



PARTS CATALOG

LOADER BACKHOE

580 SUPER M SERIES 2

580 SUPER M+ SERIES 2



Photograph may show installation of optional equipment.

BD04A007

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All data given in this publication is subject to production variations. Dimensions and weights are only approximate. Illustrations do not necessarily show products in standard condition. For exact information about any particular product, please consult your Dealer

This unit first became available 02-2004			
REVISION HISTORY			
Issue	Issue Date	Applicable Machines	Remarks
First Edition	02-2004	580 SUPER M SERIES 2, 580 SUPER M+ SERIES 2	7-9040 NA
Revision 1	05-2004	580 SUPER M SERIES 2, 580 SUPER M+ SERIES 2	7-9041 NA
Revision 2	05-2005	580 SUPER M SERIES 2, 580 SUPER M+ SERIES 2	7-9042 NA
Revision 3	12-2006	580 SUPER M SERIES 2, 580 SUPER M+ SERIES 2	7-9043 NA

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NOTES

GENERAL INFORMATION

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Company policy, which is one of continuous improvement, reserves the right to change prices and to make changes in design and specification at any time without notice and without obligation to modify units previously built.

All data given in this book is subject to production variations. Dimensions and weights are approximate only and the illustrations do not necessarily show machines in standard condition. For exact information about any particular machine please consult your dealer.

PARTS AND ACCESSORIES

Genuine parts and accessories have been specifically designed for these machines.

We would like to point out that “non-genuine” parts and accessories have NOT been examined and released by the Company. The installation and or use of such products could have negative effects upon the design characteristics of your machine and thereby affect its safety. The company is not liable for any damage caused by the use of “non-genuine” parts and accessories.

IMPROVEMENTS

We are continually striving to improve our products. We reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

MODEL CODES

The range of machines listed may not be available in all countries or markets therefore, for the latest information consult your local dealer.

OWNER ASSISTANCE

We want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your dealer's Service Department; however, misunderstandings can occur. If your problem has not been handled to your satisfaction, we suggest the following:

1. Contact the owner or General Manager of the dealership, explain the problem, and request assistance. When additional assistance is needed, your dealer has direct access to our office.
2. Provide your dealer with:
 - Your Name, Address, and Telephone number
 - Machine Model and Serial Number
 - Dealership Name and Address
 - Machine purchase date and amount of use
 - Nature of problem

