380		219711
480		219589
380A		219711
480A		219711
480B		219711
480C		219999
482C		219768
KALMAR A/C		
P70CX-P100CX		246221
Verify by OEM # found on pages 1-4		246010
		246027
		246033
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MODEL	REMARKS	PART #
KALMAR A/C (CONT.)		
Verify by OEM # found on pages 1-4		246037
		246044
		246048
		246049
KOMATSU		
FG45T-7	TB45 NISSAN ENGINE	246027
FG45T-8	TB45 NISSAN ENGINE	246221
3000 LB LIFT		246031
3000 LB LIFT		246032
3000 LB LIFT		246033
3000 LB LIFT		246034
3000 LB LIFT		246035
3000 LB LIFT	1988 - 1996 H20 FG20-25-11ZB	246044
3000 LB LIFT		246056
4-6000 LB LIFT		246010
4-6000 LB LIFT		246024
4-6000 LB LIFT		246043
4-6000 LB LIFT		246044
4-6000 LB LIFT		246045
4-6000 LB LIFT		246046
4-6000 LB LIFT		246047
4-6000 LB LIFT	1996 - PRESENT H20 II FG20-25-12BX	246048
4-6000 LB LIFT		246049
4-6000 LB LIFT		246050
4-6000 LB LIFT		246052
7-10,000 LB LIFT		246024
7-10,000 LB LIFT		246026
7-10,000 LB LIFT		246027
7-10,000 LB LIFT		246028
7-10,000 LB LIFT		246029
7-10,000 LB LIFT		246036
7-10,000 LB LIFT		246037
7-10,000 LB LIFT		246038
7-10,000 LB LIFT		246039
7-10,000 LB LIFT		246041
7-10,000 LB LIFT		246042
7-10,000 LB LIFT		246141
Verify by OEM # found on pages 1-4		246138
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MODEL	REMARKS	PART #
KOMATSU (CONT.)		
Verify by OEM # found on pages 1-4		246166
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		246220
		246221
		246223
		246225
	246227	
MANITOU		
Verify by OEM # found on pages 1-4		216130
		246298
MASSEY		
2200	W/DIESEL ENGINE	219874
MCFA/MITSUBISHI /CATERPILLAR		
FD20	AF18B00011 & ABOVE, S45 ENGINE	246107
FD25	AF18B30001 & ABOVE, S45 ENGINE	246107
FD30	AF14B30001 & ABOVE, 54E	246103
FD30	AF18B50001 & ABOVE, S45 ENGINE	246107
FD35	S6E & S6E2 ENGINE	246321
FD35A	AF2600011 & ABOVE, 54E2	246103
FD35A	AF14C50001 & ABOVE, S45 ENGINE	246107
FD40	S6E & S6E2 ENGINE	246321
FD45	S6E & S6E2 ENGINE	246321
FG20-25	MITSUBISHI AF13C0001 & ABOVE	246104
FG25	MITSUBISHI AF17B0001 & ABOVE	246104
FG25K	SN AF17C	246110
FG25N	SN AF34 & ABOVE; STANDARD SQUARE WAVE FIN	246235
FG25N	SN AF34 & ABOVE; SQUARE WAVE FIN	246323
FG30	F13A00011 & ABOVE, F13B00011 7 ABOVE, 4G54 ENGINE	246101
FG30	MITSUBISHI AF13D0001 & ABOVE	246104
FG30-35	MITSUBISHI AF13C0001 & ABOVE	246104
FG35A	MITSUBISHI AF13D0001 & ABOVE	246104
FGC15	AF81B50001 & ABOVE, 4G63 ENGINE	246106
FGC15K	AF81D00011 & ABOVE, 4G63 ENGINE	246108
FGC15K THRU FGC35K	ALL	246110
FGC18	AF81B70001 & ABOVE, 4G63 ENGINE	246106
FGC18K	AF81C00011 & ABOVE, 4G63 ENGINE	246108
FGC20	AF82B00011 & ABOVE, 4G63 ENGINE	246104
FGC20K	AF82C00011 & ABOVE, AF82D00011 & ABOVE, 4G64 ENGINE	246109
FGC20K	AF82C00011 & ABOVE, AF82D00011 & ABOVE, 4G64 OR 4G63 ENGINE	246110
FGC25	AFB82B50001 & ABOVE, 4G63 ENGINE	246104
FGC25K	AF82C90011 & ABOVE, AF82C90011 & ABOVE, 4G64 ENGINE	246109

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MCFA/MITSUBISHI /CATERPILLAR (CONT.)		
FGC25K	AF82C00011 & ABOVE, AF82D00011 & ABOVE, 4G64 OR 4G63 ENGINE	246110
FGC30K	AF83C00011 & ABOVE, AF83D00011 & ABOVE, 4G64 OR 4G63 ENGINE	246110
FGC35K	AF8700001 & ABOVE, AF87A00001 & ABOVE	246111
FGC40K	AF8700001 & ABOVE, AF87A00001 & ABOVE	246111
FGC55K	AF8800001 & ABOVE	246111
FGC60K	AF8900001 & ABOVE, AF89A00001 & ABOVE	246111
FGC70K	AF8900001 & ABOVE, AF89A00001 & ABOVE	246111
GC15	SN 2EM W/4G63 ENGINE	246106
GC15K	SN 3EM W/4G63 ENGINE	246110
GC18K	SN 3EM W/4G63 ENGINE	246108
GC18K	SN 2EM W/4G63 ENGINE	246106
GC20	SN 5EM	246110
GC25K	SN 5EM	246110
GC30K	SN 5EM	246110
GC35K	AF8700001 & ABOVE, AF87A00001 & ABOVE	246111
GPI5K-GP35K	AT28D, AT28E ENGINE	246177
GP20-25	4G52 ENGINE	246104
GP25	CATERPILLAR 5AM0001 & ABOVE, 4G63 ENGINE	246104
GP25K	SN AT17C	246110
GP30	CATERPILLAR 7AM0001 & ABOVE, 4G64 ENGINE	246104
GP30-35	4G54 ENGINE	246104
GP35A	CATERPILLAR 8AM0001 & ABOVE, 4G64 ENGINE	246104
P5000	SN AT34 & ABOVE; STANDARD SERPENTINE FIN	246235
P5000	SN AT34 & ABOVE; SQUARE WAVE FIN	246323
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	STANDARD SERPENTINE FIN	246235
	SQUARE WAVE FIN	246323
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NISSAN		
AH01A15V	1988 - 1992 A15, H20, H01	246113
APH02A25V	1988 - 1992 A15, H20, H01	246113
APH02AM25V	1988 - 1992 A15, H20, H01	246113
APJ01A15PU		246117
APJ01A15PV		246117
APJ01A15U		246117
APJ01A15V		246117
APJ02A25CV		246121
APJ02A25DV		246121
APJ02A25EV		246121
APJ02A25LV		246121
APJ02A25PU		246121
APJ02A25PV		246121
APJ02A25U		246121
APJ02A25V		246121
BF03A35V		246120
BF03A40V		246120
BF03A45V		246120
BF03H35V		246120
BF03H40V		246120
BF03H45V		246120
CEH02A20V	1988 - 1992 A15, H20, H01	246113
CEH02A25V	1988 - 1992 A15, H20, H01	246113
CEH02F20	1988 - 1992 A15, H20, H01	246113
CEH02F25	1988 - 1992 A15, H20, H01	246113
CPH01A10	1988 - 1992 A15, H20, H01	246113
CPH01A10PV	1988 - 1992 A15, H20, H01	246113
CPH01A10V	1988 - 1992 A15, H20, H01	246113
CPH01A13	1988 - 1992 A15, H20, H01	246113
CPH01A13V	1988 - 1992 A15, H20, H01	246113
CPH01A15	1988 - 1992 A15, H20, H01	246113
CPH01A15PV	1988 - 1992 A15, H20, H01	246113
CPH01A15S	1988 - 1992 A15, H20, H01	246113
CPH01A15V	1988 - 1992 A15, H20, H01	246113
CPH01A18	1988 - 1992 A15, H20, H01	246113
CPH01A18PV	1988 - 1992 A15, H20, H01	246113
CPH01A18V	1988 - 1992 A15, H20, H01	246113
CPH02A20P	1988 - 1992 A15, H20, H01	246113
CPH02A20PV	1988 - 1992 A15, H20, H01	246113
CPH02A20V	1988 - 1992 A15, H20, H01	246113
CPH02A25	1988 - 1992 A15, H20, H01	246113
CPH02A25P	1988 - 1992 A15, H20, H01	246113
CPH02A25PV	1988 - 1992 A15, H20, H01	246113
CPH02A25V	1988 - 1992 A15, H20, H01	246113

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CPJ01A15PS		246117
CPJ01A15PU		246117
CPJ01A15PV		246117
CPJ01A15U		246117
CPJ01A15V		246117
CPJ01A18PS		246117
CPJ01A18PU		246117
CPJ01A18PV		246117
CPJ01A18U		246117
CPJ01A18V		246117
CPJ02A20PS	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A20PU	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A20PV	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A20S	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A20U	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A20V	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25PS	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25PU	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25PV	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25S	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25U	1998 - PRESENT H2011, H25 CPJ02	246112
CPJ02A25V	1998 - PRESENT H2011, H25 CPJ02	246112
CUGJ02A30CS		246119
CUGJ02A30ES		246119
CUGJ02A30EV		246119
CUGJ02A30PS		246119
CUGJ02A30PU		246119
CUGJ02A30PV		246119
CUGJ02A30S		246119
CUGJ02A30U		246119
CUGJ02A30V		246119
CUGJ02A35ES		246119
CUGJ02A35EV		246119
CUGJ02A35PS		246119
CUGJ02A35PU		246119
CUGJ02A35PV		246119
CUGJ02A35S		246119
CUGJ02A35U		246119
CUGJ02A35V		246119
CUJ02A20PS	1998 - PRESENT H2011, H25 CPJ02	246112
CUJ02A20PU	1998 - PRESENT H2011, H25 CPJ02	246112
CUJ02A20PV	1998 - PRESENT H2011, H25 CPJ02	246112
CUJ02A20S	1998 - PRESENT H2011, H25 CPJ02	246112
CUJ02A20U	1998 - PRESENT H2011, H25 CPJ02	246112

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NISSAN (CONT.)		
CUJ02A20V	1998 - PRESENT H2011, H25 CPJ02	246112
CUJ02A25	1998 - PRESENT H2011, H25 CPJ02	246112
EH01A10V	1988 - 1992 A15, H20, H01	246113
EH01A15V	1988 - 1992 A15, H20, H01	246113
EH01A18V	1988 - 1992 A15, H20, H01	246113
EH02A20S	1988 - 1992 A15, H20, H01	246113
EH02A20V	1988 - 1992 A15, H20, H01	246113
EH02A25P	1988 - 1992 A15, H20, H01	246113
EH02A25V	1988 - 1992 A15, H20, H01	246113
FGJ02A30V		246118
FJ02A20V	1998 - PRESENT H2011, H25 CPJ02	246112
FJ02A25V	1998 - PRESENT H2011, H25 CPJ02	246112
KAH01A15V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KAPH02A25PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KAPH02A25V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCEH02A20V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCEH02A25V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A10PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A10V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A15PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A15V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A18PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH01A18V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A20PS	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A20PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A20S	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A20V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A25PS	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A25PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A25S	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCPH02A25V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCUGH02F30PV		246116
KCUGH02F30V		246116
KCUGH02F35PV		246116
KCUGH02F35V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KCUGH02F35V		246116
KEGH02A30V		246115
KEH02A20V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KEH02A25V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH01A15PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH01A15V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH01A18PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH01A18V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A20PS	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114

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KPH02A20PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A20S	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A20V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A25PS	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A25PV	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A25S	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KPH02A25V	1988 - 1992 H20, H2011 KH02 (2 TON, 2.5 TON)	246114
KUGH02A30PV		246115
KUGH02A30V		246115
PH01A10V	1988 - 1992 A15, H20, H01	246113
PH01A14V	1988 - 1992 A15, H20, H01	246113
PH01A15S	1988 - 1992 A15, H20, H01	246113
PH01A15V	1988 - 1992 A15, H20, H01	246113
PH01A18V	1988 - 1992 A15, H20, H01	246113
PH02A20P	1988 - 1992 A15, H20, H01	246113
PH02A20V	1988 - 1992 A15, H20, H01	246113
PH02A23V	1988 - 1992 A15, H20, H01	246113
PH02A25P	1988 - 1992 A15, H20, H01	246113
PH02A25V	1988 - 1992 A15, H20, H01	246113
PJ01A15CV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15DV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15EV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15JV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15LV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15PS	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15PV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A15SV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18DV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18EV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18JV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18LV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18PS	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18PV	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18S	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A18V	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A20S	1998 - PRESENT H2011, H25 CPJ02	246112
PJ01A20V	1998 - PRESENT H2011, H25 CPJ02	246112
PJ02A20PS	1998 - PRESENT H2011, H25 CPJ02	246112
PJ02A20PV	1998 - PRESENT H2011, H25 CPJ02	246112
UGJ02A30CV		246118
UGJ02A30EV		246118
UGJ02A30PS		246118
UGJ02A30PV		246118
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UGJ02A30V		246118
UJ02A20PS	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A20PV	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A20V	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A25PS	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A25PV	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A25S	1998 - PRESENT H2011, H25 CPJ02	246112
UJ02A25V	1998 - PRESENT H2011, H25 CPJ02	246112
WF03A35V		246120
WF03H35V		246120
WGF03A40V		246120
WGF03A45V		246120
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TAIILIFT/WORLD-LIFT		
FD20	ISUZU 4CG2	246319
FD20	ISUZU 4JG2	246319
FD20	YANMAR 4TNE92 2/2008	246319
FD20	YANMAR 4TNE98 2/2008	246319
FD25	ISUZU 4CG2	246319
FD25	ISUZU 4JG2	246319
FD25	ISUZU C240	246319
FD25	YANMAR 4TNE92 2/2008	246319
FD25	YANMAR 4TNE98 2/2008	246319
FD30	ISUZU 4CG2	246319
FD30	ISUZU 4JG2	246319
FD30	PERKINS 404D	246319
FD30	YANMAR 4TNE92 2/2008	246319
FD30	YANMAR 4TNE98 2/2008	246319
FD35	ISUZU 4CG2	246319
FD35	ISUZU 4JG2	246319
FD35	PERKINS 404D	246319
FD35	YANMAR 4TNE92 2/2008	246319
FD35	YANMAR 4TNE98 2/2008	246319

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FG15	GM 3.0L, Tier III 11/2007	246319
FG18	GM 3.0L, Tier III 11/2007	246319
FG18	GM 3.0L, Tier IV	246319
FG20	GM 3.0L	246319
FG20	GM 3.0L, Tier III 11/2007	246319
FG20	GM 3.0L, Tier IV	246319
FG25	GM 3.0L, Tier III 11/2007	246319
FG25	GM 3.0L	246319
FG25	GM 3.0L, Tier IV	246319
FG30	GM 3.0L	246319
FG30	GM 3.0L, Tier III 11/2007	246319
FG30	GM 3.0L, Tier IV	246319
FG35	GM 3.0L	246319
FG35	GM 3.0L, Tier III 11/2007	246319
FG35	GM 3.0L, Tier IV	246319
TCM		
FD30T6H		246098
FG15C19	SN 18G-H15RM	246096
FG15T19	SN 18H-H15RM	246096
FG20T6	SN 36G-H2CRA	246097
FG25T6	SN 36LH20RA	246097
FG30T6	SN 36R-H20RA	246097
FG30T6H	SN 37G-H25RA	246097
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TOWMOTOR		
760B	SN 38R, 62L575, 62L	246273
860P	SN 40R, 67L527, 67L	246273
T30B	SN 32M	246272
T35B	SN 32M	246272
T40B	SN 4N	246272
T45B	SN 4N	246272
T50B	SN 14N	246272
T60B	SN 14N	246272
V41	SN 58R, 59R, 86M, 87M, 89M	246273
V51	SN 58R, 59R, 86M, 87M, 89M	246273
V55	SN 58R, 59R	246273
V55B	SN 58R, 59R, 86M, 87M, 89M	246273
V60	SN 58R, 59R, 86M, 87M, 89M	246273
V60B	SN 58R, 59R, 86M, 87M, 89M	246273
V60D	SN 37W	246271
V60E	SN 37W	246271
V70D	SN 37W	246271
V70E	SN 37W	246271
V80D	SN 37W	246271
V90E	SN 37W	246271
TOYOTA		
02 5FDU201Z	4/91 - 7/95 1Z ENGINE	246061
02 5FDU251Z	4/91 - 7/95 1Z ENGINE	246061
02 6FDAU5013Z	3/97 - 11/00 13Z ENGINE	246066
02 6FDF151DZ	2/96 - 6/99 1DZ ENGINE 88-93 4Y ENGINE 5FGC15	246058
02 6FDF181DZ	2/96 - 6/99 1DZ ENGINE 88-93 4Y ENGINE 5FGC15	246058
02 6FDU181DZ	7/95 - 9/99 1DZ ENGINE	246062
02 6FDU3313Z	3/97 - 11/00 13Z ENGINE	246066
02 6FDU3513Z	3/97 - 11/00 13Z ENGINE	246066

