

Service Bulletin

Maintenance of Way Equipment

Date: 04.04.2023

RRP Service Bulletin No: RRP SB387

Title: Oil Cooler Suppressor Kit

Rating:



ALERT

(Potential Problem)



INFORMATION

(Action Is Optional)



DIRECTIVE

(Action Is Required)



PRODUCT IMPROVEMENT

(Enhance Product)

Product Series: Advanced Tie Plate Inserter [ATPI]

Serial No:

ATPI-014	932574	BNSF	X3800191
ATPI-015	932574	BNSF	X3800192
ATPI-016	932574	BNSF	X3800193
ATPI-017	932574	BNSF	X3800194

ATPI-045	932587	BNSF	X3800196
ATPI-046	932587	BNSF	X3800197
ATPI-047	932587	BNSF	X3800198
ATPI-048	932587	BNSF	X3800199
ATPI-049	932587	BNSF	X3800200
ATPI-050	932587	BNSF	X3800195
ATPI-063	932587	BNSF	X3800205
ATPI-064	932587	BNSF	X3088206

ATPI-019	935588	CN-W	CN43865
ATPI-020	935588	CN-W	CN43866
ATPI-030	935588	CN-W	CN43867
ATPI-031	935588	CN-W	CN43868
ATPI-042	935588	CN-W	CN43869
ATPI-043	935588	CN-W	CN43870

ATPI-009	935574	CN-W	438-61
ATPI-010	935574	CN-W	438-62

ATPI-021	945588	CN-S	CN43863
ATPI-022	945588	CN-S	CN43864
ATPI-051	945588	CN-S	CN43871
ATPI-052	945588	CN-S	CN43872

ATPI-008	933574	CP	5014-19	ATPI-036	933588	CP	5014-21
ATPI-032	933588	CP	7014-14	ATPI-037	933588	CP	5014-22
ATPI-033	933588	CP	5014-20	ATPI-038	933588	CP	5014-23

ATPI-002-17	915574	UPRR	RLPI-1701	ATPI-023	931588	UPRR	RLPI-1901
ATPI-003-17	915574	UPRR	RLPI-1702	ATPI-024	931588	UPRR	RLPI-1902
ATPI-004-17	915574	UPRR	RLPI-1703	ATPI-025	931588	UPRR	RLPI-1903
ATPI-005-17	915574	UPRR	RLPI-1704	ATPI-026	931588	UPRR	RLPI-1904
ATPI-006-17	915574	UPRR	RLPI-1705	ATPI-053	931588	UPRR	RLPI-2101
ATPI-007-17	915574	UPRR	RLPI-1706	ATPI-054	931588	UPRR	RLPI-2102
ATPI-011	915574	UPRR	RLPI-1801	ATPI-055	931588	UPRR	RLPI-2103
ATPI-012	915574	UPRR	RLPI-1802	ATPI-056	931588	UPRR	RLPI-2104
ATPI-013	915574	UPRR	RLPI-1803	ATPI-057	931588	UPRR	RLPI-2105
				ATPI-058	931588	UPRR	RLPI-2106
				ATPI-059	931588	UPRR	RLPI-2107
				ATPI-060	931588	UPRR	RLPI-2108
				ATPI-061	931588	UPRR	RLPI-2201
				ATPI-062	931588	UPRR	RLPI-2202