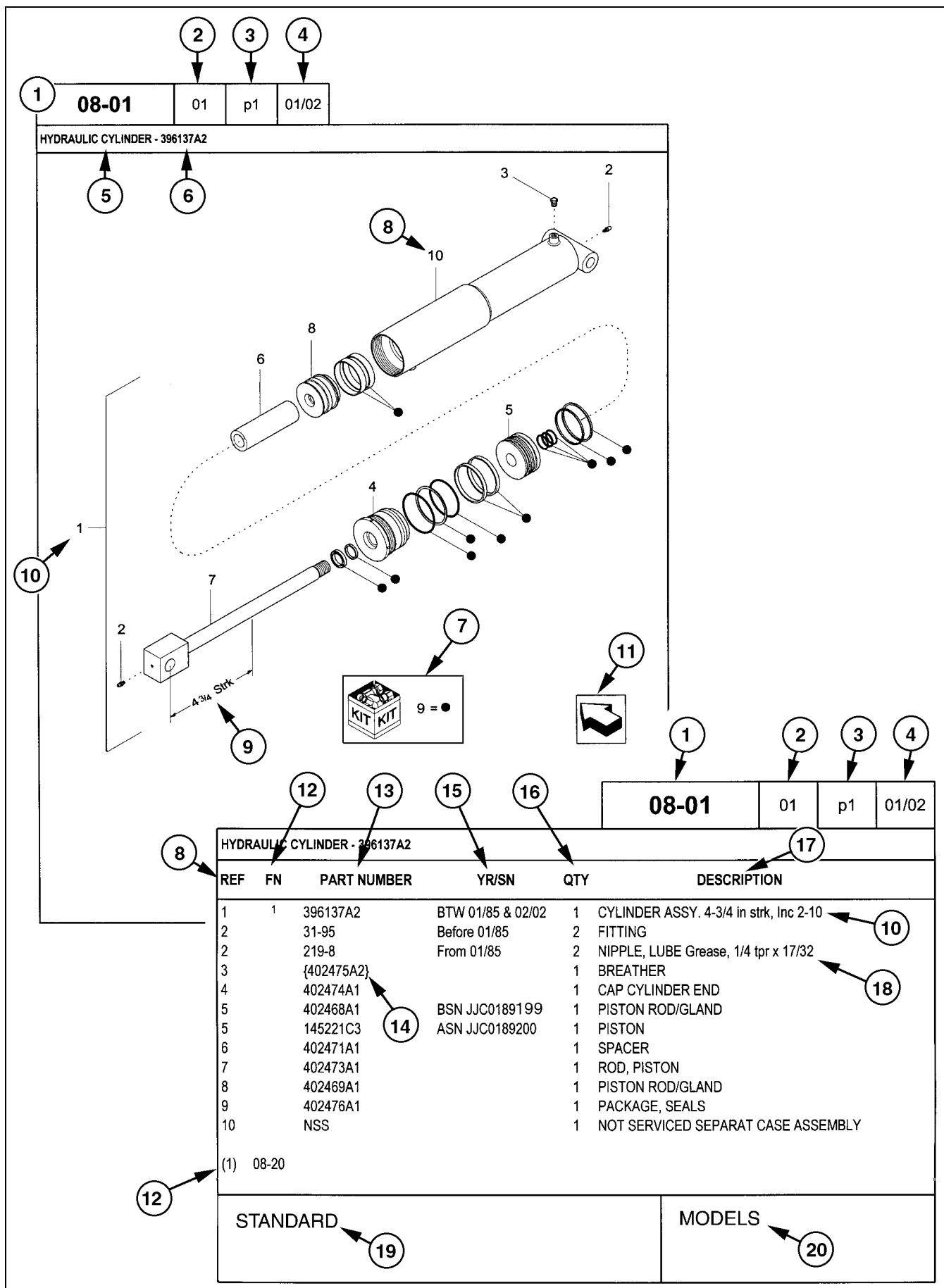
Be aware that your problem will likely be resolved in the dealership using the dealer's facilities, equipment, and personnel. So it is important that your initial contact be with the dealer.

SPARE PARTS

To maintain operating efficiency, use original spare parts.

When ordering parts, give the following information:

- Machine Model
- Machine and Engine Serial Numbers
- Part Number from the Parts Catalog



HOW TO USE YOUR PARTS CATALOG

1. Figure Number
2. Sequence Code within the Figure Number
3. Page Number within the Sequence Code
4. Date of Printing (month / year)
5. Figure Description
6. General information regarding the figure
7. Parts supplied in repair kits per symbol reference
8. Figure call-out of the part number (REF)
9. Technical specifications relating to the part indicated
10. Figure call-out includes bracketed items, the included items may also be listed in the additional description area
11. Orientation - Arrow indicates front of the machine
12. Footnote - Additional information relating to the part number. In this example, 08-20 equals another figure that this part is shown on
13. Part Number
 - NSS = Not Serviced Separately (Non-serviced parts)
 - Bracketed numbers = not available as service parts in this market
14. Not Available as service part in this market
15. YR/SN
 - Year
 - Before 01/85 = Part valid for production January 1985 and before
 - From 01/85 = Part valid for production from January 1985 and after
 - BTW 01/85 & 02/02 = Part valid for machines produced between January 1985 and February 2002.
 - Serial Number (P.I.N.)
 - BSN JJC0268800 = Part valid for serial number JJC0268800 and below
 - ASN JJC0268800 = Part valid for serial number JJC0268800 and above
 - BTW JJC0178000 & JJC0179000 = Part valid for serial numbers between JJC0178000 & JJC0179000
16. Total Quantity of the Part referred to in the page. The quantity can be replaced by the following indications:
 - AR = As Required
 - X = As required
17. Part Description
18. Additional description of the part to help confirm identification
19. Figure Notes
20. Model Number(s)

RIGHT-HAND AND LEFT-HAND

The reference to right-hand and left-hand in this catalog is identified by the operator standing at the rear of the basic unit (without rear attachment), looking toward the front of the machine (in normal forward travel).