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TOYOTA (CONT.)		
02 6FDU4013Z	3/97 - 11/00 13Z ENGINE	246066
02 6FDU4513Z	3/97 - 11/00 13Z ENGINE	246066
02 6FGDU151DZ	7/95 - 9/99 1DZ ENGINE	246062
02 6FGU304Y	7/95 - 9/99 4Y ENGINE	246065
02 7FDF151DZ	6/99 - 4/02 1DZ ENGINE	246062
02 7FDF181DZ	6/99 - 4/02 1DZ ENGINE	246062
42 5FDCU202J	2/91 - 7/95 2J ENGINE	246060
42 5FDCU252J	2/91 - 7/95 2J ENGINE	246060
42 5FDCU302J	2/91 - 7/95 2J ENGINE	246060
42 5FGCU104Y	5/91 - 7/95 4Y ENGINE 88-93 5FGC15	246058
42 5FGCU154Y	5/91 - 7/95 4Y ENGINE 88-93 5FGC15	246058
42 5FGCU184Y	5/91 - 7/95 4Y ENGINE 88-93 5FGC15	246058
42 5FGCU184Y	2/91 - 7/95 4Y ENGINE	246060
42 5FGCU204Y	2/91 - 7/95 4Y ENGINE	246060
42 5FGCU254Y	2/91 - 7/95 4Y ENGINE	246060
42 5FGCU304Y	2/91 - 7/95 4Y ENGINE	246060
42 5FGU104Y	12/90 - 7/95 4Y ENGINE	246059
42 5FGU154Y	12/90 - 7/95 4Y ENGINE	246059
42 5FGU184Y	12/90 - 7/95 4Y ENGINE	246059
42 5FGU204Y	4/91 - 7/95 4Y ENGINE	246060
42 5FGU254Y	4/91 - 7/95 4Y ENGINE	246060
42 6FGCU154Y	7/95 - 6/00 4Y ENGINE 6FGCU15, 18	246063
42 6FGCU184Y	7/95 - 6/00 4Y ENGINE 6FGCU15, 18	246063
42 6FGCU204Y	7/95 - 9/99 4Y ENGINE	246065
42 6FGCU254Y	7/95 - 9/99 4Y ENGINE	246065
42 6FGCU304Y	7/95 - 9/99 4Y ENGINE	246065
42 6FGF154Y	2/96 - 6/99 4Y ENGINE 88-93 5FGC15	246058
42 6FGF184Y	2/96 - 6/99 4Y ENGINE 88-93 5FGC15	246058
42 6FGU154Y	7/95 - 9/99 4Y ENGINE	246062
42 6FGU184Y	7/95 - 9/99 4Y ENGINE	246062
42 6FGU204Y	7/95 - 9/99 4Y ENGINE	246065
42 6FGU254Y	7/95 - 9/99 4Y ENGINE	246065
42 7FGF154Y	6/99 - 4/02 4Y ENGINE	246062
42 7FGF184Y	6/99 - 4/02 4Y ENGINE	246062
52 6FGAU50GM6262	3/97 - 11/00 GM6262 ENGINE	246067
52 6FGCU20GM4181	7/95 - 9/99 GM4181 ENGINE	246065
52 6FGCU25GM4181	7/95 - 9/99 GM4181 ENGINE	246065
52 6FGCU30GM6262	3/97 - 11/00 GM6262 ENGINE	246067
52 6FGCU35GM6262	3/97 - 11/00 GM6262 ENGINE	246067
52 6FGCU45GM6266	3/97 - 11/00 GM6262 ENGINE	246067
52 6FGU20GM4181	7/95 - 9/99 GM4181 ENGINE	246065
52 6FGU25GM4181	7/95 - 9/99 GM4181 ENGINE	246065
52 6FGU30GM4181	7/95 - 7/96 GM4181 ENGINE	246065
52 6FGU33GM6262	3/97 - 11/00 GM6262 ENGINE	246066

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MODEL	REMARKS	PART #
TOYOTA (CONT.)		
52 6FGU35GM6262	3/97 - 11/00 GM6262 ENGINE	246066
52 6FGU40GM6262	3/97 - 11/00 GM6262 ENGINE	246067
52 6FGU45GM6262	3/97 - 11/00 GM6262 ENGINE	246067
5FG25	1988 - 1993	246060
5FGC25	1988 - 1993	246060
62 6FDCU301DZ	7/95 - 7/96 1D ENGINE	246065
62 6FDU201DZ	7/95 - 9/99 1D ENGINE	246065
62 6FDU251DZ	7/95 - 9/99 1D ENGINE	246065
6F1.5T	1994 - NEWER	246306
6FG15	1994 - NEWER	246306
7FDAU5013Z	11/00 - PRESENT 13Z ENGINE	246072
7FDAU5013Z	11/00 - PRESENT 13Z ENGINE	246073
7FDKU4013Z	11/00 - PRESENT 13Z ENGINE	246072
7FDKU4013Z	11/00 - PRESENT 13Z ENGINE	246073
7FDU151DZ	3/02 - PRESENT 1DZ ENGINE	246012
7FDU151DZ	3/02 - PRESENT 1DZ ENGINE; STANDARD SERPENTINE FIN	246128
7FDU151DZ	3/02 - PRESENT 1DZ ENGINE; SQUARE WAVE FIN	246322
7FDU151DZ	3/02 - PRESENT 1DZ ENGINE	246298
7FDU151DZ	3/02 - PRESENT 1DZ ENGINE	246298
7FDU181DZ	3/02 - PRESENT 1DZ ENGINE	246012
7FDU181DZ	3/02 - PRESENT 1DZ ENGINE; STANDARD SERPENTINE FIN	246128
7FDU181DZ	3/02 - PRESENT 1DZ ENGINE; SQUARE WAVE FIN	246322
7FDU181DZ	3/02 - PRESENT 1DZ ENGINE	246298
7FDU181DZ	3/02 - PRESENT 1DZ ENGINE	246298
7FDU201DZ	9/99 - 3/02 1DZ ENGINE	246075
7FDU201DZ	9/99 - 3/02 1DZ ENGINE, SQUARE WAVE FIN	246325
7FDU201DZ	9/99 - 3/02 1DZ ENGINE	246130
7FDU251DZ	9/99 - 3/02 1DZ ENGINE	246075
7FDU251DZ	9/99 - 3/02 1DZ ENGINE, SQUARE WAVE FIN	246325
7FDU251DZ	9/99 - 3/02 1DZ ENGINE	246130
7FDU301DZ	9/99 -PRESENT 1DZ ENGINE	246075
7FDU301DZ	9/99 -PRESENT 1DZ ENGINE, SQUARE WAVE FIN	246325
7FDU301DZ	9/99 - 3/02 1DZ ENGINE	246130
7FDU321DZ	9/99 - 3/02 1DZ ENGINE	246075
7FDU321DZ	9/99 - 3/02 1DZ ENGINE, SQUARE WAVE FIN	246325
7FDU321DZ	9/99 - 3/02 1DZ ENGINE	246130
7FDU3513Z	11/00 - PRESENT 13Z ENGINE	246072
7FDU3513Z	11/00 - PRESENT 13Z ENGINE	246073
7FDU4513Z	11/00 - PRESENT 13Z ENGINE	246072
7FDU4513Z	11/00 - PRESENT 13Z ENGINE	246073
7FDU6013Z	11/00 - PRESENT 13Z ENGINE	246073
7FDU7013Z	11/00 - PRESENT 13Z ENGINE	246073
7FDU8013Z	11/00 - PRESENT 13Z ENGINE	246073
7FGAU50GM6262	11/00 - PRESENT GM6262 ENGINE	246072

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MODEL	REMARKS	PART #
7FGAU50GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGCU154Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU154Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU154Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU154Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU184Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU184Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU184Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU184Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU204Y	99-PRESENT 4Y ENGINE	246012
7FGCU204Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU204Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU204Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU204Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU254Y	3/02 - PRESENT 4Y ENGINE	246012
7FGCU254Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU254Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU254Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU254Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU304Y	3/02 - PRESENT 4Y ENGINE	246012
7FGCU304Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU304Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU304Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU304Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU324Y	3/02 - PRESENT 4Y ENGINE	246012
7FGCU324Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGCU324Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGCU324Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU324Y	3/02 - PRESENT 4Y ENGINE	246298
7FGCU35GM6262	11/00 - PRESENT GM6262 ENGINE	246072
7FGCU35GM6262	11/00 - PRESENT GM6262 ENGINE (WITH HYDRAULIC OIL COOLER)	246073
7FGCU45GM6262	11/00 - PRESENT GM6262 ENGINE	246072
7FGCU45GM6262	11/00 - PRESENT GM6262 ENGINE (WITH HYDRAULIC OIL COOLER)	246073
7FGCU55GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGCU60GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGCU70GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGKU40GM6262	11/00 - PRESENT GM6262 ENGINE	246072
7FGKU40GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGU154Y	1999 - PRESENT	246012
7FGU154Y	1999 - PRESENT	246298
7FGU154Y	1999 - PRESENT; STANDARD SERPENTINE FIN	246128
7FGU154Y	1999 - PRESENT; SQUARE WAVE FIN	246322
7FGU184Y	3/02 - PRESENT 4 ENGINE	246012

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MODEL	REMARKS	PART #
7FGU184Y	3/02 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGU184Y	3/02 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGU184Y	3/02 - PRESENT 4Y ENGINE	246298
7FGU184Y	3/02 - PRESENT 4Y ENGINE	246298
7FGU204Y	1999 - PRESENT 4Y ENGINE	246012
7FGU204Y	9/99 - 3/02 4Y ENGINE	246075
7FGU204Y	9/99 - 3/02 4Y ENGINE; SQUARE WAVE FIN	246325
7FGU204Y	1999 - PRESENT 4Y ENGINE; STANDARD SERPENTINE FIN	246128
7FGU204Y	1999 - PRESENT 4Y ENGINE; SQUARE WAVE FIN	246322
7FGU204Y	9/99 - 3/02 4Y ENGINE	246075
7FGU204Y	9/99 - 3/02 4Y ENGINE	246130
7FGU204Y	1999 - PRESENT 4Y ENGINE	246298
7FGU204Y	1999 - PRESENT 4Y ENGINE	246298
7FGU254Y	9/99 - 3/02 4Y ENGINE	246075
7FGU254Y	9/99 - 3/02 4Y ENGINE; SQUARE WAVE FIN	246325
7FGU254Y	9/99 - 3/02 4Y ENGINE	246130
7FGU304Y	9/99 - 3/02 4Y ENGINE	246075
7FGU304Y	9/99 - 3/02 4Y ENGINE; SQUARE WAVE FIN	246325
7FGU324Y	9/99 - 3/02 4Y ENGINE	246075
7FGU324Y	9/99 - 3/02 4Y ENGINE; SQUARE WAVE FIN	246325
7FGU324Y	9/99 - 3/02 4Y ENGINE	246130
7FGU35GM6262	11/00 - PRESENT GM6262 ENGINE	246072
7FGU35GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGU45GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGU45GM6270	11/00 - PRESENT GM6270 ENGINE	246072
7FGU60GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGU70GM6262	11/00 - PRESENT GM6262 ENGINE	246073
7FGU80GM6262	11/00 - PRESENT GM6262 ENGINE	246073
	STANDARD SERPENTINE FIN	246128
	SQUARE WAVE FIN	246322
		246152
	W/DIESEL ENGINE	246157
		246157
		246158
		246161
		246162
		246209
		246216
		246251
		246298
		246298
H25-35XM	D001	246086
H45-65XM	H177	246081

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MODEL	REMARKS	PART #
H45-65XM	H177	246082
H45-65XM	H177	246083
H45-65XM	H177	246084
H45-65XM	W/PERKINS 2.6L DIESEL, ISUZU 2.4L DIESEL, GM 3.0L LP GAS ENGINES	246299
S25-35XM	D010	246078
S25-35XM	D010	246085
S40-65XM	D187	246076
S40-65XM	D187	246077
S40-65XM	D187	246079
S40-65XM	D187	246080
S40-65XM	D187	246090
S40-65XM	D187	246091
S40-65XM	D187	246092
S40-65XM	D187	246093
S40-65XM	D187	246094
S40XMS	D010	246078
S40XMS	D010	246085
S60ES	D001	246086
GDP20		246308
GDP20		246310
GDP25		246308
GDP25		246310
GDP30		246308
GDP30		246310
GDP35VX		246308
GDP35VX		246310
GLP080LJ	SN C813V	246297
GLP20		246308
GLP20		246310
GLP25		246308
GLP25		246310
GLP30		246308
GLP30		246310
GLP35VX		246308
GLP35VX		246310
GLP35VX by OEM #		246310
GLP35VX on pages 1-4		246310
VERACITOR TM	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246308
VERACITOR TM	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246310
VERACITOR VX	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246308
VERACITOR VX	W/GM 2.4L AND YANMAR 2.6L, 3.3L ENGINES	246310
		246269
		246123
		246125
	MAZDA ENGINE	246305
		246215

SPECIALTY RADIATOR OEM CROSSOVER

OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #	OEM #'s	PART #
AGCO/ALLIS		CAG31154	245979	RE169273	211028	L6196	245990
7028585	219550	CAG31155	245979	RE169286	211028	MILLER	
70214337	249551	MNY20229401A	245978	RE56597	211064	216588	245999
70228587	219550	MNY20222200C	245978	RE64410	211064	PERKINS	
70233232	249551	MNY202222100C	245979	KUBOTA		2485B259	245981
70233290	249551	MNY20229301A	245979	36888451	245966	2485B263	245984
CASE/IH		R202222100C	245979	1662572001	245967	2485B264	245983
131751A1	212067	FORD		1662572060	245967	2485B269	245984
131751A2	212067	1961E	246004	1662572061	245967	2485B275	245980
135690A3	211037	D8JL8005D	246004	1897072063	245966	MN4220003410D	245971
135691A3	211037	FORD/NEW HOLLAND		1909172102	245966	MN42200034313P	245971
232545A1	212067	131751A1	212067	1909172107	245991	MN4221120583	245971
234876A	219952	131751A2	212067	4220008462	245966	MN42234410P	245970
234876A1	219952	135690A3	211037	1G97672060	245966	MN42234413P	245970
234876A2	219952	135691A3	211037	1G97672063	245966	MNY20224501F	245980
234882A1	219952	232545A1	212067	1G97672112	245966	PERKINS (CONT.)	
239739A1	219952	234876A	219952	1G99272060	245991	MNY20224601E	245981
239739A2	219952	234876A1	219952	KUBOTA (CONT.)		MNY20224801F	245984
244295A1	211037	234876A2	219952	1G99472060	245965	MNY20224901F	245983
A172038	219532	FORD/NEW HOLLAND (CONT.)		1G99472062	245965	MNY20226501E	245984
A35604	219580	234882A1	219952	LINCOLN		R20224901F	245983
A39344	219580	239739A1	219952	CA31025	245989	RB259P	245981
A60318	219529	239739A2	219952	CA4535	245990	RB263B	245984
A62852	219529	24295A1	211037	CA4946	245990	RB269P	245984
A64483	219529	ISUZU		CAG31151	245987	RB275P	245980
A64484	219529	X2140033	245972	CAG31152	245987	U45506580	245971
A66330	219529	X21401093	245972	CAG31153	245988	SULLAIR	
CAT		JOHN DEERE		CAG31154	245988	02250109644	245973
4P3377P	245979	AH78888	219725	CAG31155	245988	0225011961	245996
4P3379P	245978	AH78889	219725	G1087	249748	002250114934	245974
7E4638	245979	AR43190	211040	G31151	245987	002250137799	245975
7E4639	245978	AR43945	211040	G31152	245987	02250139760	245976
7E7764P3877	245978	AR43947	211040	G31153	245988	02250149985	245977
G31153	245979	AR60374	219541	G31154	245988	WOLLARD	
G31154	245979	AR61881	219541	G31155	245988	375921	246007
G31155	245979	KV15870	219933	G31156	245988		
G31156	245979	KV19380	219933	H19491	249748		
R3379P	245978	KV23226	212073	L31025	245989		
R4638P	245979	KV23966	219933	L31028	245989		
R4639P	245978	KV24895	219993	L4535	245990		
CAG31153	245979	RE159211	211028	L4946	245990		