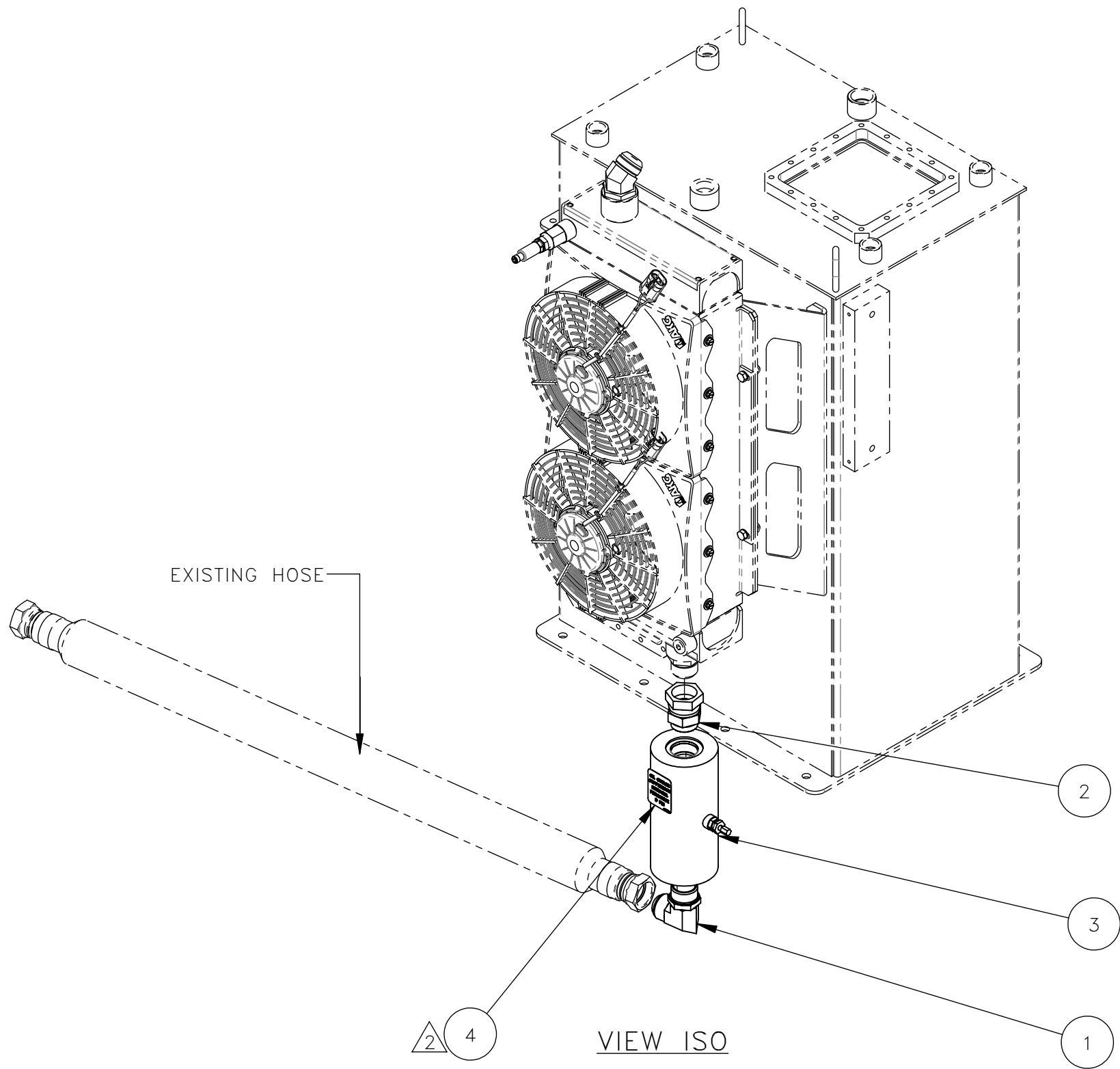
Summary:

The need for a surge suppressor in a hydraulic system results from the transient flow conditions transmitted when the flow of the hydraulic fluid in a pipe is suddenly changed, started, or stopped.

Plumbing or piping systems that use quick acting valves, or pumps which start or stop quickly, both create potential pressure transients, surges, or “spikes”. These conditions may result in piping failures or plumbing fatigue over time. In addition, these conditions may cause damage to pumps, fittings, instrumentation, and other system components.

Action: Install the 793133 Oil Cooler Suppressor Kit. See instructions and parts list on next page.

Completion / Resolution: Continue with normal machine operation after installing the 793133 Oil Cooler Suppressor Kit.



USED ON:

TIER 3:

TIER 4:

915574

930587

915575

931587

932574

931588

933574

932587

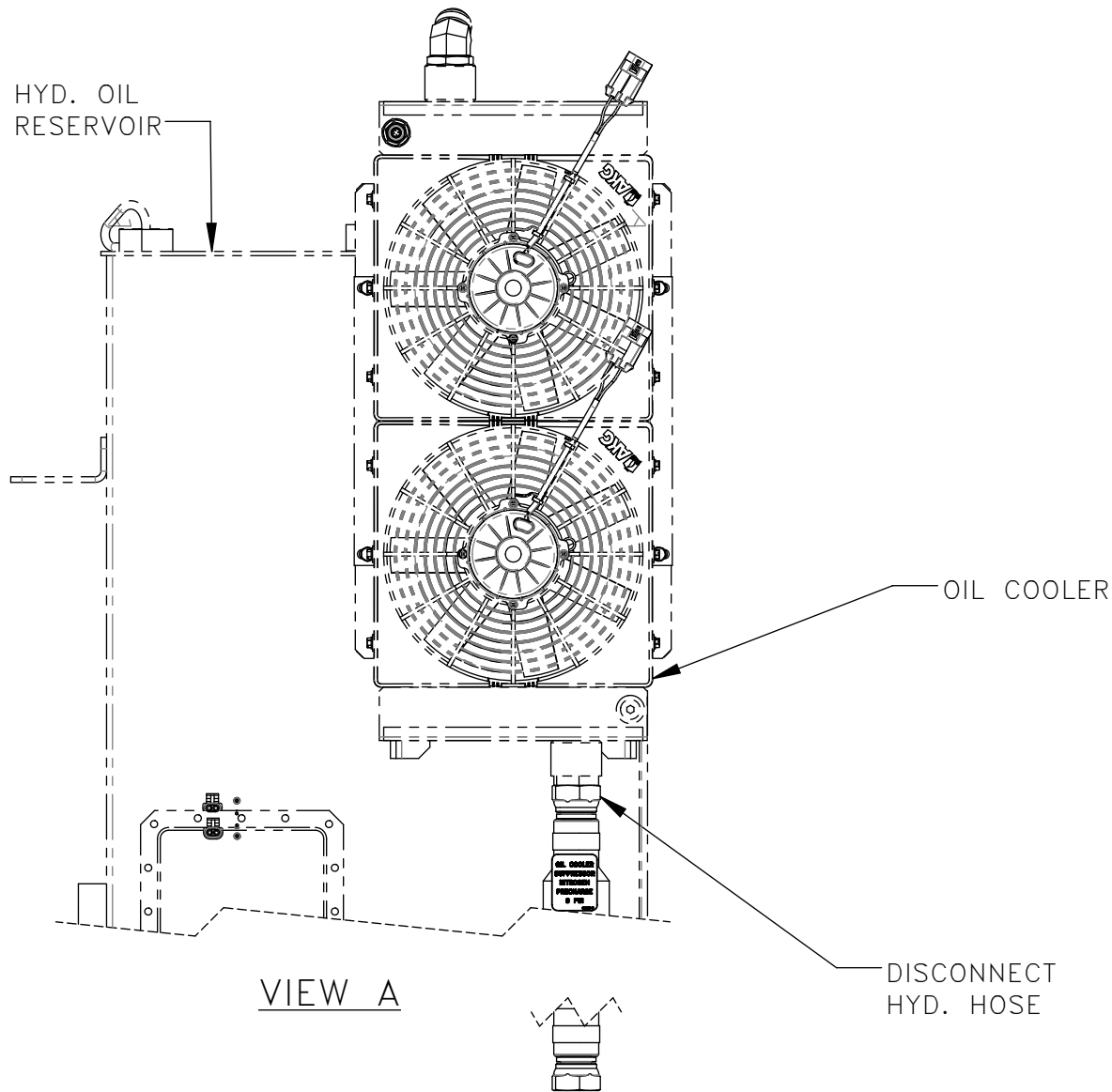
935574

935588/945588

NO.	QTY	DESCRIPTION	PART NO.
1	1	ELBOW, 90°: #20 JIC(M) X #20 SAE(M)	463396
2	1	ADAPTER, #20 JIC(F) X #20 SAE(M)	463549
3	1	SUPPRESSOR, HYDRAULIC	472292
4	1	DECAL, NITROGEN PRECHARGE 0 PSI	477018
5	1	INSTRUCTIONS, ATPI OIL COOLER SUPPRESSOR KIT	800379