For pages covering any machine attachments, right-hand and left-hand are defined by the operator sitting in the position for proper operation of the attachment.

DIMENSIONS

Metric and U.S. hardware dimensions do not show the numeric designations of standard coarse threads. A number following a semi colon (;) is the class or grade of hardware. A comma (,) represents the decimal point (.) used in U.S. dimensions.

EXPLANATION OF ABBREVIATIONS

AC	Alternating Current
adj	adjustable
amp	ampere
AR	As required
ASN	Serial number and after P.I.N. and after

blkhd	bulkhead
br	branch
BSN	before Serial number before P.I.N.
BTW	between

cc	cubic centimetre
cl	class
cmprsn	compression
cn pt	cone point
cp pt	cup point
CRS	Chrome Alloy Steel
CST	Carbon Steel
cu yd	cubic yard

DC	Direct Current
deg	degree
dg pt	dog point
dia	diameter
dr type	drive type

fc	face
fc sl	face seal
fem	female
fem PT	female pipe thread
fl	flare
flat pt	flat point
ft	feet or foot

ga	gauge
gal	gallon or gallons
gpm	gallons per minute
gr	grade

hd	head
hdg pt	half dog point
hp	horsepower
ID	inside diameter
in	inch or inches
Incl.	Includes
inv fl	inverted flare

K	kilo
kg	kilogram
km/h	kilometers per hour

L	litre
lb	pounds
lb-ft	pound-foot
lg	long
LH	left-hand
LH thd	left-hand thread

M	(prefix) metric thread size
m	metre
ml	milliliter
mm	millimetre

NF	National Fine
No.	number
NPT	National Pipe Thread
NS	National Super Fine

OD	outside diameter
ohm	electrical unit of resistance
Or	O-ring
ORB	O-ring boss
ORFS	O-ring face seal
ov cntr	over center
ov pt	oval point
oz	ounce

P	pitch
psi	pounds per square inch
pt	pint
PT	pipe thread

rd	round
rd holes	round holes
RH	right-hand
RH thd	right-hand thread
rpm	revolutions per minute

sl	self-locking
sq	square
SST	Stainless Steel
st	self-tapping
strk	stroke
sw	swivel