SPECIALTY OEM CROSSOVER

SPECIALTY RADIATOR APPLICATIONS

MODEL	REMARKS	PART #
AIR COMPRESSOR RADIATORS		
SULLAIR		
185	Compressor	245996
185DPQ	Portable Compressor w/John Deere Engine	245973
185DPQ	Portable Compressor w/Caterpillar 60 HP Engine	245976
185H-260DPQ	Portable Compressor High Tank	245977
185HDPQ	Portable Compressor High Tank	245977
260DPQ	Portable Compressor High Tank	245977
300H	Compressor w/John Deere or Caterpillar Engine	245974
375	Compressor Tier II Compliant w/3" Radiator Core (D)	245975
425Q	Compressor w/John Deere or Caterpillar Engine	245974
AIRPORT GROUND EQUIPMENT RADIATORS		
AIRPORT TUG		
Hobart Unit	Hobart Mobil Ground Support Unit	246300
TUG Unit	CBR, w/Oil Cooler, Has 4 Hose Connections, Requires Plug Set RW6001-1	246001
TUG Unit	All Aluminum, w/Oil Cooler, Has 4 Universal Hose Connections. Includes Plugs for the 2 Connections not used	246002
TUG Unit	Aluminum, w/Oil Cooler, Has 4 Hose Connections, Requires Plug Set RW6001-1	246008
TUG Unit	Set Of 2 Hose Connection Plugs For Use w/246001, 246002 & 246008 Radiators	RW6001-1
Wollard Unit	NMC-Wollard Tow Tractor Models 60, 100, 140, 200, MB4, NMC-Wollard Pushback Tow Tractor Model M400, NMC-Wollard Versatile Tow Tractor Model MT3	246007
COMMERCIAL MOWER RADIATORS		
ExMARK		
ExMark Commercial Mower	Commercial Lawn Mowers w/Kubota D902 Engines	245997
OIL PUMP RADIATORS		
AJAX		
7.25L & 8.5L ENGINES	Ajax Oil Pumps	245968
DP-60	Ajax Oil Pump	245969
STATIONARY ENGINE / GEN SET / POWER UNIT RADIATORS		
AGCO/ALLIS		
B125	Power Unit w/125 CID 4 Cyl Gas, Radiator Caps 21-14, 21-15	249551
W226	Power Unit w/225 CID 4 Cyl Gas, Radiator Caps 21-14, 21-15	219550
CASE/IH POWER UNIT		
P70	Irrigation Power Unit	219952
P85	Irrigation Power Unit	219952
P110	Irrigation Power Unit	219952
P140	Irrigation Power Unit	211037
P170	Irrigation Power Unit	211037
P215	Irrigation Power Unit	212067
P240	Irrigation Power Unit	212067
PX70	Irrigation Power Unit	219952
PX70	Power Unit	219952
PX85	Irrigation Power Unit	219952
PX85	Power Unit	219952

SPECIALTY RADIATOR APPLICATIONS

MODEL	REMARKS	PART #
STATIONARY ENGINE / GEN SET / POWER UNIT RADIATORS		
CASE/IH POWER UNIT (Cont)		
PX110	Irrigation Power Unit	219952
PX190	Irrigation Power Unit	212067
PX215	Irrigation Power Unit	212067
PX240	Irrigation Power Unit	212067
201	Power Unit	219580
336BD	Power Unit	219529
336BDT	Power Unit	219529
336D	Power Unit	219529
336DT	Power Unit	219529
4390	Power Unit	219532
4390T	Power Unit	219532
4391	Irrigation Power Unit	219952
4391T	Irrigation Power Unit	219952
4391TA	Irrigation Power Unit	219952
451BD	Power Unit	219529
504BD	Power Unit	219529
504D	Power Unit	219529
6591T	Irrigation Power Unit	211037
6591TA	Irrigation Power Unit	211037
6831T	Irrigation Power Unit	212067
6831TA	Irrigation Power Unit	212067
6831T	Power Unit	212067
6831TA	Power Unit	212067
CAT STATIONARY ENGINE		
		245979
	Side Rails Are Different	245978
S70	Irrigation Power Unit	219952
SE70	Irrigation Power Unit	219952
S85	Irrigation Power Unit	219952
SE85	Irrigation Power Unit	219952
S110	Irrigation Power Unit	219952
SE110	Irrigation Power Unit	219952
S140	Irrigation Power Unit, w/Tier 3 Engine, Radiator Cap 21-22	211037
SE140	Irrigation Power Unit, Radiator Cap 21-22	211037
S170	Irrigation Power Unit, w/Tier 3 Engine, Radiator Cap 21-22	211037
SE170	Irrigation Power Unit, Radiator Cap 21-22	211037
SE190	Irrigation Power Unit	212067
S215	Irrigation Power Unit	212067
SE215	Irrigation Power Unit	212067
S240	Irrigation Power Unit	212067

SPECIALTY RADIATOR APPLICATIONS

MODEL	REMARKS	PART #
SE240	Irrigation Power Unit	212067
FORD STATIONARY ENGINE		
Wood Chipper		246004
1.3L Engine		249886
STATIONARY ENGINE / GEN SET / POWER UNIT RADIATORS		
GMC POWER UNIT		
GMC Power Units	w/353 & 453 Detroit Diesel Engines, w/Shroud	246000
GMC Power Units	671 & 471 Detroit Diesel Power Units, 2 7/8" Core (D)	246003
GMC Power Units	671 & 471 Detroit Diesel Power Units, 3 1/2" Core (D)	246009
GEN SET GENERATOR		
	w/o Shroud or Fan Cage	245972
POWERTECH 2.4L	OEM Engine 4024TF220, Check Dimensions	212073
POWERTECH 2.4L	OEM Engine 4024TF220, Check Dimensions	219993
POWERTECH 2.4L	OEM Engine 4024TF270, Check Dimensions	219993
POWERTECH 2.4L	OEM Engine 4024TF270, Check Dimensions	212073
POWERTECH 2.4L	OEM Engine 4024TF280, Check Dimensios	219993
POWERTECH 2.4L	OEM Engine 4024TF280, Check Dimensios	212073
POWERTECH 2.4L	OEM Engine 4024TF281, Check Dimensions	212073
POWERTECH 3.0L	OEM Engine 5030HF220, Check Dimensions	219993
POWERTECH 3.0L	OEM Engine 5030HF220, Check Dimensions	212073
POWERTECH 3.0L	OEM Engine 5030HF270, Check Dimensions	219993
POWERTECH 3.0L	OEM Engine 5030HF270, Check Dimensions	212073
POWERTECH 3.0L	OEM Engine 5030TF220, Check Dimensions	212073
POWERTECH 3.0L	OEM Engine 5030TF220, Check Dimensions	219993
POWERTECH 3.0L	OEM Engine 5030TF270, Check Dimensions	212073
POWERTECH 3.0L	OEM Engine 5030TF270, Check Dimensions	219993
POWERTECH 4.5L	OEM Engine 4045TLV53, Check Dimensions	219993
POWERTECH 4.5L	OEM Engine 4045TLV54, Check Dimensions	219993
POWERTECH 4.5L	OEM Engine 4045TLV56, Check Dimensions	219993
POWERTECH 4.5L	OEM Engine 4045TE051, Check Dimensions	219993
POWERTECH 4.5L	OEM Engine 4045TT852, Check Dimensions	219993
POWERTECH + 4.5L	Check Dimensions	219933
POWERTECH 6.8L	OEM Engine 6068HF275	211064
POWERTECH 6.8L	OEM Engine 6068HF475	211064
POWERTECH 8.1L	OEM Engine 6081AF	211064
POWERTECH 8.1L	OEM Engine 6081HF	211064
POWERTECH 8.1L	OEM Engine 6081TF	211064
POWERTECH 12.5L	6125 Tier 2 Engines	211028
TLV53	Check Dimensions	219933
TLV54	Check Dimensions	219933
TLV56	Check Dimensions	219933

SPECIALTY RADIATOR APPLICATIONS

MODEL	REMARKS	PART #
TT852	Check Dimensions	219933
6 CYL 329 CU ENGINE	Stationary Unit	219725
4045TE051	Check Dimensions	219933
6329D ENGINE	w/Code 2701	219541
STATIONARY ENGINE / GEN SET / POWER UNIT RADIATORS		
6-466A		211040
6-466D		211040
6-466T		211040
4024T	w/Cooling Pkg RE522083, RE522085, RE526857, RE526858	212073
5030T	w/Cooling Pkg RE522083, RE522085, RE526857, RE526858	212073
6101AF		211064
6101HF		211064
Kubota Power Units		245991
A-41	Copper/Brass Construction	245967
A-46	Plastic Tank/Aluminum With Fan Shroud	245965
A-65	Plastic Tank/Aluminum With Fan Shroud	245966
		245980
	Copper/Brass Construction	245981
	w/o Oil Cooler	245983
	w/o Oil Cooler	245984
	Perkins Donkey Generator, Copper/Brass Construction, Has $\frac{3}{4}$ " (ID) Sensor Port on Top Tank	245970
TPN440	Perkins Donkey Generator	245971
WELDER RADIATORS		
Air Vantage	w/Kubota or Cummins Engine	245990
250D	Ranger	245987
305D	Ranger w/Kubota Engine	245987
SA-250	w/F163 Continental Engine, All Codes	249748
SAE-200	Pipeliners w/F162, F163 Continental Engines, w/Codes 3417 - 9530	249748
SAE-300	w/F226, F244 Continental Engines, QXLD3 Hercules Motor, Codes 3211 - 8716	249748
SAE-300	C22 I.N., Codes 6726 - 7429	249748
SAE-300	w/GM 2056 Engine, Codes 3879 - 8893U	249748
SAE-400	I.H. C263, Code 6727	249748
SAE-400	JXD w/Hercules Motor, Codes 3861 - 5270	249748
SAE-400	w/F224, F245 Continental Engines, Codes 5266 - 7370	249748
SAE-400	w/GM 2056 Engine, Codes 3879 - 8893U	249748
SAE-500	w/Perkins or Kubota Engine	245989
SAE-600	JXLD w/Hercules Motor, Codes 3861 - 5270	249748
SAF-300	w/F162, F163 Continental Engine, Codes 6793 - 6794	249748
SAF-300	w/F163 Continental Engine, Codes 5469 - 7258	249748

SPECIALTY RADIATOR APPLICATIONS

SPECIALTY APPLICATIONS

MODEL	REMARKS	PART #
Vantage 300	w/Kubota Engine	245987
Vantage 400	w/Perkins or Kubota Engine	245988
Vantage 500	w/Deutz or Perkins Engine	245988
Vantage 500	w/Cummins Engine	245990
WELDER RADIATORS		
Vantage 500i	w/Perkins or Kubota Engine	245988
200 AMP	w/Perkins or Continental Engine	249748
250 AMP	w/Perkins or Continental Engine	249748
400 AMP		249971
MILLER WELDER		
Bobcat 250	w/Kubota Diesel Electric D722 Engine	245999
Trailblazer 302	w/Kubota Diesel Electric D722 Engine	245999
WOOD CHIPPER		
Wood Chipper	w/OE# D8JL8005D	246004

CHARGE AIR COOLER APPLICATIONS

MODEL	OEM #	PART #
CASE/IH IRRIGATION POWER UNITS		
P70	82028450	222283
PX70	82028450	222283
P85	82028450	222283
P110	82028450	222283
PX110	82028450	222283
P140	82028450	222283
PX140	82028450	222283
P170	82028450	222283
PX170	82028450	222283
P215	194375A1, 437249A1, 1E4497	222282
PX215	194375A1, 437249A1, 1E4497	222282
P240	194375A1, 437249A1, 1E4497	222282
PX240	194375A1, 437249A1, 1E4497	222282
FORD/NEW HOLLAND IRRIGATION POWER UNITS		
S70	82028450	222283
SS85	82028450	222283
S70	82028450	222283
S110	82028450	222283
SE110	82028450	222283
S140	82028450	222283
SE140	82028450	222283
S170	82028450	222283
SE170	194375A1, 437249A1, 1E4497	222282
SE190	194375A1, 437249A1, 1E4497	222282
SE215	194375A1, 437249A1, 1E4497	222282
SE240	194375A1, 437249A1, 1E4497	222282

CHARGE AIR COOLER APPLICATIONS

COMPRESSOR OIL COOLER APPLICATIONS

Northern air compressor oil coolers feature all aluminum bar and plate construction for heavy industrial duty cycles. The cores are mono constructed featuring multi fluid circuits that separate and cool more than one stream of oil within the same core assembly.



MODEL	OEM #	PART #
INGERSOLL-RAND COMPRESSORS		
INFINITY	OE# 99329441LM, 65 CFM, 11KW COOLER	190001
PEGASUS	OE# 22082499LM, 57-85 CFM, 15KW COOLER	190002
VARIABLE	OE# 22357941LM, 54-60 CFM, 11KW COOLER	190000

RTF OIL COOLER LOOK-UP

HEAVY DUTY TRUCK, AGRICULTURAL AND INDUSTRIAL ENGINE, TRANSMISSION AND HYDRAULIC OIL COOLERS

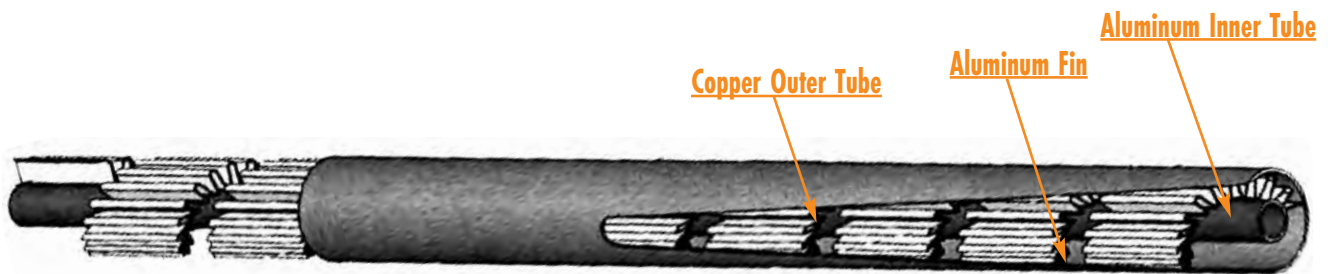
Northern round tube & fin (RTF) oil coolers are interchangeably used for cooling a variety of oils and fluids in a wide variety of truck, agricultural and industrial equipment applications.

Because the uses overlap and the coolers are the same, any given RTF style cooler may have hundreds of OEM part numbers. But unlike other parts, if you can identify the cooler by sight or dimension, you can easily find the replacement cooler.



RTF OIL COOLER

All Northern RTF coolers feature fin turbulations in the tubes. This design meets industry standards specified in applications for RTF coolers.



RTF OIL COOLER LOOK-UP

HEAVY DUTY AUTOMATIC TRANSMISSION COOLER APPLICATIONS

Allison Transmission Equipment Vehicles Operated for use at speeds **BELOW** 30mph while under load

Allison Transmission Model	GPM Flow	Horsepower	Northern Replacement Cooler #	Northern Add-On Cooler #
AT 540, 542, 545	4.5 545	125	191271	191299
		150	191271	191299
		175-235	191271	191299
MT 40, 41, 42 Series	8.0	150	191292	191290
		200	192305	191292
		250	192306	192305
MT643, 645, 653	8.0	175-200	191271	191292
		250	192306	191271
MT 644, 645, 647, 648, 654, MT645CR, 655, 656CR	12.0	200	192305	191290
		250	192305	191292
		300	191297	192305
HT 740, 747, 748, 750, HT 7500OR, 754, 755CR, HT755OR, CBLT 754	15.0	250	192306	191292
		300	191297	192305
		350	191298	192306
		400	191298	191297
		425	192312	191298
V 730, 730	20.0	200	Consult Factory	Consult Factory

* Northern Add-On Coolers are recommended and often used as OEM on applications which are heavily loaded and seldom perform under light load. We recommend these coolers as add-on or coolers-in-series to improve and reduce automatic transmission fluid temperature control - your OEM installed add-on cooler may vary in size and a replacement cooler of a different size may be located by using the RTF Oil Cooler Dimensional look-up chart on page 36.

Allison Transmission equipped vehicles operated **OVER** 30 mph while under load

Allison Transmission Model	Horsepower	Northern Replacement Cooler #	Northern Add-On Cooler #
AT 540, 545, 547, Series 2000, 2400	100	191260	191241
	140	191236	191234
	175	191299	191236
	235	191271	191299
MT 40, 41, 42, 643, 653DR	150	191236	191234
	200	191299	191260
	250	191271	191236
MT 644, 654CR, 647, 646 (all w/o retarder)	200	191290	191260
	250	191292	191236
	300	192305	191290
MT 8600 (all w/o retarder)	ALL	Consult Factory	192294
H 7700 Series (all w/o retarder) V 730, 731	250	191292	191237
	300	192305	191291
	375	192306	191292
	410	191272	192305
	425	192307	191205
H 7700 Series, H 8700 Series (all w/o retarder)	ALL	Consult Factory	192308

RTF OIL COOLER LOOK-UP

CLARK, TWIN-DISK AND OTHER TRANSMISSIONS (ALL W/O RETARDER)

Transmission Model	Horsepower	Northern Replacement Cooler #	Northern Add-On Cooler #
Other than Allison (Clark, Twin-Disk, etc all w/o retarder)	100	191260	191241
	150	191236	191234
	200	191290	191260
	250	191292	191237
	300	192305	191291
	350	192308	191292
	400	191272	192305
	450	192307	192305
	500	191298	192306
	Over 500	Consult Factory	Consult Factory

NOTE: If you did not find your application, your cooler may be identified by physical dimensions. Compare your OEM cooler dimensions to the RTF Oil Cooler Dimensional look-up chart on Page 36. Matching the cooler size will provide a correct replacement.