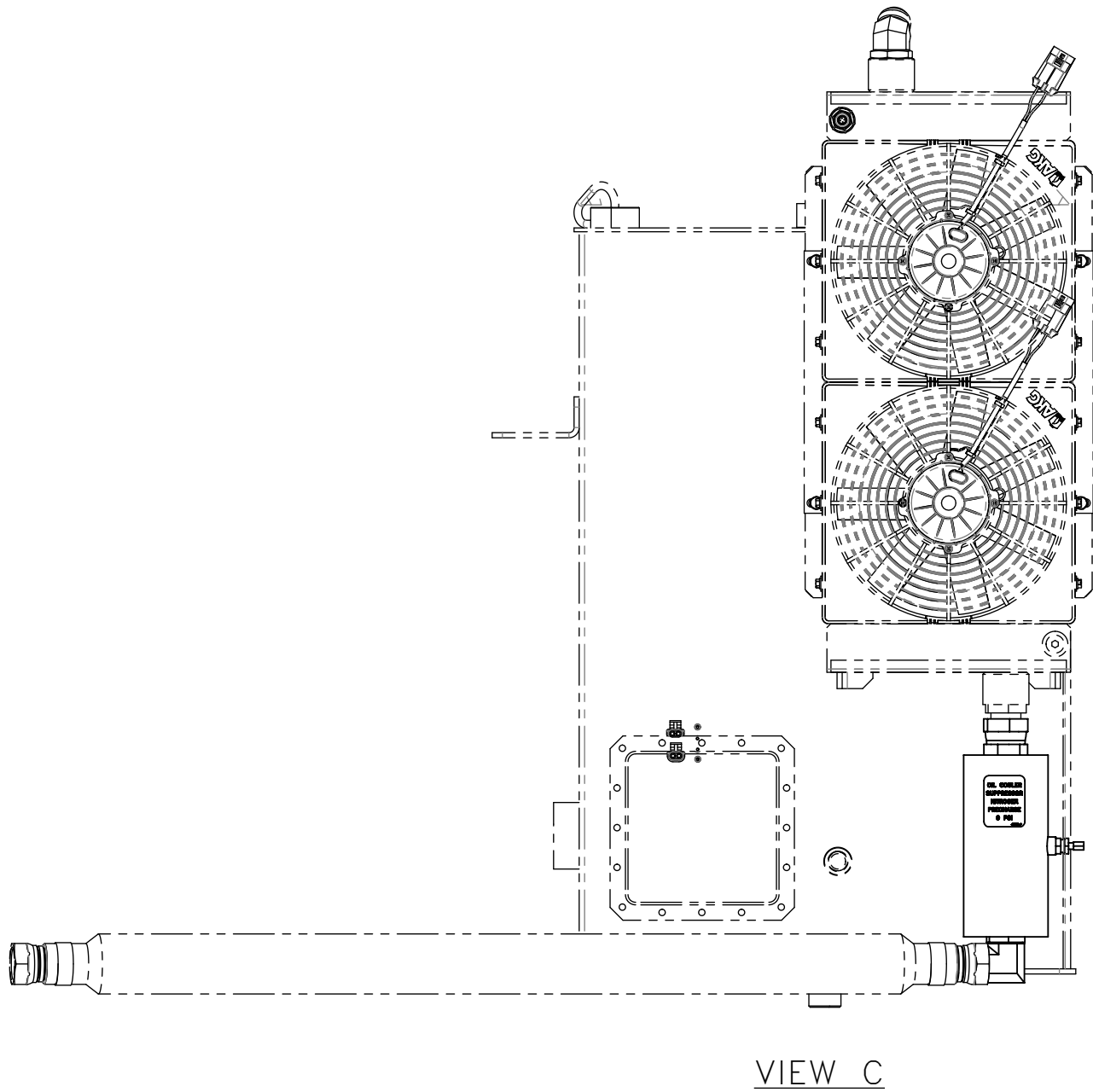
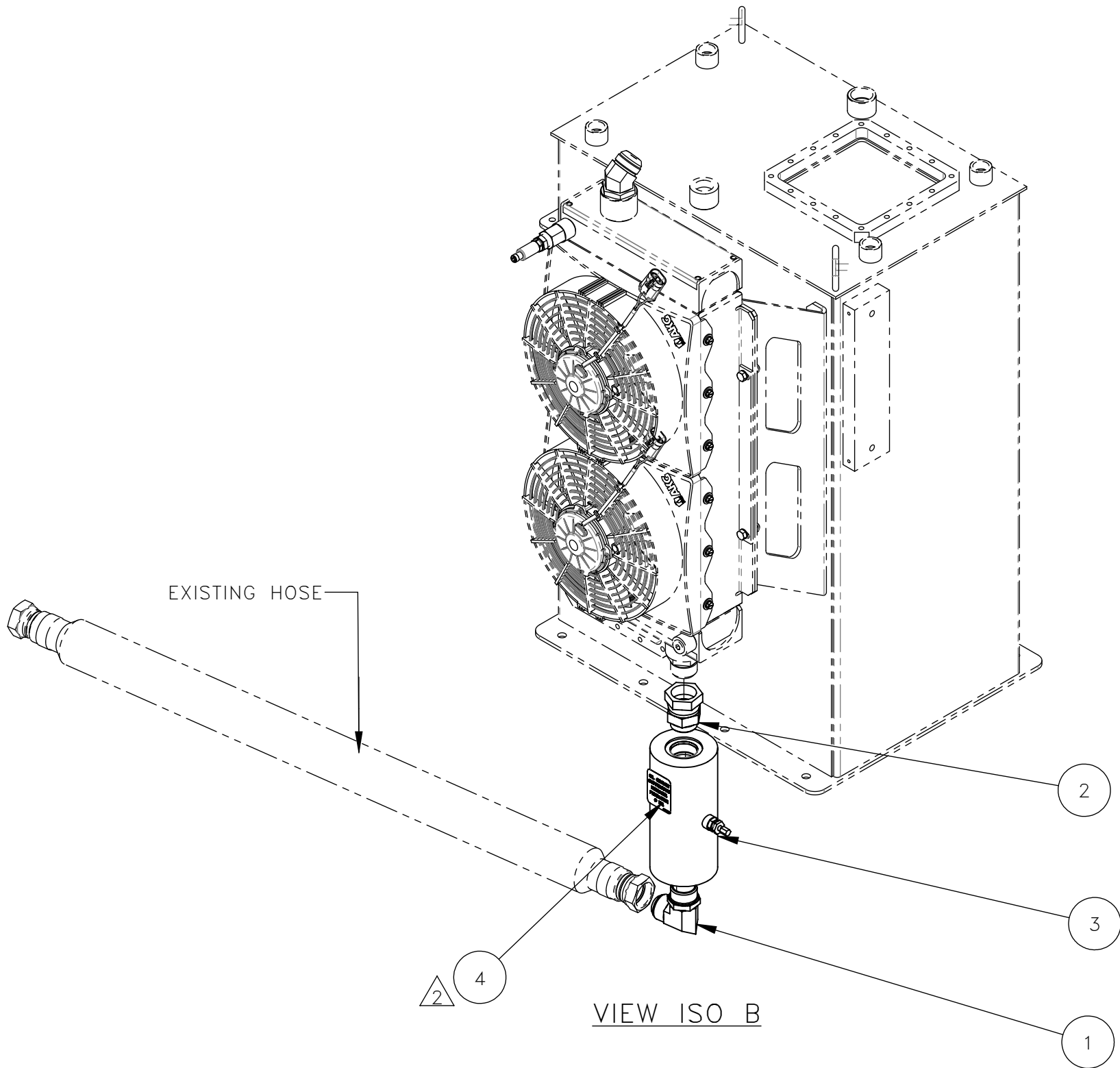
REV	EN	DESCRIPTION		DATE	DRN
1	6044	NEW RELEASE		1-22	PR
2	00096	ADD 477018(1)		4-23	PR
DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED					
LINEAR		.XX=±.03	.XXX=±.010		
ANGULAR		X°=±1°	X.X°=±.5°		
SURFACE FINISH NOT TO EXCEED		125/✓	SMOOTH ALL SHARP EDGES CLEAN ALL WELDS		
THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS					
<i>RACINE RAILROAD PRODUCTS</i> RACINE, WISCONSIN USA					
DESCRIPTION KIT, OIL COOLER SUPPRESSOR: ATPI					
MATERIAL SEE BOM					
USED ON SEE NOTE			SCALE 1:8	DATE 12-21-21	
DRN PR	CHK	APP	JOB NO RD150004	SHEET 1 OF 1	
DWG SIZE C		CATALOG K		DWG NO 793133	