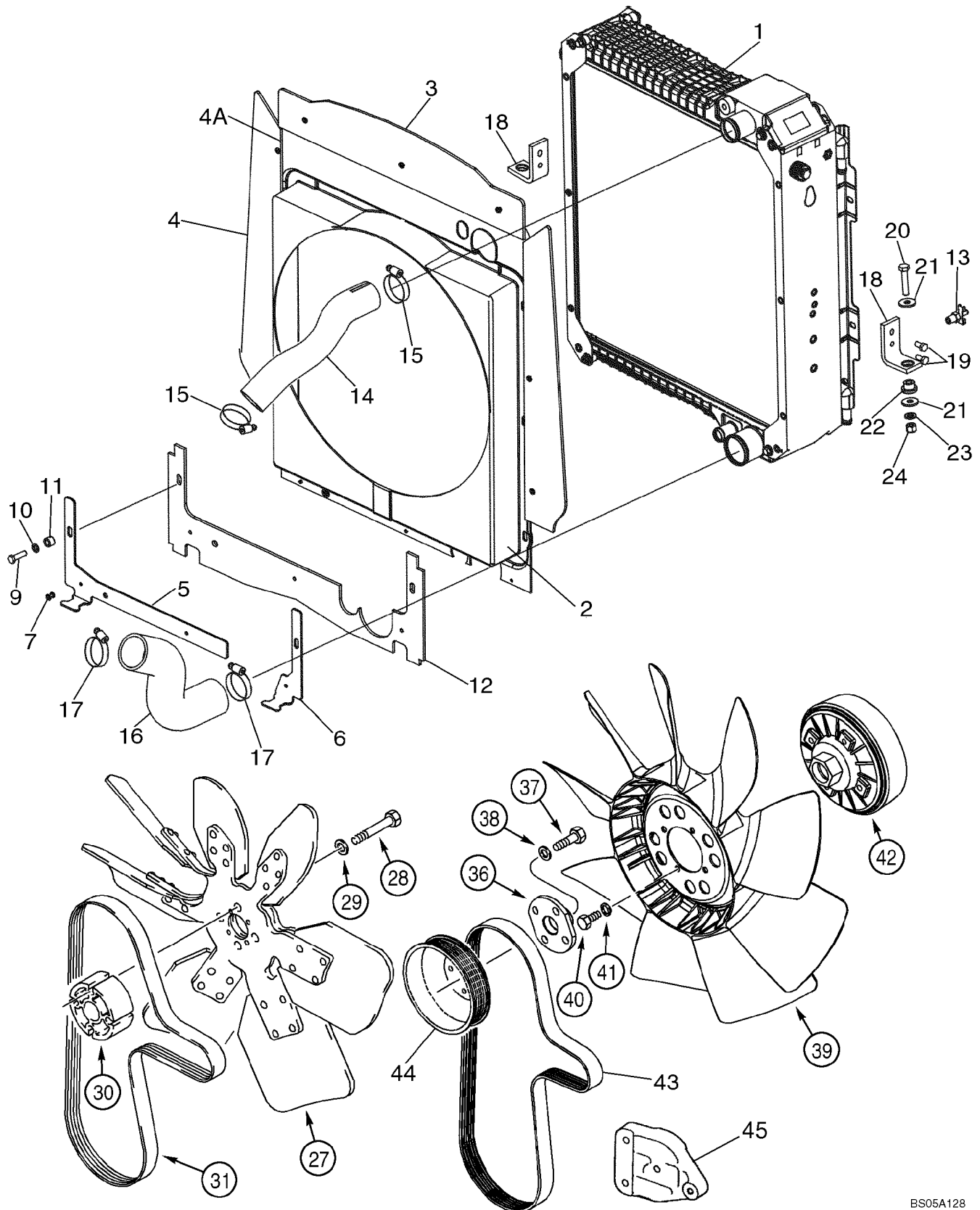
T	teeth
thk	thick
tpr	taper
tube OD	tube outside diameter