HEAVY DUTY MANUAL TRANSMISSION COOLER APPLICATIONS

Manual transmissions with a built in oil pump often require oil coolers to maintain temperature control. Below are the most common replacement manual transmission coolers which are used frequently on Fuller® and Spicer® brand manual transmissions. However, these coolers may also be used on any brand manual transmission that has an internal or external oil pump.

Fuller®/Spicer® Manual Transmissions	Northern Standard Replacement	Northern Heavy Duty Replacement
Fuller® w/oil pump*	191240	191233
Spicer® w/oil pump*	191240	191233

* Works on either internal transmission pump or power take-off mounted transmission pumps.

NOTE: If you didn't find your application, your cooler may be identified by physical dimensions. Compare your OEM cooler dimensions to the RTF Oil Cooler Dimensional Look-up on page 36. Matching the cooler size will provide a correct replacement.

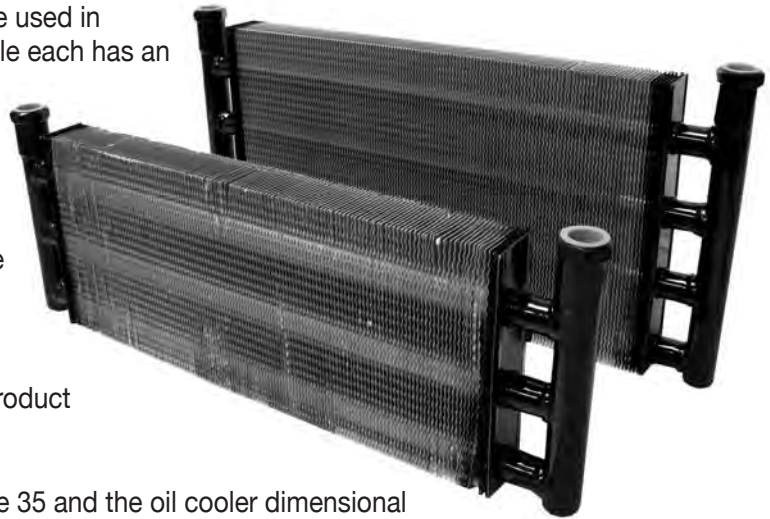
RTF OIL COOLER LOOK-UP

AGRICULTURAL AND INDUSTRIAL HYDRAULIC & HYDROSTATIC OIL COOLERS

Hydraulic and Hydrostatic oil coolers are used in thousands of OEM applications and while each has an OEM part number, the coolers used are usually identified by visual features i.e. number of rows of tubes, physical size and inlet & outlet fitting requirements.

Since tracking OEM part numbers of the various uses is an impossible task, we suggest you use physical appearance, product measurements and inlet/outlet characteristics to help you make your product selection.

The included industry crossover on page 35 and the oil cooler dimensional look-up chart on page 36 may be used to match your existing cooler by brand cross-over or dimension to a Northern replacement cooler.



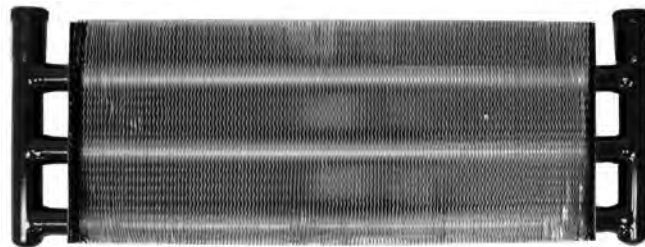
ENGINE OIL COOLERS FOR HEAVY DUTY GASOLINE, DIESEL, LP AND NATURAL GAS POWERED ENGINES

Northern RTF Oil Coolers may be used for all engine oil cooler applications for gasoline, diesel, LP or natural gas powered engines. All Northern RTF coolers' heat transfer performance is enhanced by the patented inner fin turbulator. Rated at 200 psi operating pressure, the RTF cooler offers a cost efficient high performance alternative to the light duty coolers used as OEM on thousands of pickups, SUVs, trucks, tractors and construction equipment.

The most common RTF cooler used as an engine oil cooler is

Part #: 191240

For best results, Northern recommends that the RTF Oil Cooler be mounted in front (on the grill side) of the radiator.



NOTE: If you didn't find your application, your cooler may be identified by physical dimensions. Compare your OEM cooler dimensions to the RTF Oil Cooler Dimensional Look-up on page 36. Matching the cooler size will provide a correct replacement.

Mount Kit #: 195151

New mounting hardware may be necessary to mount your replacement cooler. Please note the quantity of mounting hardware kits varies on each cooler and is listed in the dimensional look-up chart on page 36.



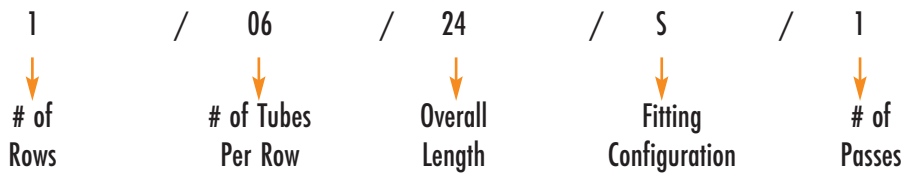
RTF OIL COOLER LOOK-UP

OIL COOLER INDUSTRY CROSS REFERENCE

Northern Part #	Industry Part #	Hayden Industrial #	Thermal Dynamics #	Thermal Transfer #	Standard Motor Products # (Hayden)	Grainger #	McMaster Carr #
191240	10318S1	10318S1	DB1240-09	DH073-1-1	1240, 10401, 1046	-----	3525K21
191233	10418R1	10418-R1	DB1233	DH-095-4-1	1236	-----	-----
191232	10418S1	10418S1	DB1232	DH-095-1-1	-----	-----	-----
191268	10618S1	10618-S1	DB1268	DH-194-1-1	1268	4F361	3525K14
191241	10421S1	10421-S1	DB1241	DH-106-1-1	1241	-----	3525K13
191234	10621S1	10621-S1	DB1234	DH-204-1-1	1234	4F362	-----
191260	10624S1	10624-S1	DB1260	DH-216-1-1	1260	-----	-----
191236	10824S1	10824-S1	DB1236	DH-238-1-1	1284	-----	-----
191237	10824R1	10824-R1	DB1237	DH-238-4-1	-----	-----	-----
191290	10924S1	10924-S1	DB1290	DH-249-1-1	1290	4F363	3525K25
191291	10924R1	10924-R1	DB1291	DH-249-4-1	-----	-----	-----
191299	11024S2	11024S2P	DB1299	DH96227	1299	-----	-----
191292	11224S1	1124-S1	DB1292	DH-326-1-1	1292	-----	3525K26
192305	11524S1	-----	DB2305	-----	2305	-----	-----
191271	11230S2	11230-S2P	DB1271	DH-337-83795	1271	-----	-----
192306	11530S1	-----	DB2306	-----	2306	-----	-----
191297	11830S1	-----	DB1297	-----	1297	-----	-----
192294	21830T1	21830-T1	DB2294	DH-626-1-1	-----	-----	-----
192307	11833R1	11833-R1	DB2307	DH-96231	-----	-----	-----
191272	11536S1	11536-S1	DB1272	DH-370-1-1	-----	1DBA4	-----
191298	11840R1	11840-R1	DB1298	DH-436-4-1	1298	-----	-----
192308	21840T1	21840-T1	DB2308	DH-649-1-1	-----	-----	-----
192312	12042R1	12042-R1	DB2312	DH-447-4-1	2312	-----	-----

RTF OIL COOLER LOOK-UP

IDENTIFY RTF OIL COOLER BY INDUSTRY PART NUMBER



TIPS FOR CHOOSING THE CORRECT RTF COOLER BY SIZE

If the customer calls and says he wants to replace a part that is 24" long x 12" high x 1 1/2" thick, you can use the following guidelines to narrow the choices on parts that may work:

- Each row in a Northern RTF cooler requires 1" of thickness per tube. With this in mind, the customer needs a single row cooler.
- All Northern RTF tubes are spaced 2" apart center to center. Therefore, a 12" high cooler will have 6 tubes.
- Since we know that the length of the cooler is 24", we can formulate at least a portion of the long part number: 10624.
- By scanning through the numbers on the dimension guide, you will find that there is one part that begins with 10624.
- Make sure to verify the fitting before confirming the Northern RTF Oil Cooler.

OIL COOLER DIMENSIONAL LOOK-UP

Northern Part #	Industry Part #	Overall Width	Overall Height	Overall Depth	**Heat Rejection (BTU/HR)	Flow Range (GPM)	Fittings NPT (Female)	Mtg Kit (Qty Required)
191240	10318S1	18"	7"	1 1/2"	8,600 - 11,600	2-12	1/2"*	195151 (2)
191238	10318S2	18"	7"	1 1/2"	8,000 - 11,600	2-12	3/4"*	195151 (2)
191233	10418R1	18"	9"	1 1/2"	10,000 - 14,200	2-16	3/4"*	195151 (2)
191268	10618S1	18"	13"	1 1/2"	16,500 - 21,500	4-20	3/4"*	195151 (2)
191241	10421S1	21"	9"	1 1/2"	12,400 - 17,600	2-12	1/2"	195151 (2)
191234	10621S1	21"	13"	1 1/2"	18,250 - 25,000	4-20	3/4"*	195151 (2)
191260	10624S1	24"	13"	1 1/2"	22,000 - 31,000	4-20	3/4"*	195151 (2)
191236	10824S1	24"	17"	1 1/2"	26,100 - 36,600	4-20	3/4"*	195151 (3)
191237	10824R1	24"	17 5/16"	1 1/2"	25,500 - 37,700	4-26	1"	195151 (3)
191290	10942S1	24"	19"	1 1/2"	31,500 - 42,500	5-20	3/4"*	195151 (3)
191291	10924R1	24"	19 5/16"	1 1/2"	31,000 - 45,000	5-30	1"	195151 (3)
191299	11024S1	24"	22 3/8"	1 1/2"	26,500 - 45,000	2-12	3/4"*	195151 (3)
191292	11224S1	24"	25 5/16"	1 1/2"	39,000 - 56,500	5-30	1"	195151 (4)
192305	11524S1	24"	31 5/16"	1 1/2"	47,000 - 68,000	5-30	1"	195151 (4)
191271	11230S2	30"	26 3/4"	1 1/2"	44,500 - 67,500	4-14	1"	195151 (4)
192306	11530S1	30"	31 5/16"	1 1/2"	56,000 - 86,000	5-30	1"	195151 (4)
191297	11830S1	30"	38 5/16"	1 1/2"	70,000 - 115,000	9-72	2"	195151 (4)
192294	21830T1	30"	41 1/4"	3"	130,000 - 200,000	20-125	2"	-----
192307	11833R1	33"	38 5/16"	1 1/2"	76,000 - 129,000	9-72	2"	-----
191272	11536S1	36"	31 5/16"	1 1/2"	69,000 - 99,000	8-30	1"	195151 (4)
191298	11840R1	40"	37 7/8"	1 1/2"	92,000 - 160,000	9-72	2"	-----
192308	21840T1	40"	41 1/4"	3"	170,000 - 282,000	20-125	2"	-----
192312	12042R1	42"	44 7/16"	1 1/2"	106,000 - 192,000	10-80	2"	-----

* 3/4" to 1/2" adapter available order part # Z50650

**Heat rejection based on vehicle traveling at 12 mph and 100° F inlet temperature differential.

RADIATOR ILLUSTRATIONS

JOHN DEERE

211028

Core Dimensions:
39" x 36 3/4" x 3 3/4"
Inlet: 2 1/2"
Outlet: 2 1/2"
FPI: 10



CASE/IH

211037

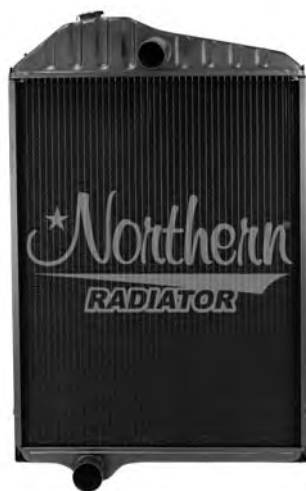
Core Dimensions:
22 1/2" x 21 3/8" x 4"
Inlet: 2 1/4"
Outlet: 2 1/4"
FPI: 10
Filler Neck Height: 3/4"
Radiator Cap:
RW0021-22
Notes:
Has a 3/4" - 16 UNF Port
next to outlet
connection



JOHN DEERE

211040

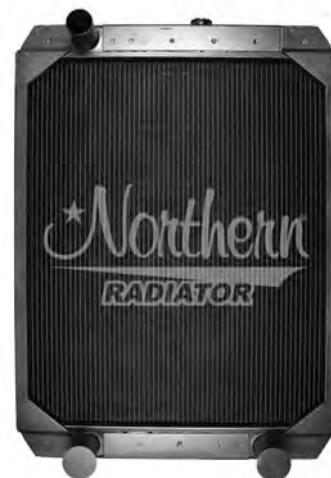
Core Dimensions:
28" x 21 1/2" x 2 5/8"
Inlet: 2"
Outlet: 2 1/4"
FPI: 10 Flat Fin
Filler Neck Height: 3/4"



JOHN DEERE

211064

Core Dimensions:
36 3/4" x 30" x 4"
Inlet: 2 1/2"
Outlet: 2 1/2"
FPI: 8 Flat Fin
Notes:
w/o Oil Cooler
This radiator has 2 outlet
hose connections. Both
are closed. To open the
correct outlet for your
hose configuration, use a
saw or pipe cutter on the
1" of extra pipe between
the hose bead and
welding cap of the outlet.



CASE/IH

212067

Core Dimensions:
28" x 28 3/8" x 4"
Inlet: 2 1/4"
Outlet: 2 5/8"
FPI: 8
Filler Neck Height: 3/4"



JOHN DEERE

212073

Core Dimensions:
22 5/8" x 20 3/4" x 2 1/4"
Inlet: 1 3/4"
Outlet: 1 3/4"
FPI: 10 Serpentine
Notes:
w/o Oil Cooler



RADIATOR ILLUSTRATIONS

CASE/IH

219529

Core Dimensions:

23 3/4" x 22 1/2" x 3 1/8"

Inlet: 2 1/2"

Outlet: 2 3/4"

FPI: 9

Filler Neck Height: 2 1/8"

Radiator Cap:

RW0021-1, RW0021-2,
RW0021-3



CASE/IH

219532

Core Dimensions:

19 1/2" x 19 3/8" x 2"

Inlet: 1 3/4"

Outlet: 2 1/4"

FPI: 8

Filler Neck Height: 3/4"

Radiator Cap:

RW0021-12



CASE/IH

219533

Core Dimensions:

19 3/8" x 19 1/4" x 2 1/8"

Inlet: 1 3/4"

Outlet: 2 1/4"

FPI: 8

Filler Neck Height: 3/4"

Radiator Cap:

RW0021-12



JOHN DEERE

219541

Core Dimensions:

24 3/8" x 19 3/8" x 2 1/4"

Inlet: 2"

Outlet: 2"

FPI: 9

Filler Neck Height: 1 3/8"

Radiator Cap:

RW0021-14



ALLIS CHALMERS

219550

Core Dimensions:

18 1/2" x 18" x 1 5/8"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 8

Filler Neck Height: 1"

Radiator Cap:

RW0021-14, RW0021-15



AGCO/ALLIS CHALMERS

219551

Core Dimensions:

14 1/4" x 14 3/8" x 1 3/4"

Inlet: 1 1/4"

Outlet: 1 1/4"

FPI: 8

Filler Neck Height: 1 1/8"

Radiator Cap:

RW0021-14, RW0021-15

Notes:

w/o Oil Cooler.



RADIATOR ILLUSTRATIONS

CASE/IH	219580	JOHN DEERE	219589
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Core Dimensions:
 17 5/8" x 18 5/16" x 2 1/8"
Inlet: 2"
Outlet: 1 3/4"
FPI: 8
Filler Neck Height: 1 3/8"
Radiator Cap:
 RW0021-15
Notes:
 w/o Oil Cooler.