QTY	NO.	DESCRIPTION	PART NO.
REF	1	ELBOW, 90°: #20 JIC(M) X #20 SAE(M)	463396
REF	2	ADAPTER, #20 JIC(F) X #20 SAE(M)	463549
REF	3	SUPPRESSOR, HYDRAULIC	472292
REF	4	DECAL, NITROGEN PRECHARGE 0 PSI	477018



THESE INSTRUCTIONS ARE FOR KIT 793133

- REMOVAL:
1. POWER OFF MACHINE AND TAG OUT BEFORE PERFORMING CONVERSION
 2. DISCONNECT HYD. HOSE FROM THE BOTTOM OF OIL COOLER (SEE VIEW A).
- INSTALLATION:
1. ADD ADAPTER, SUPPRESSOR AND ELBOW AS SHOWN (SEE ISO VIEW B).
 2. REATTACH HYD. HOSE TO ELBOW (SEE VIEW C).
 3. ADD DECAL TO THE SUPPRESSOR, PLACE TO BE SEEN. (SEE ISO VIEW B).



REV	EN	DESCRIPTION		DATE	DRN
1	6044	NEW RELEASE		1-22	PR
2	00096	SEE EN FOR DETAILS		4-23	PR
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LINEAR		.XX=±.03	.XXX=±.010		
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THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS					
<i>RACINE RAILROAD PRODUCTS</i>					
RACINE, WISCONSIN USA					
DESCRIPTION					
INSTRUCTIONS, ATP1 OIL COOLER SUPPRESSOR KIT					
MATERIAL					
SEE BOM					
USED ON			SCALE	DATE	
793133			1:8	12-21-21	
DRN	CHK	APP	JOB NO	SHEET	
PR			RD150003	1 OF 1	
DWG SIZE		CATALOG	DWG NO		
C		A	800379		