Core Dimensions:
 20 1/8" x 13 1/4" x 2 3/4"
Inlet: 1 1/2"
Outlet: 2"
FPI: 9
Filler Neck Height: 1"
Radiator Cap:
 RW0021-14



JOHN DEERE	219711	JOHN DEERE	219725
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Core Dimensions:
 20" x 18" x 2"
Inlet: 1 1/2"
Outlet: 2"
FPI: 10
Filler Neck Height: 1"
Radiator Cap:
 RW0021-14
Notes:
 w/o Oil Cooler.



Core Dimensions:
 27 3/4" x 27" x 3 1/2"
Inlet: 2"
Outlet: 2"
FPI: 6
Filler Neck Height: 3/4"



JOHN DEERE	219768	JOHN DEERE	219933
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Core Dimensions:
 17 5/8" x 23 1/4" x 2"
Inlet: 1 1/2"
Outlet: 1 7/8"
FPI: 8
Filler Neck Height: 1 5/8"



Core Dimensions:
 22" x 21 1/4" x 2 3/4"
Inlet: 1 3/4"
Outlet: 1 3/4"
FPI: 10
Filler Neck Height: 1"



RADIATOR ILLUSTRATIONS

CASE/IH

219952

Core Dimensions:

18 1/2" x 19" x 3 1/2"

Inlet: 1 3/4"

Outlet: 2 1/4"

FPI: 9

Rows: 5

Filler Neck Height: 3/4"

Radiator Cap:
RW0021-12

Notes:
w/o Oil Cooler.



JOHN DEERE

219993

Core Dimensions:

22 5/8" x 13 1/2" x 4 7/8"

Inlet: 2"

Outlet: 2"

FPI: 9

Rows: 7

Filler Neck Height: 7/8"

Notes:
w/o Oil Cooler.



JOHN DEERE

219999

Core Dimensions:

20 1/8" x 18" x 2"

Inlet: 1 1/2"

Outlet: 1 7/8"

FPI: 8

Rows: 3

Filler Neck Height: 2"



KUBOTA

245965

Core Dimensions:

13 3/4" x 14 1/2" x 1 1/4"

Inlet: 1 1/8"

Outlet: 1 1/8"

Notes:
Includes fan shroud



KUBOTA

245966

Core Dimensions:

14 3/4" x 14 1/2" x 1 5/16"

Inlet: 1 1/8"

Outlet: 1 1/8"

Notes:
Includes fan shroud



KUBOTA POWER UNIT 245967

Core Dimensions:

13 3/4" x 16 7/16" x 1 3/4"

Inlet: 1 1/8"

Outlet: 1 1/8"

Notes:
Includes fan shroud



RADIATOR ILLUSTRATIONS

AJAX OIL PUMP

245968

Core Dimensions:

20 1/8" x 18 3/4" x 2 5/8"

Inlet: 2"

Outlet: 2"

Rows: 3



AJAX OIL PUMP

245969

Core Dimensions:

25 3/4" x 25" x 3 1/2"

Inlet: 2 1/2"

Outlet: 2 1/2"

Rows: 4

Notes:

Flanged 2 1/2" connections



PERKINS GENERATOR 245970

Core Dimensions:

17 3/8" x 13 1/8" x 1 3/8"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 14

Rows: 2

Notes:

Has 3/4" (ID) sensor port on top tank, w/o Oil Cooler



PERKINS GENERATOR 245971

Core Dimensions:

19 3/4" x 13 1/8" x 1 3/8"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 13 Serpentine

Rows: 2



ISUZU GEN SET

245972

Core Dimensions:

17" x 19 3/8" x 2 1/2"

Inlet: 1 1/4"

Outlet: 1 1/4"

FPI: 12 Serpentine

Filler Neck Height: 1"

Rows: 4

Notes:

w/o Oil Cooler, Includes shroud and finger guard



SULLAIR COMPRESSOR 245973

Core Dimensions:

21 1/8" x 23 1/8" x 2 1/4"

Inlet: 1 1/2"

Outlet: 2"

Rows: 3

Notes:

w/o Oil Cooler



RADIATOR ILLUSTRATIONS

SULLAIR COMPRESSOR 245974

Core Dimensions:
29" x 14 1/8" x 2 3/16"
Inlet: 1 3/4"
Outlet: 2"

Notes:
w/o Oil Cooler.



SULLAIR COMPRESSOR 245975

Core Dimensions:
29" x 12 3/8" x 3"
Inlet: 1 3/4"
Outlet: 2"

Notes:
w/o Oil Cooler



SULLAIR COMPRESSOR 245976

Core Dimensions:
26" x 14" x 3"
Inlet: 1 1/2"
Outlet: 2"

Notes:
w/o Oil Cooler



SULLAIR COMPRESSOR 245977

Core Dimensions:
26" x 14" x 3"
Inlet: 1 3/4"
Outlet: 2"

Notes:
w/o Oil Cooler



PERKINS 245980

Core Dimensions:
19 5/8" x 21 1/4" x 1 5/8"
Inlet: 1 3/4"
Outlet: 1 1/2"
FPI: 9
Filler Neck Height: 7/8"



PERKINS 245981

Core Dimensions:
19 3/4" x 21 1/4" x 1 3/4"
Inlet: 1 3/4"
Outlet: 1 1/2"
FPI: 8 Flat Fin
Filler Neck Height: 3/4"



RADIATOR ILLUSTRATIONS

PERKINS 245983 PERKINS 245984

Core Dimensions:
22" x 22" x 3 1/4"
Inlet: 2"
Outlet: 2 1/8"
FPI: 10
Filler Neck Height: 1"
Rows: 4

Core Dimensions:
22" x 21 7/8" x 1 7/8"
Inlet: 2"
Outlet: 2"
FPI: 14
Filler Neck Height: 1"
Rows: 3
Notes:
w/o Oil Cooler



LINCOLN 245987 LINCOLN 245988

Core Dimensions:
18" x 15 1/4" x 2"
Inlet: 1 5/16"
Outlet: 1 1/8"
FPI: 9 Serpentine
Filler Neck Height: 2 1/2"
Rows: 3
Notes:
w/o Fan Shroud



Core Dimensions:
20 9/16" x 14 3/4" x 1 1/2"
Inlet: 1 5/16"
Outlet: 1 1/8"
FPI: 8 Serpentine
Filler Neck Height: 1 1/2"
Rows: 2
Notes:
w/o Fan Shroud



LINCOLN 245989 LINCOLN 245990

Core Dimensions:
21 5/16" x 19 1/2" x 1 1/16"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 9 Serpentine
Filler Neck Height: 1 1/2"
Rows: 2
Notes:
w/Fan Shroud



Core Dimensions:
23 3/8" x 21 7/8" x 2 1/2"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 9 Serpentine
Filler Neck Height: 1 1/2"
Rows: 3
Notes:
w/o Fan Shroud



RADIATOR ILLUSTRATIONS

KUBOTA

245991

Core Dimensions:

16 ³/₄" x 17 ⁵/₈" x 1 ¹/₄"

Inlet: 1 ¹/₈"

Outlet: 1 ¹/₈"

Radiator Cap:

RW0021-6, RW0021-23



JOHN DEERE

245992

Core Dimensions:

21 ⁵/₈" x 19 ¹/₄" x 2 ³/₄"

Inlet: 1 ³/₄"

Outlet: 2"



SULLAIR

245996

Core Dimensions:

25 ⁷/₈" x 9 ⁷/₈" x 2 ¹/₄"

Inlet: 1 ¹/₂"

Outlet: 2"



EXMARK

245997



Core Dimensions: 19 ³/₄" x 17 ³/₈" x 3"

Inlet: 1"

Outlet: 1"

Notes: Includes fan shroud. Both hose connections are on opposite tank of fill neck.

GMC

246000

Core Dimensions:

25" x 25 ¹³/₁₆" x 3 ⁷/₁₆"

Inlet: 1 ³/₄"

Outlet: 2"

FPI: 6

Radiator Cap:

RW0021-4,
RW0021-9

Notes:

w/o Oil Cooler



AIRPORT TUG

246001

Core Dimensions:

18" x 19 ¹/₂" x 1 ⁷/₈"

Inlet: 1 ¹/₂"

Outlet: 1 ¹/₂"

Rows: 3

Filler Neck Height: ³/₄"

Notes:

Has 4 hose connections, Use RW6001-1 plug set for connections not used



RADIATOR ILLUSTRATIONS

AIRPORT TUG

246002

Core Dimensions:

18 3/4" x 19 1/4" x 1 7/8"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 16

Rows: 2

Filler Neck Height: 3/4"

Notes:

Aluminum w/6" CTRS
Oil Cooler, 1/4" NPT
Fittings, Has 4
universal hose
connections, includes
plugs for the 2
connections not used



GMC

246003

Core Dimensions:

28 7/8" x 26" x 2 7/8"

Inlet: 1 3/4"

Outlet: 2"

FPI: 10

Rows: 4

Radiator Cap:

RW0021-4, RW0021-9

Notes:

w/o Oil Cooler



FORD

246004

Core Dimensions:

20 1/8" x 19 1/2" x 3 5/16"

Inlet: 1 1/2"

Outlet: 1 3/4"

FPI: 10

Filler Neck Height: 1 5/8"

Rows: 6

Radiator Cap:

RW0021-4



AIRPORT TUG

246007

Core Dimensions:

19 1/2" x 19 1/2" x 3 3/4"

Inlet: 1 3/4"

Outlet: 1 3/4"

FPI: 10

Filler Neck Height: 7/8"

Rows: 6



AIRPORT TUG

246008

Core Dimensions:

18 3/4" x 17 5/8" x 2 11/16"

Inlet: 1 5/8"

Outlet: 1 5/8"

FPI: 10

Rows: 2

Notes:

Aluminum w/6" CTRS
Oil Cooler, 1/8" NPT
Fittings, Has 4 hose
connections, Use
RW6001-1 plug set for
connections not used



GMC

246009

Core Dimensions:

28 7/8" x 26" x 3 1/2"

Inlet: 1 3/4"

Outlet: 2"

FPI: 10

Rows: 5

Radiator Cap:

RW0021-4,
RW0021-9

Notes:

w/o Oil Cooler



RADIATOR ILLUSTRATIONS

KOMATSU

246010



Core Dimensions: 19 3/4" x 17" x 2 1/8"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 7 **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler, Non Louvered Flat fin

TOYOTA

246012



Core Dimensions: 17 3/4" x 17 5/8" x 1 7/8"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler, Non Louvered Flat fin

CLARK

246020



Core Dimensions: 21 1/4" x 15 1/4" x 2 7/8"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 6 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/o Oil Cooler.

CLARK

246021



Core Dimensions: 21 1/4" x 15 1/4" x 2 1/4"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 6 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/o Oil Cooler.

CLARK

246022



Core Dimensions: 20" x 12 3/4" x 2"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 7 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/o Oil Cooler.

CLARK

246023



Core Dimensions: 21 3/8" x 12 3/4" x 2 5/8"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 7 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/o Oil Cooler

RADIATOR ILLUSTRATIONS

KOMATSU

246026



Core Dimensions: 20 3/4" x 21 3/4" x 2 1/2"
Inlet: 1 3/4" **Outlet:** 1 3/4"
FPI: 9 Serpentine **Filler Neck ID:** 1 5/8"
Notes: w/2 Oil Coolers, 15" Centers **Radiator Cap:** RW0021-2

KOMATSU

246027



Core Dimensions: 20 3/4" x 21 5/8" x 2 5/8"
Inlet: 1 3/4" **Outlet:** 1 3/4"
FPI: 10 Serpentine **Filler Neck ID:** 1 5/8"
Notes: w/2 Oil Coolers, 15" Centers **Radiator Cap:** RW0021-2

KOMATSU

246031



Core Dimensions: 17 3/4" x 16 15/16" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-6

KOMATSU

246032



Core Dimensions: 18" x 17" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler. **Radiator Cap:** RW0021-6

KOMATSU

246033



Core Dimensions: 15 3/4" x 16 5/8" x 2 5/8"
Inlet: 1 1/4" **Outlet:** 1 1/4"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU

246034



Core Dimensions: 15 3/4" x 16 1/2" x 2 5/8"
Inlet: 1 1/4" **Outlet:** 1 1/4"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

KOMATSU

246035



Core Dimensions: 16" x 16 ³/₄" x 2"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler

KOMATSU

246036



Core Dimensions: 20 ³/₄" x 21 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₂" **Outlet:** 1 ³/₄"
FPI: 10 Serpentine **Filler Neck ID:** 1 ⁵/₈"
Notes: w/15" CTRS Oil Cooler **Radiator Cap:** RW0021-2

KOMATSU/ALLIS/KALMAR 246037



Core Dimensions: 20 ³/₄" x 21 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₂" **Outlet:** 1 ³/₄"
FPI: 14 Serpentine **Filler Neck ID:** 1 ⁵/₈"
Notes: w/15" CTRS Oil Cooler **Radiator Cap:** RW0021-2

KOMATSU

246039



Core Dimensions: 20 ⁷/₈" x 21 ⁵/₈" x 2 ¹/₂"
Inlet: 1 ¹/₂" **Outlet:** 1 ³/₄"
FPI: 9 **Filler Neck ID:** 1 ⁵/₈"
Notes: w/15" CTRS Oil Cooler

KOMATSU

246043



Core Dimensions: 17 ³/₄" x 16 ⁵/₈" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 8 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU/ALLIS/KALMAR 246044



Core Dimensions: 17 ³/₄" x 16 ³/₄" x 2 ³/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

KOMATSU

246045



Core Dimensions: 17 ³/₄" x 17" x 2 ¹/₂"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler.

KOMATSU

246046



Core Dimensions: 17 ⁵/₈" x 16 ¹/₂" x 2 ¹/₂"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU/ALLIS/KALMAR 246047



Core Dimensions: 17 ³/₄" x 16 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU/ALLIS/KALMAR 246048



Core Dimensions: 19 ³/₄" x 16 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 8 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU

246049



Core Dimensions: 19 ³/₄" x 16 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 7 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU

246050



Core Dimensions: 19 ³/₄" x 17" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 8 Serpentine **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler.

RADIATOR ILLUSTRATIONS

KOMATSU

246056



Core Dimensions: 15 ³/₄" x 16 ³/₄" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄"
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

TOYOTA

246058



Core Dimensions: 17" x 16 ³/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 8 Serpentine **Filler Neck ID:** 32 mm
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246059



Core Dimensions: 17" x 16 ³/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246060



Core Dimensions: 19 ³/₄" x 16 ³/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 7 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8 ¹/₂" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246061



Core Dimensions: 19 ³/₄" x 16 ⁷/₈" x 2 ⁵/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8 ¹/₂" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246062



Core Dimensions: 17" x 17" x 2 ⁵/₈"
Inlet: 1 ¹/₄" **Outlet:** 1 ¹/₄" **FPI:** 10 Serpentine
Notes: w/10 ³/₄" Oil Cooler

RADIATOR ILLUSTRATIONS

TOYOTA

246063



Core Dimensions: 17" x 17" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246065



Core Dimensions: 19 3/4" x 17" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246066



Core Dimensions: 19 3/4" x 17" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246067



Core Dimensions: 19 5/8" x 19 1/8" x 2 5/8"
Inlet: 1 1/4" **Outlet:** 1 1/4"
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246072



Core Dimensions: 20 5/8" x 17 5/8" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246073



Core Dimensions: 20 5/8" x 17 3/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 32 mm **Rad. Cap:** RW0021-6
Notes: w/2 Oil Coolers, 10 plate w/8" CTRS, 8 Plate w/11" CTRS

RADIATOR ILLUSTRATIONS

TOYOTA

246075



Core Dimensions: 19 ³/₄" x 17" x 2"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm **Rad. Cap:** RW0021-6
Notes: w/8 Plate, 11" CTRS Oil Cooler. May require use of lower mount bracket from OE Radiator.

HYSTER/YALE

246076



Core Dimensions: 19" x 19 ¹/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler

HYSTER/YALE

246078



Core Dimensions: 16 ³/₄" x 16 ³/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-6

HYSTER/YALE

246079



Core Dimensions: 19" x 19 ¹/₄" x 2 ⁵/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 Square Wave **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler

HYSTER/YALE

246080



Core Dimensions: 19" x 19 ¹/₄" x 2 ¹/₂"
Inlet: 1 ¹/₂" **Outlet:** 1 ¹/₂"
FPI: 6 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler

HYSTER/YALE

246081



Core Dimensions: 18 ³/₄" x 17" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-23

RADIATOR ILLUSTRATIONS

HYSTER/YALE

246082



Core Dimensions: 19" x 17" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Square Fin **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-23

HYSTER/YALE

246083



Core Dimensions: 18 3/4" x 17" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-23

HYSTER/YALE

246084



Core Dimensions: 19" x 17" x 2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Square Fin **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-23

HYSTER/YALE

246085



Core Dimensions: 17" x 17" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-23

HYSTER/YALE

246086



Core Dimensions: 17 3/4" x 17" x 1 9/16"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-6

HYSTER/YALE

246087



Core Dimensions: 17 3/4" x 16 7/8" x 2 5/8"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 9 Serpentine **Filler Neck ID:** 1 5/8"
Notes: w/8" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

HYSTER/YALE

246088



Core Dimensions: 17 ³/₄" x 16 ⁷/₈" x 2 ¹/₂"
Inlet: 1 ¹/₂" **Outlet:** 1 ¹/₂"
FPI: 6 Flat Fin **Filler Neck ID:** 1 ⁵/₈"
Notes: w/8" CTRS Oil Cooler

HYSTER/YALE

246089



Core Dimensions: 19" x 19 ¹/₄" x 2 ¹/₂"
Inlet: 1 ¹/₂" **Outlet:** 1 ¹/₂"
FPI: 9 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler, ¹/₄" NPT Sensor port on upper right side

HYSTER/YALE

246090



Core Dimensions: 18 ⁷/₈" x 19" x 2 ³/₈"
Inlet: 1 ¹/₂" **Outlet:** 1 ¹/₂"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" Oil Cooler, ¹/₄" NPT sensor port on upper right side

HYSTER/YALE

246091



Core Dimensions: 19" x 19 ¹/₄" x 2 ¹/₂"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 9 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler, ³/₈" NPT female fittings.

HYSTER/YALE

246092



Core Dimensions: 19" x 19 ¹/₄" x 2 ⁵/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler

HYSTER/YALE

246093



Core Dimensions: 19" x 19 ¹/₄" x 2 ¹/₂"
Inlet: 1 ¹/₂" **Outlet:** 1 ¹/₂" **Row:** 4
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11 ¹/₂" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

HYSTER/YALE

246094



Core Dimensions: 19" x 19 1/4" x 2 1/2"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/11 1/2" CTRS Oil Cooler

MCFA/MITSUBISHI/CATERPILLAR 246103



Core Dimensions: 14 1/4" x 19 1/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 1 5/8"
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-2

MCFA/MITSUBISHI/CATERPILLAR 246104



Core Dimensions: 14 1/4" x 19 1/4" x 2 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 8 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-2

MCFA/MITSUBISHI/CATERPILLAR 246106



Core Dimensions: 14 1/4" x 19 1/2" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 4 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-2

MCFA/MITSUBISHI/CATERPILLAR 246107



Core Dimensions: 14 1/4" x 19 1/2" x 2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 1 5/8"
Notes: w/ 7/16" Barbed fittings Oil Cooler **Radiator Cap:** RW0021-2

MCFA/MITSUBISHI/CATERPILLAR 246108



Core Dimensions: 14 1/4" x 19 3/8" x 2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/9" CTRS Oil Cooler **Radiator Cap:** RW0021-2

RADIATOR ILLUSTRATIONS

MCFA/MITSUBISHI/CATERPILLAR 246109



Core Dimensions: 14 1/4" x 19 1/4" x 2 7/8"
Inlet: 1 1/4" **Outlet:** 1 1/4"
FPI: 4 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/8" CTRS Oil Cooler

MCFA/MITSUBISHI/CATERPILLAR 246110



Core Dimensions: 14 3/4" x 19 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-2

MCFA/MITSUBISHI/CATERPILLAR 246111

Core Dimensions:
 19 3/4" x 23" x 3 1/2"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 7 Flat Fin
Filler Neck ID: 3/4"
Radiator Cap:
 RW0021-3
Notes: w/15 1/4"
 CTRS Oil Cooler



NISSAN

246112



Core Dimensions: 14 1/2" x 19 1/4" x 1 15/16"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/9 3/4" CTRS Oil Cooler **Radiator Cap:** RW0021-6

NISSAN

246113



Core Dimensions: 14 1/2" x 19 1/4" x 1 15/16"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8 mm barbed fittings oil cooler **Radiator Cap:** RW0021-6

NISSAN

246114



Core Dimensions:
 14 1/2" x 19 1/4" x 1 15/16"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 12 Serpentine
Filler Neck ID: 32 mm
Radiator Cap:
 RW0021-6
Notes: w/12 mm
 barbed fittings on
 oil cooler

RADIATOR ILLUSTRATIONS

NISSAN 246115

Core Dimensions:
 16 5/8" x 19 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 11 Serpentine
Filler Neck ID: 32 mm
Notes: w/ 1/2" Tube
 Oil Cooler



NISSAN 246116

Core Dimensions:
 16 5/8" x 19 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 12 Serpentine
Filler Neck ID: 32 mm
Radiator Cap:
 RW0021-6
Notes: w/11" CTRS
 Oil Cooler, w/ 1/2" fittings



NISSAN 246117

Core Dimensions:
 14 1/2" x 19 1/4" x 1 15/16"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 12 Serpentine
Filler Neck ID: 32 mm
Radiator Cap:
 RW0021-6
Notes: w/9 3/4" CTRS
 Oil Cooler



NISSAN 246118

Core Dimensions:
 16 1/2" x 19 1/4" x 2 1/2"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 12 Serpentine
Filler Neck ID: 32 mm
Radiator Cap:
 RW0021-6
Notes: w/11"
 CTRS Oil Cooler



NISSAN 246119

Core Dimensions:
 16 1/2" x 19 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm)
Outlet: 1 5/16" (34 mm)
FPI: 12 Serpentine
Filler Neck ID: 32 mm
Radiator Cap:
 RW0021-6
Notes: w/11"
 CTRS Oil Cooler



NISSAN 246120

Core Dimensions:
 17 1/2" x 23" x 2 5/8"
Inlet: 1 3/4"
Outlet: 1 3/4"
FPI: 14 Serpentine
Filler Neck ID: 1 5/8"
Radiator Cap:
 RW0021-3
Notes: w/ 10" CTRS
 Oil Cooler on
 bottom of outlet
 tank, M20X 1.5
 metric fittings



RADIATOR ILLUSTRATIONS

NISSAN

246121

Core Dimensions:

14 1/2" x 19 1/4" x 2"

Inlet: 1 5/16" (34 mm)

Outlet: 1 5/16" (34 mm)

FPI: 12 Serpentine

Filler Neck ID: 32 mm

Radiator Cap:

RW0021-6

Notes: Non

Louvered fin design,

w/10" CTRS Oil

Cooler



HYSTER/YALE

246123



Core Dimensions: 19" x 17 1/4" x 2 3/8"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 8 Flat Fin

Filler Neck ID: 32 mm

Notes: w/12" CTRS Oil Cooler, For serpentine style core use 246122, OE Aluminum w/plastic tanks use 246295.

HYSTER/YALE

246125



Core Dimensions: 19" x 17 1/4" x 2 1/16"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 8 Flat Fin

Filler Neck ID: 32 mm

Notes: w/12" CTRS Oil Cooler, For serpentine style core use 246124, OE Aluminum w/plastic tanks use 246305.

TOYOTA

246128



Core Dimensions: 17 5/8" x 17 3/4" x 1 7/8"

Inlet: 1 5/16" (34 mm)

Outlet: 1 5/16" (34 mm)

FPI: 12 Serpentine

Filler Neck ID: 32 mm

Radiator Cap: RW0021-6

Notes: w/10 3/4" CRTS Oil Cooler, 10 plate. Feedlot style core use 246012, Copper core w/plastic tank use 246298.

TOYOTA/MANITOU

246130



Core Dimensions: 19 3/4" x 17" x 1 7/8"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 6 Flat Fin

Filler Neck: 32 mm

Notes: Non Louvered fin design, w/Oil Cooler, For serpentine style core use 246129, OE aluminum w/plastic tanks use 246075.

NISSAN

246137

Core Dimensions:

16 1/2" x 19 1/4" x 2 5/8"

Inlet: 1 1/4"

Outlet: 1 1/4"

FPI: 11 Serpentine

Filler Neck ID: 32 mm

Notes:

w/ 3/8" Tubular Oil Cooler, 12" Centers



RADIATOR ILLUSTRATIONS

KOMATSU

246139



Core Dimensions: 15 3/4" x 16 7/8" x 2 1/2"
Inlet: 1 1/4" **Outlet:** 1 1/4"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm **Notes:** w/o Oil Cooler

NISSAN

246145



Core Dimensions:
 14 5/8" x 19 1/2" x 2"
Inlet: 1 3/8"
Outlet: 1 3/8"
FPI: 13 Serpentine
Filler Neck ID:
 32mm
Notes:
 w/o Oil Cooler

TOYOTA

246152



Core Dimensions: 17" x 17" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 32 mm **Rad. Cap:** RW0021-6
Notes: w/11" CTRS Oil Cooler, 7/16" Barbed fittings

TOYOTA

246157



Core Dimensions: 19 3/4" x 17" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-6

TOYOTA

246158



Core Dimensions: 19 3/4" x 19 1/4" x 2 5/8"
Inlet: 1 1/4" **Outlet:** 1 1/4" **FPI:** 12 Serpentine
Filler Neck ID: 32 mm **Radiator Cap:** RW0021-6
Notes: w/11" CTRS Oil Cooler with 1/2" inverted flare fittings

TOYOTA

246161



Core Dimensions: 19 5/8" x 19" x 2 1/2"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 8 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8 5/8" CTRS Oil Cooler, 12 mm Fittings

RADIATOR ILLUSTRATIONS

MITSUBISHI

246176



Core Dimensions: 14 1/4" x 19 1/4" x 2 1/2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Flat Fin
Notes: w/7 1/8" CTRS Oil Cooler, 12 mm Fittings

MCFA/MITSUBISHI/CATERPILLAR 246177



Core Dimensions: 15" x 19 1/4" x 2"
Inlet: 1 1/4" **Outlet:** 1 1/4" **Rows:** 3
FPI: 7 Flat Fin **Filler Neck ID:** 1 5/8"
Notes: w/8" CTRS Oil Cooler **Rad. Cap:** RW0021-2

TCM

246188



Core Dimensions: 17 3/4" x 16 3/4" x 2 1/2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/9 3/4" CTRS Oil Cooler, w/Shroud

TCM

246192



Core Dimensions: 19 3/4" x 16 1/2" x 2 1/2"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 7 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/Oil Cooler, 3/8" Barb fittings **Radiator Cap:** RW0021-6

TOYOTA

246209



Core Dimensions: 19 3/4" x 16 7/8" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm **Rad. Cap:** RW0021-6
Notes: w/11" CTRS Oil Cooler, w/8 plates, For serpentine style core use 246129, With feedlot style core use 246130

HYSTER/YALE

246213



Core Dimensions: 17 5/8" x 17" x 2 5/8"
Inlet: 1 1/2" **Outlet:** 1 1/2"
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/Oil Cooler.

RADIATOR ILLUSTRATIONS

HYSTER/YALE

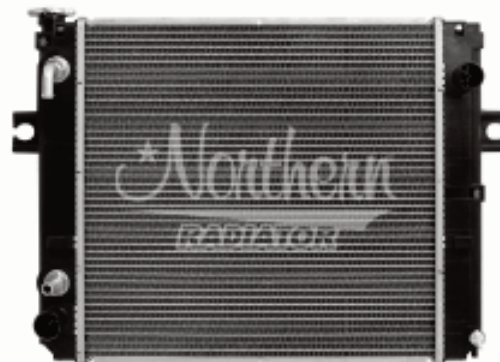
246215



Core Dimensions: 15 ⁷/₈" x 16 ³/₄" x 2"
Inlet: 1 ³/₈" **Outlet:** 1 ³/₈"
FPI: 9 Serpentine **Filler Neck ID:** 32 mm
Notes: w/9 ³/₄" CTRS Oil Cooler, 12mm Fittings

TCM

246217



Core Dimensions: 17 ⁵/₈" x 16 ³/₄" x 1 ⁷/₁₆"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler **Radiator Cap:** RW0021-6

KOMATSU

246220



Core Dimensions: 19 ³/₄" x 16 ¹⁵/₁₆" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler **Radiator Cap:** RW0021-6

KOMATSU

246221



Core Dimensions: 21 ⁵/₈" x 20 ³/₄" x 2 ¹/₄"
Inlet: 1 ³/₄" **Outlet:** 1 ³/₄"
FPI: 13 Serpentine **Filler Neck ID:** 32 mm
Notes: w/2 Oil Coolers, 10 ³/₄" Centers & 15 ³/₈" Centers.

KOMATSU

246225



Core Dimensions: 20 ⁵/₈" x 17 ³/₄" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 32 mm
Notes: w/8" CTRS Oil Cooler

KOMATSU

246227



Core Dimensions: 20 ⁵/₈" x 17 ⁵/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler on grill side

RADIATOR ILLUSTRATIONS

RADIATOR ILLUSTRATIONS

MCFA/MITSUBISHI 246235



Core Dimensions: 17 ⁵/₈" x 17 ¹/₂" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler with ¹/₂" Cooler Fittings.

MCFA/MITSUBISHI/CATERPILLAR 246236



Core Dimensions: 17 ⁵/₈" x 17 ¹/₂" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler with ¹/₂" Cooler Fittings.

MCFA/MITSUBISHI/CATERPILLAR 246239



Core Dimensions: 17 ⁵/₈" x 17 ⁵/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 5 Square Wave **Filler Neck ID:** 32 mm **Rad. Cap:** RW0021-6
Notes: w/10 ³/₄" CTRS Oil Cooler

MCFA/MITSUBISHI 246240



Core Dimensions: 15 ³/₄" x 17 ⁵/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler

TCM 246243



Core Dimensions: 17 ³/₄" x 17" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 6 Square Fin **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler, 5 Plates

TOYOTA 246248



Core Dimensions: 19 ³/₄" x 17" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler, 10 Plates, For SNL Style core use 246129, Feedlot style core use 246130

RADIATOR ILLUSTRATIONS

TOYOTA 246249



Core Dimensions: 17 3/4" x 17 3/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler, 10 Plate

TOYOTA 246250



Core Dimensions: 17 3/4" x 17 3/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler, 5 Plate

NISSAN 246259



Core Dimensions: 16 3/4" x 17 5/8" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 **Filler Neck ID:** 32 mm
Notes: w/, 11" CTRS Oil Cooler with 1/2" Fittings

NISSAN 246260



Core Dimensions: 17 3/4" x 17 3/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler with 1/2" Fittings

NISSAN 246261



Core Dimensions: 17 3/4" x 17 5/8" x 1 3/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler with 1/2" Fittings

NISSAN 246262



Core Dimensions: 17 3/4" x 17 5/8" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler with 1/2" Fittings

RADIATOR ILLUSTRATIONS

NISSAN

246263



Core Dimensions: 17 ³/₄" x 17 ⁵/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 7 Square Fin **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler with ¹/₂" Fittings, With straight top fittings use 246264

NISSAN

246264



Core Dimensions: 17 ³/₄" x 17 ⁵/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 7 Square Fin **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler with ¹/₂" Fittings, For 90° top fitting use 236363

YALE

246268



Core Dimensions: 18 ⁵/₈" x 17 ³/₄" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 **Filler Neck ID:** 32 mm
Notes: w/10 ³/₄" CTRS Oil Cooler

HYSTER/YALE

246269



Core Dimensions: 17 ³/₄" x 16 ⁷/₈" x 1 ⁷/₈"
Inlet: 1 ⁵/₁₆" (34 mm) **Outlet:** 1 ⁵/₁₆" (34 mm)
FPI: 10 **Filler Neck ID:** 32 mm
Notes: w/10 ¹³/₁₆" CTRS Oil Cooler, 10 Plate, w/#10 ORFS type o-ring fittings.

HYSTER

246270

Core Dimensions:
 15 ³/₄" x 19 ¹/₂" x 4"
Inlet: 1 ¹/₂"
Outlet: 1 ³/₄"
FPI: 7 Flat Fin
Filler Neck ID: 1 ⁵/₈"
Notes: w/12" CTRS Oil Cooler inline tubes, w/ 8 Plates



TOWMOTOR

246271



Core Dimensions: 19 ¹/₂" x 17" x 5"
Inlet: 1 ³/₄" **Outlet:** 1 ¹/₂"
FPI: 6 **Filler Neck ID:** 1 ⁵/₈"
Notes: w/10" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

TOWMOTOR

246272

Core Dimensions:
15 3/4" x 16 3/8" x 2 3/4"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 7
Filler Neck ID: 2 3/16"
Notes: w/14 1/2" CTRS
Oil Cooler with 1/2" - 14
NPT fittings



TOWMOTOR

246273

Core Dimensions:
16 5/8" x 18 1/8" x 2 7/8"
Inlet: 1 1/2"
Outlet: 1 1/2"
Rows: 5
FPI: 7
Filler Neck ID: 2 3/16"



HYSTER

246274

Core Dimensions:
17 1/2" x 17 3/4" x 3 1/2"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 7
Filler Neck ID: 1 5/8"
Notes: w/14" CTRS
Oil Cooler with 3/8"
NPT fittings



HYSTER

246275

Core Dimensions:
15 3/4" x 17 7/8" x 5 1/4"
Inlet: 1 1/2"
Outlet: 1 3/4"
FPI: 9
Filler Neck ID: 1 5/8"
Notes: w/Oil Cooler



HYSTER

246276

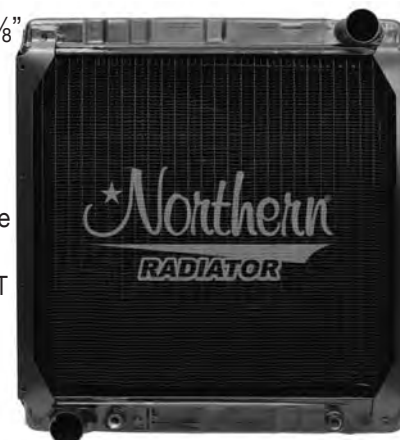
Core Dimensions:
13 7/8" x 17 1/4" x 3"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 6 Flat Fin
Rows: 4
Filler Neck ID: None
Notes: w/10" CTRS
Oil Cooler, For off-set
to grill side core use
246278



HYSTER

246277

Core Dimensions:
15 3/4" x 17 5/8" x 2 7/8"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 7
Rows: 4
Filler Neck ID: None
Notes: w/10" CTRS
Oil Cooler with 1/4" NPT
cooler fittings



RADIATOR ILLUSTRATIONS

HYSTER

246278

Core Dimensions:
14" x 17 5/8" x 2 7/8"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 6 Flat Fin

Rows: 4

Filler Neck ID: None

Notes: w/10" CTRS Oil Cooler, 1/4 - 18 NPT female cooler fittings, For off-set to engine side core use 246276



HYSTER

246279

Core Dimensions:
17 1/2" x 18" x 3 1/2"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 8

Rows: 5

Filler Neck ID: 1 5/8"

Notes: w/13 3/4" CTRS Oil Cooler, 3/8" NPTF cooler fittings



HYSTER

246280

Core Dimensions:
17 1/2" x 18" x 3 1/2"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 8

Rows: 5

Filler Neck ID: 1 5/8"

Notes: w/13 3/4" CTRS Oil Cooler, 3/8" NPTF cooler fittings.



HYSTER

246281

Core Dimensions:
17 3/4" x 17 7/8" x 5 1/4"

Inlet: 1 1/2"

Outlet: 1 3/4"

FPI: 9

Rows: 7 Canted Tubes

Filler Neck ID: 1 5/8"

Notes: w/12" CTRS Oil Cooler, 5/8"-UNF-28 inverted flare



CLARK

246282

Core Dimensions:
17 7/8" x 23 9/16" x 2 3/4"

Inlet: 1 1/2"

Outlet: 1 1/2"

FPI: 9 Serpentine

Filler Neck ID: 1 5/8"

Notes: w/12" CTRS Oil Cooler on grill side



HYSTER/YALE

246290



Core Dimensions: 19 1/8" x 17 1/2" x 2 3/4"

Inlet: 1 3/8"

Outlet: 1 3/8"

FPI: 5 Flat Fin

Filler Neck ID: 32 mm

Notes: w/12" CTRS Oil Cooler, Vent on grill side of outlet tank

RADIATOR ILLUSTRATIONS

HYSTER/YALE

246295



Core Dimensions: 19" x 17 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/ 12" CTRS Oil Cooler, For feedlot style use 246123

HYSTER

246296



Core Dimensions: 17" x 22 3/4" x 2 3/4"
Inlet: 1 1/2" **Outlet:** 1 3/4"
FPI: 8 **Filler Neck ID:** 1 5/8" **Rows:** 3 of 3/4" inline tubes
Notes: w/15" CTRS Oil Cooler, 1/2" NPT Fittings

HYSTER

246297



Core Dimensions: 19 3/4" x 22" x 2 7/8"
Inlet: 1 1/2" **Outlet:** 1 5/8"
FPI: 8 Flat Fin **Filler Neck ID:** 1 5/8" **Rows:** 3
Notes: w/12" CTRS Oil Cooler

TOYOTA/MANITOU

246298



Core Dimensions: 17 5/8" x 17 3/4" x 1 9/16"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 12 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler, 10" Plate, Copper w/plastic tanks.
 For Serpentine style core use 246011, Feedlot style core use 246012,
 OE Aluminum w/plastic use 246128

HYSTER/YALE

246299



Core Dimensions: 19 1/8" x 17 1/2" x 2 3/4"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 5 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/12" CTRS Oil Cooler, 3/8" NPT, Vent on grill
 side of outlet tank.

HOBART AIRPORT

246300

Core Dimensions:
 18 1/8" x 19 11/16" x 2 1/16"
Inlet: 1 5/8"
Outlet: 1 5/8"
Notes:
 w/6" CTRS Oil Cooler



RADIATOR ILLUSTRATIONS

HYSTER/YALE

246305



Core Dimensions: 19" x 17 1/4" x 2 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 10 Serpentine **Filler Neck ID:** 32 mm
Notes: w/12" CTRS Oil Cooler, For serpentine (SNL) style core use 246124

TOYOTA

246306



Core Dimensions: 17" x 16 3/4" x 1 5/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 14 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 7/8" CTRS Oil Cooler

HYSTER/YALE

246307



Core Dimensions: 18 7/8" x 11 5/8" x 3 1/8"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 8 Square Wave **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler, For flat fin (Cotton) style core use 246309

YALE

246308



Core Dimensions: 18 7/8" x 11 5/8" x 3 1/8"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 8 Square Wave **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler, For flat fin (Cotton) core use 246310

HYSTER/YALE

246309



Core Dimensions: 18 7/8" x 11 13/16" x 4 1/16"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler, For square wave core use 246307

HYSTER/YALE

246310



Core Dimensions: 18 7/8" x 11 13/16" x 4 1/16"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 6 Flat Fin **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler, For square wave style core use 246308

RADIATOR ILLUSTRATIONS

NISSAN

246312



Core Dimensions: 16 3/4" x 17 3/4" x 1 7/8"
Inlet: 1 5/16" (34 mm) **Outlet:** 1 5/16" (34 mm)
FPI: 13 Serpentine **Filler Neck ID:** 32 mm
Notes: w/10 13/16" CTRS Oil Cooler, 6 Plate

MITSUBISHI/CATERPILLAR 246313



Core Dimensions: 18 5/8" x 21" x 2 1/4"
Inlet: 1 3/4" **Outlet:** 1 3/4" **FPI:** Serpentine **Filler Neck ID:** 32 mm
Notes: w/15 3/8" CTRS Oil Cooler, Non-Louvered & Clog resistant serpentine style core, Re-use OEM side panels, For flat fin core style use 246314

TOYOTA

246315



Core Dimensions: 21 3/4" x 21 1/4"
Inlet: 1 1/2" **Outlet:** 1 3/4"
FPI: Serpentine
Notes: w/Oil Coolers, 10 3/8" and 7 7/8" Centers, Non-Louvered & Clog resistant serpentine style core

HYSTER/YALE

246316



Core Dimensions: 19 5/8" x 23" x 3"
Inlet: 1 7/16"
Outlet: 1 3/4"
FPI: 11 Serpentine
Notes: w/12" CTRS Oil Cooler

TOYOTA

246317



Core Dimensions: 19 3/4" x 16 7/8" x 1 7/8"
Inlet: 34mm (1 5/16") **Outlet:** 34mm (1 5/16")
FPI: 6 Square Wave **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler

HYSTER

246318



Core Dimensions: 17" x 22 1/4" x 3"
Inlet: 1 1/2" **Outlet:** 1 3/4"
FPI: 8 Square Wave **Filler Neck ID:** 1 5/8"
Notes: w/12" CTRS Oil Cooler

RADIATOR ILLUSTRATIONS

TAI-LIFT/WORLD-LIFT 246319



Core Dimensions: 19 3/4" x 16 1/2" x 1 5/8"
Inlet: 34mm (1 5/16") **Outlet:** 34mm (1 5/16")
FPI: 11 Serpentine **Filler Neck ID:** 32 mm
Notes: w/o Oil Cooler

TOYOTA 246322



Core Dimensions: 17 5/8" x 17 3/4" x 1 7/8"
Inlet: 34mm (1 5/16") **Outlet:** 34mm (1 5/16")
FPI: 6 Square Wave **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler, 10 Plate, Use lower mount bracket form oe radiator, Use Radiator Cap RW0021-6, For serpentine fin use 246128

MCFA/MITSUBISHI 246323



Core Dimensions: 17 5/8" x 17 1/2" x 1 7/8"
Inlet: 34mm (1 5/16") **Outlet:** 34mm (1 5/16")
FPI: 6 Square Wave **Filler Neck ID:** 32 mm
Notes: w/10 3/4" CTRS Oil Cooler with 1/2" fittings, For serpentine fin use 246235

HYSTER 246324



Core Dimensions: 18 3/4" x 17 3/16" x 2 1/4"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: Serpentine **Filler Neck ID:** 32 mm
Notes: w/11" CTRS Oil Cooler

TOYOTA 246325

Core Dimensions: 19 3/4" x 16 7/8" x 1 7/8"
Inlet: 1 3/8" **Outlet:** 1 3/8"
FPI: 6 Square Wave
Notes: w/10 Plate, 10 3/4" CTRS Oil Cooler.

LINCOLN 249748

Core Dimensions:
 19 1/8" x 19 1/4" x 1 1/4"
Inlet: 1 1/2"
Outlet: 1 1/2"
FPI: 14
Radiator Cap:
 RW0021-14
Notes: w/o Oil Cooler,
 Includes 2 bottom
 mounting pegs
 13 3/4" CTRS to CTRS



RADIATOR ILLUSTRATIONS

FORD/NEW HOLLAND 249886

Core Dimensions:
17 ⁷/₈" x 18 ³/₄" x 2 ¹/₄"
Inlet: 1 ¹/₂"
Outlet: 1 ⁵/₁₆"
FPI: 6
Notes: w/o Oil Cooler,
Has keyhole side
channel mounting



LINCOLN 249971

Core Dimensions:
21 ¹/₂" x 20" x 1 ⁹/₁₆"
Inlet: 1 ¹/₂"
Outlet: 1 ¹/₂"
FPI: 12
Notes: w/o Oil Cooler



CHARGE AIR COOLER ILLUSTRATIONS

CASE/ NEW HOLLAND 222282

CASE/ NEW HOLLAND 222283



Core Dimensions:
25 1/2" x 23 7/16" x 2 5/8"

Inlet: 3"

Outlet: 3"



Core Dimensions:
14 3/4" x 17 7/8" x 2 3/4"

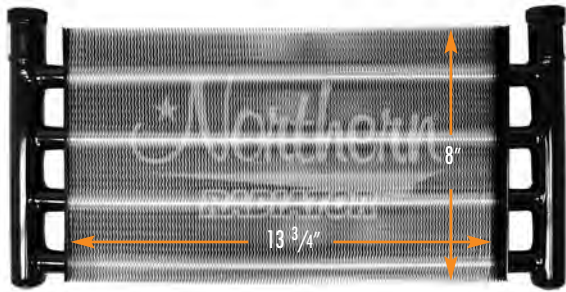
Inlet: 2 1/2"

Outlet: 2 1/2"

CHARGE AIR COOLER ILLUSTRATIONS

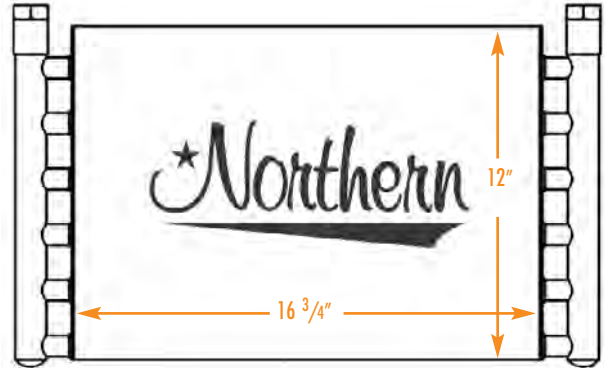
OIL COOLER ILLUSTRATIONS

191233



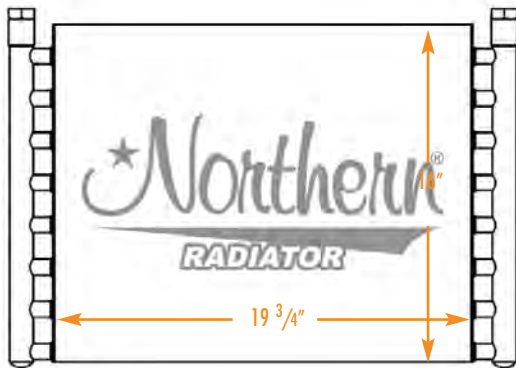
OVERALL DIMENSIONS: 18" x 9" x 1 1/2"
Rows: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass
MTG KIT (QTY): 195151 (2)

191234



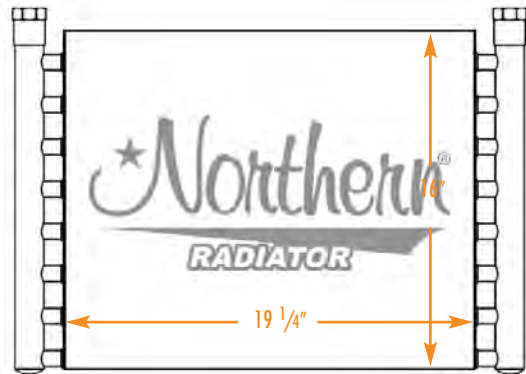
OVERALL DIMENSIONS: 21" x 13" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (2)

191236



OVERALL DIMENSIONS: 24" x 17" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (3)

191237



OVERALL DIMENSIONS: 24" x 17 5/16" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (3)

191238



OVERALL DIMENSIONS: 18" x 7" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (2 Included)

191240

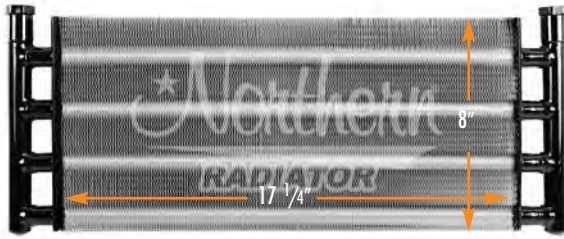


OVERALL DIMENSIONS: 18" x 7" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 1/2" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (2 Included)

OIL COOLER ILLUSTRATIONS

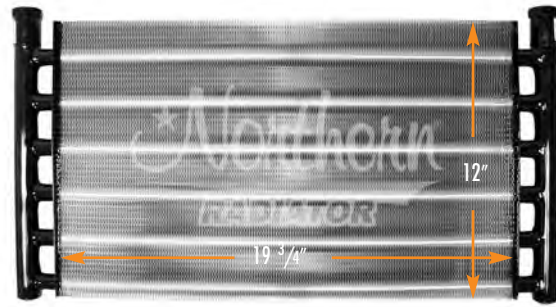
OIL COOLER ILLUSTRATIONS

191241



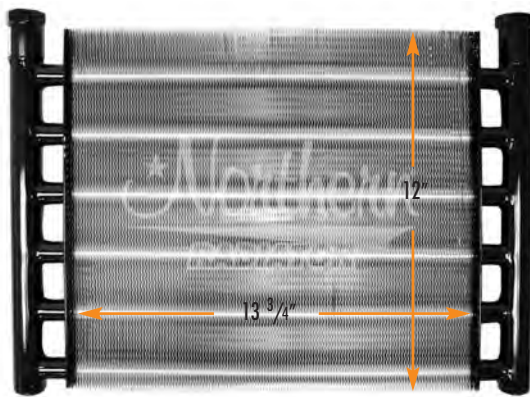
OVERALL DIMENSIONS: 21" x 9" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 1/2" Female
PASS: Single Pass
MTG KIT (QTY): 195151 (2)

191260



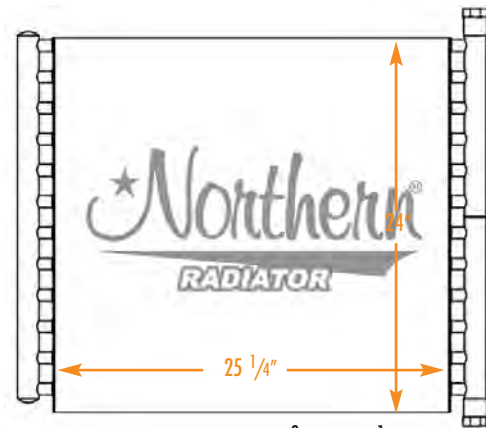
OVERALL DIMENSIONS: 24" x 13" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass
MTG KIT (QTY): 195151 (2)

191268



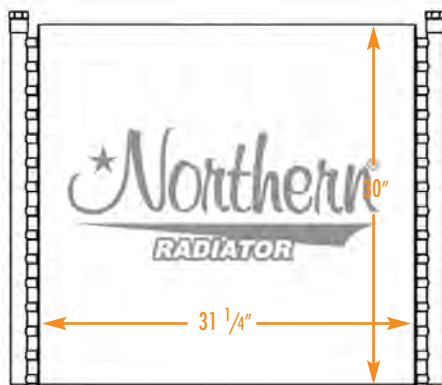
OVERALL DIMENSIONS: 18" x 13" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (2)

191271



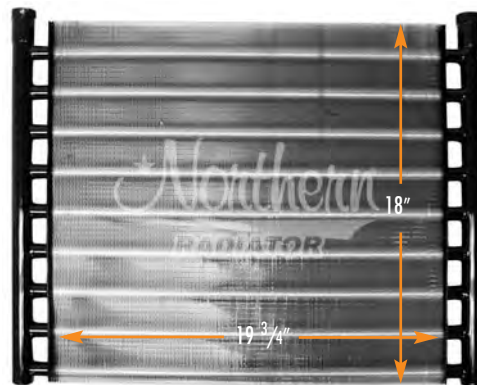
OVERALL DIMENSIONS: 30" x 26 3/4" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Double Pass **MTG KIT (QTY):** 195151 (4)

191272



OVERALL DIMENSIONS: 36" x 31 5/16" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (4)

191290

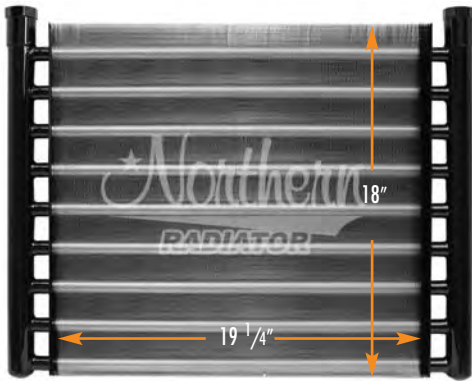


OVERALL DIMENSIONS: 24" x 19" x 1 1/2"
ROWS: 1 **FITTINGS NPT:** 3/4" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (3)

OIL COOLER ILLUSTRATIONS

OIL COOLER ILLUSTRATIONS

191291



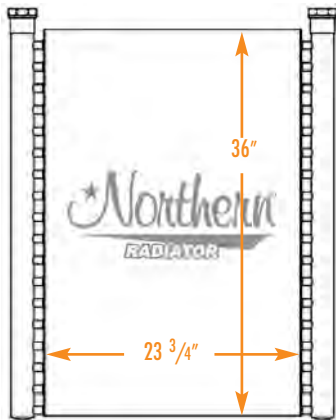
OVERALL DIMENSIONS: 24" x 19 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (3)

191292



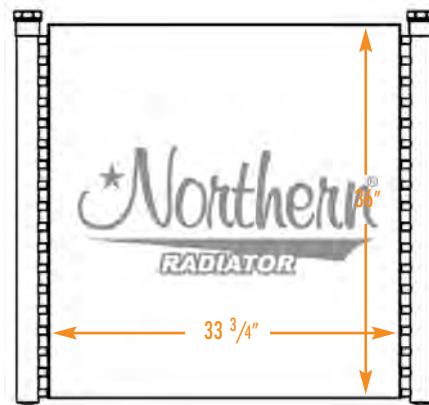
OVERALL DIMENSIONS: 24" x 25 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (4)

191297



OVERALL DIMENSIONS: 30" x 38 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 2" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (4)

191298



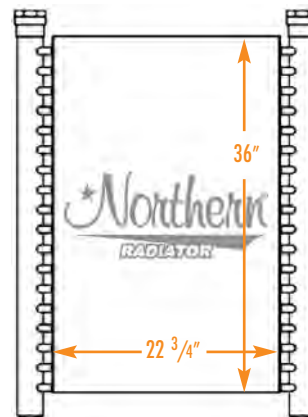
OVERALL DIMENSIONS: 40" x 37 ⁷/₈" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 2" Female
PASS: Single Pass

191299



OVERALL DIMENSIONS: 24" x 22 ³/₈" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** ³/₄" Female
PASS: Double Pass **MTG KIT (QTY):** 195151 (3)

192294

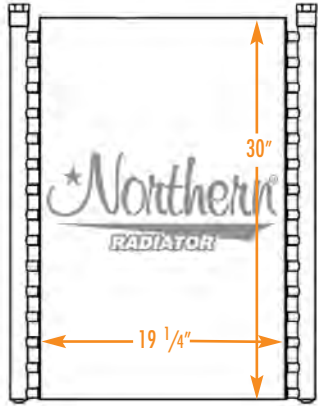


OVERALL DIMENSIONS: 30" x 41 ¹/₄" x 3"
ROWS: 2 **FITTINGS NPT:** 2" Female
PASS: Single Pass

OIL COOLER ILLUSTRATIONS

OIL COOLER ILLUSTRATIONS

192305



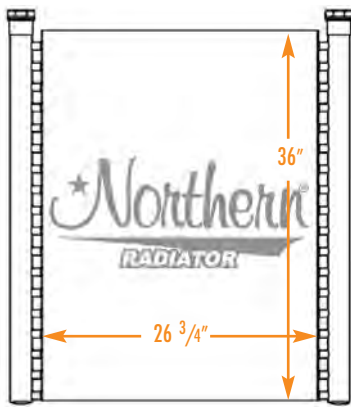
OVERALL DIMENSIONS: 24" x 31 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (4)

192306



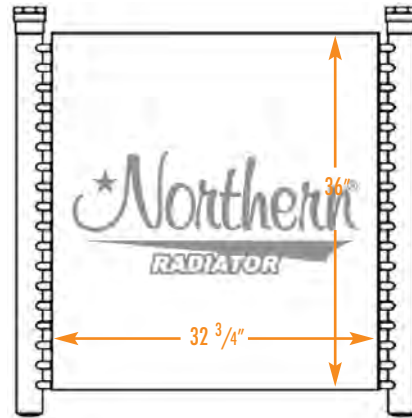
OVERALL DIMENSIONS: 30" x 31 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 1" Female
PASS: Single Pass **MTG KIT (QTY):** 195151 (4)

192307



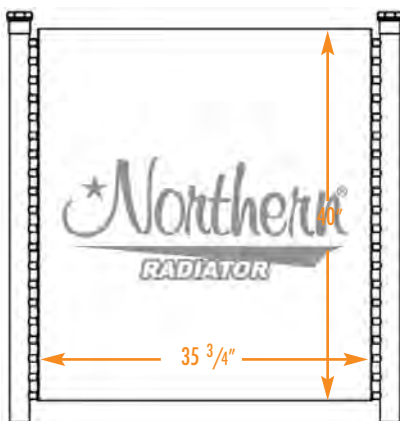
OVERALL DIMENSIONS: 33" x 38 ⁵/₁₆" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 2" Female
PASS: Single Pass

192308



OVERALL DIMENSIONS: 40" x 41 ¹/₄" x 3"
ROWS: 2 **FITTINGS NPT:** 2" Female
PASS: Single Pass

192312



OVERALL DIMENSIONS: 42" x 44 ³/₈" x 1 ¹/₂"
ROWS: 1 **FITTINGS NPT:** 2" Female
PASS: Single Pass

OIL COOLER ILLUSTRATIONS

INGERSOLL-RAND 190000

CORE:

18 1/2" x 14 13/16" x 2 1/4"

AFTER COOLER INLET:

3/4" BSPT

AFTER COOLER OUTLET:

3/4" BSPT

OIL COOLER INLET:

7/8" 14UN 2B

OIL COOLER OUTLET:

3/4" 16UN 2B

CFM: 54-60

KILOWATTS: 11

NOTES: Bar & Plate Design



INGERSOLL-RAND 190001

CORE: 18 1/2" x 14 13/16" x 2 1/4"

CFM: 65

AFTER COOLER INLET: 3/4" BSPT

OIL COOLER INLET: 7/8" 14UN 2B

AFTER COOLER OUTLET: 3/4" BSPT

OIL COOLER OUTLET:

3/4" 16UN 2B

KILOWATTS: 11

NOTES: Bar & Plate Design



INGERSOLL-RAND 190002

CORE:

15 15/16" x 20" x 2 1/4"

AFTER COOLER INLET:

1 5/16" 12UN 2B

AFTER COOLER OUTLET:

1" NPT

OIL COOLER INLET:

1 1/16" 12UN 2B

OIL COOLER OUTLET:

1 1/16" 12UN 2B

CFM: 57-85

KILOWATTS: 15

NOTES: Bar & Plate Design



ACCESSORIES

ADAPTER Z50650

3/4" to 1/2" adapter



OIL COOLER ADAPTERS

Adapts engine or transmission coolers to oil line fittings.

RW8046 3/4" NPT Male X #12 Female O-Ring - Pair

RW8047 3/4" NPT Male X 1 1/16" - 16 UNF O-Ring - Pair



RW8046



RW8047

Mount Kit 195151

New mounting hardware may be necessary to mount your replacement cooler. Please note the quantity of mounting hardware kits varies on each cooler and is listed in the dimensional look-up chart on page 36.



REPLACEMENT OIL COOLER FITTINGS

12MM Diameter tube w/M20 x 1.0MM Threads • Fits many plastic aluminum forklifts.



RW8037 45° Elbow



RW8038 Straight



RW8039 90° Elbow

HOSE CONNECTION PLUGS

Set of 2 Plugs. For use with 246001, 246002, 246008 Airport Tug Radiators that have four hose connections and require two to be plugged.

RW6001-1 2 Plug Set



ACCESSORIES

RADIATOR & COOLANT RECOVERY CAPS

Renews cooling system performance and protects against boilover and coolant loss.

DID YOU KNOW?

It is recommended that the radiator cap be replaced every time the coolant is changed, or when major cooling system work is performed, for example installing a new radiator.

People will religiously change oil, antifreeze and check tire pressure, but the single most important and ironically the least expensive component in your engine's cooling system is the Radiator Pressure Cap.

Old caps have hard seals and weak springs. Poor caps leak small amounts of air causing the system to become under filled which promotes overheating issues. Any additional air in the cooling system also promotes corrosion and causes early failure of radiators. Radiator Caps have a relatively short life of being accurate, they are cheap to replace and prevent significant problems, so replacing the cap regularly is important maintenance.



RW0021-1

Overall - H: 1 1/4" W: 2 21/64" PSI: 7 lbs.

For Radiator and Overflow Reservoir Systems; Fits 3/4" Deep Neck



RW0021-2

Overall - H: 1 1/4" W: 2 21/64" PSI: 13 lbs.

For Radiator and Overflow Reservoir Systems; Fits 3/4" Deep Neck



RW0021-3

Overall - H: 1 1/2" W: 2 39/64" PSI: 13 lbs.

For Radiator and Overflow Reservoir Systems; Fits 3/4" Deep Neck



RW0021-6

Overall - H: 1 1/16" W: 2 19/32" PSI: 13 lbs.

For Radiator and Overflow Reservoir Systems; Fits 32 MM I.D., 16 MM Deep Neck



RW0021-12

Overall - H: 1 1/4" W: 2 21/64" PSI: 16 lbs.

For Radiator and Overflow, Drop Type Vacuum Valve Reservoir Systems; Fits 3/4" Deep Neck



RW0021-14

Overall - H: 1 13/32" W: 2 21/64" PSI: 7 lbs.

Fits 1" Deep Neck



RW0021-15

Overall - H: 1 13/32" W: 2 21/64" PSI: 4 lbs.

Fits 1" Deep Neck



RW0021-22

Overall - H: 1 1/4" W: 2 21/64" PSI: 16 lbs.

For Radiator and Overflow Reservoir Systems; Fits 3/4" Deep Neck



RW0021-23

Overall - H: 1 1/16" W: 2 19/32" PSI: 16 lbs.

For Radiator and Overflow Reservoir Systems; Fits 32 MM I.D., 16 MM Deep Neck

ACCESSORIES

GM MOUNTING PAD KIT

Rubber pad that molds to radiator for exact fit. Cut to length.



Z16516 6 1/2" x 1" x 3/8" - 2 Pack

SQUARE RUBBER MOUNT PADS

Great for positioning mounting studs to prevent rubbing on radiator and creating holes or stress cracks.



RW0178-43 3" x 3 3/16" - 2 Pack

RADIATOR MOUNTING PADS

Universal rubber mount pads for any where.



Z21230 1 3/4" x 6 3/16" - 2 Pack

HEATER SEALING FOAM

Increase output and eliminate air leaks, with this special high density foam. It has a self adhesive back and is designed for pressurized air sealing. Available in 25' rolls or convenient 3' single use packs.

RW2300 3/4" Thick x 1 1/4" Wide x 25' Roll

RW2301 3/4" Thick x 1 1/4" Wide x 3' Long
(Single use pack for 1 heater core installation)



RADIATOR OVERFLOW TUBING

Designed specifically as radiator overflow tubing with greater flexibility and kink resistance than plastic tubing.

RW0041 5/16" I.D. x 1/16" wall x 100' Coil Black Rubber

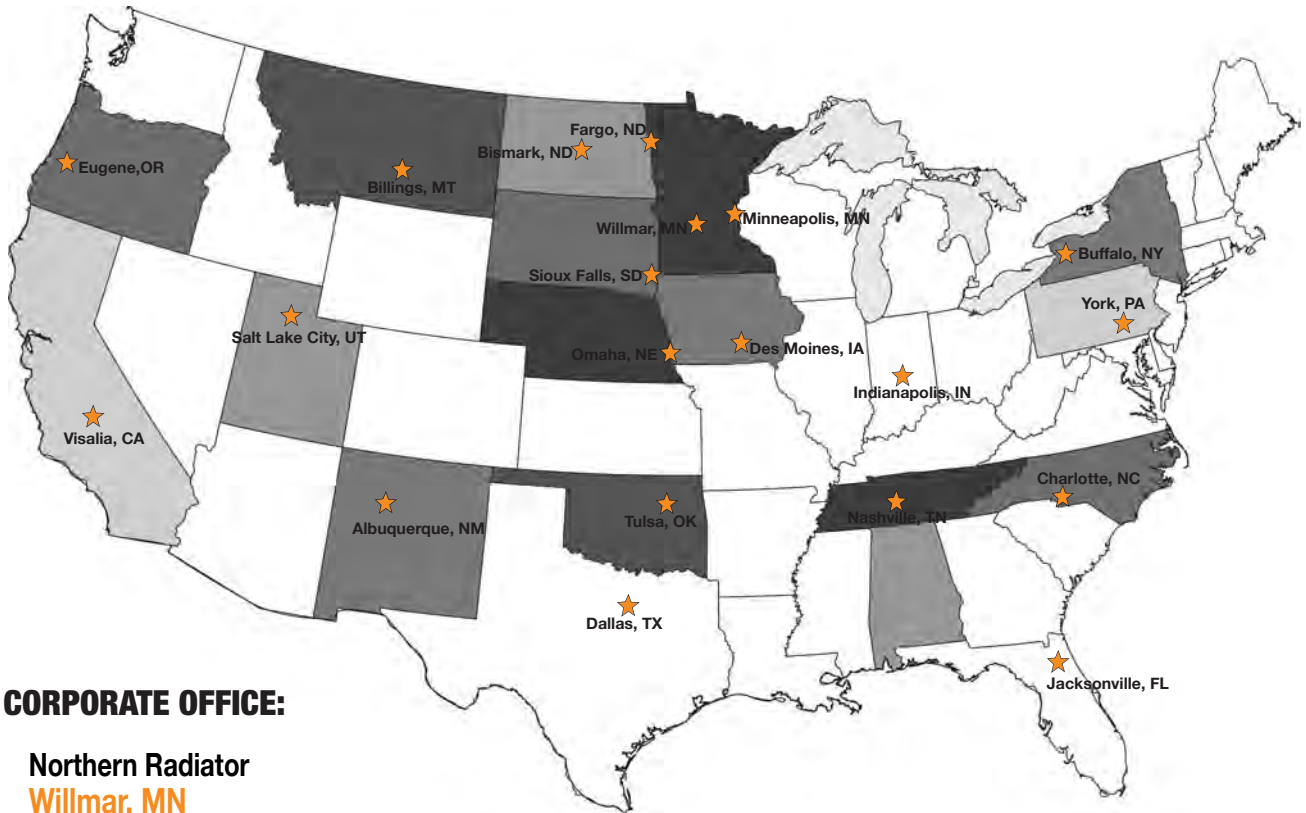
RW0042 7/16" I.D. x 1/16" wall x 100' Coil Black Rubber

RW0043 5/16" I.D. x .032" wall x 25' Copper





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