V	volt or volts
W	watt or watts
X	as required
yd	yard

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02-41	ENGINE - LIFT HOOK

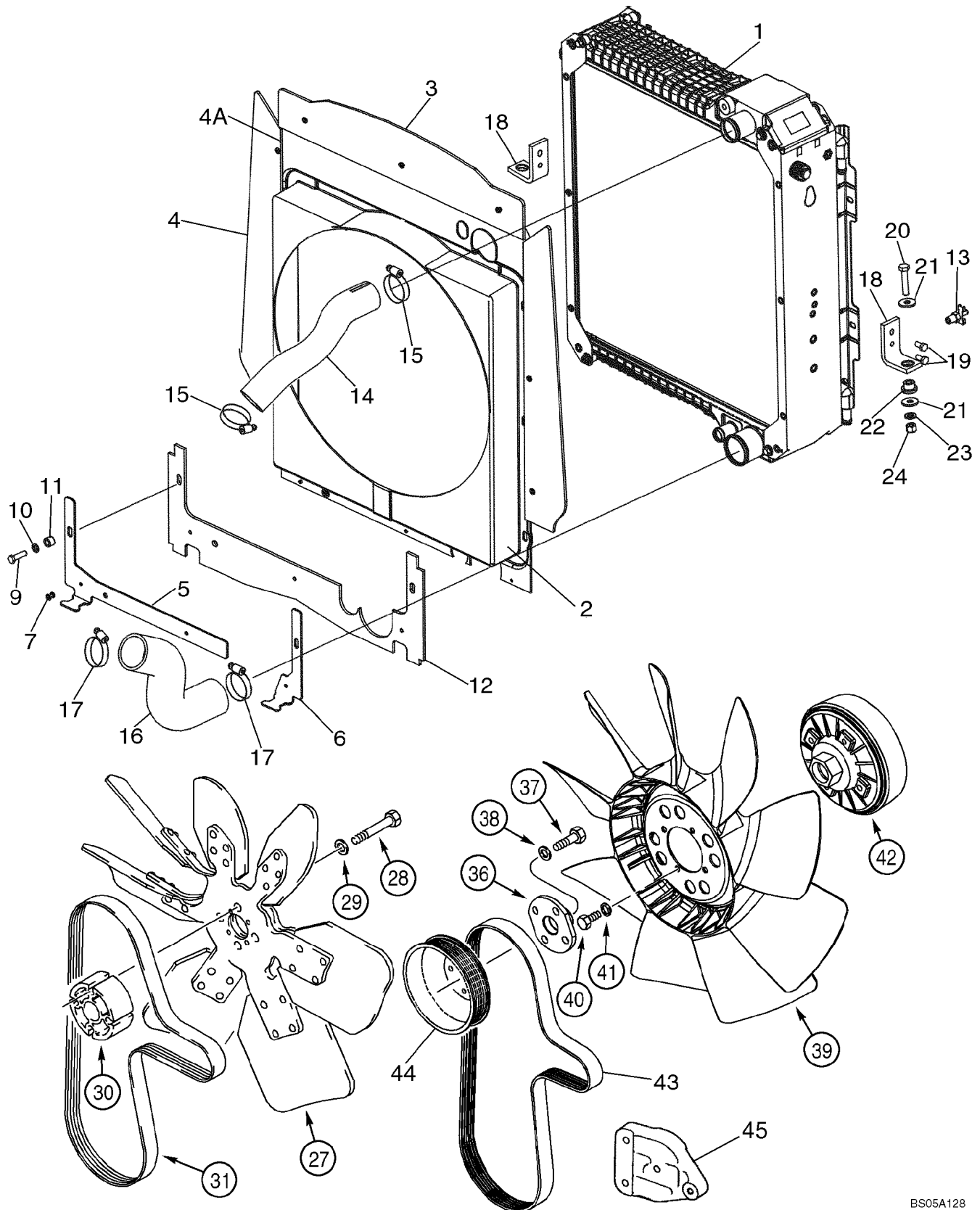
RADIATOR - MOUNTING



RADIATOR - MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87410096		1	RADIATOR, 3 Row Radiator, Models Without Air Conditioning; See Figure 02-03
1		87410098		1	RADIATOR, 5 Row Radiator, Models With Air Conditioning; See Figure 02-03A
		87434793		1	SHROUD, ASSEMBLY; Incl. Ref 2 - 4A
2		87417301		1	SHROUD, Fan
3		87434775		1	SEAL, RUBBER, Top
4		87434774		2	SEAL, RUBBER, Sides
4A		87301355		9	RIVET, Pop, 3/16" x .575", 3/16 x 37/64
5		87434614		1	PLATE, RETAINING, Plate, Lower Left-Hand Shroud; With 1 Slot, 3 Holes; If Used
5		87446082		1	PLATE, RETAINING, Plate, Lower Left-Hand Shroud; With 2 Slots, 2 Holes; If Used
6		87434649		1	PLATE, RETAINING, Plate, Lower Right-Hand Shroud; 199 mm (7-27/32 in) Long; If Used
6		87446081		1	PLATE, RETAINING, Plate, Lower Right-Hand Shroud; 195 mm (7-11/16 in) Long; If Used
7		87301356		3	RIVET, Pop, 3/16" x .700", 3/16 x 11/16
9		614-8030		2	BOLT, Hex, M8 x 30, 8.8
10		895-11008		2	WASHER, M8 x 16 x 1.6
11		407962A1		2	SPACER
12		87434978		1	SEAL, RUBBER, Lower Seal
13		81465471		1	DRAINCOCK/TAP, SUPPLY, Drain, 1/4
14		87413237		1	HOSE, LARGE, Upper; Part Number Stamped On Hose; If Used
14		87454377		1	HOSE, LARGE, Upper; Part Number Stamped On Hose; If Used
15		214-1432		2	CLAMP, HOSE, #32, 1.56/2.50 Type F Worm, 1-9/16 x 2-1/2
16		87407272		1	HOSE, LARGE, Lower; 6.4 mm (1/4 in) Thick; Part Number Stamped On Hose; If Used
16		87454378		1	HOSE, LARGE, Lower; 5.6 mm (7/32 in) Thick; Part Number Stamped On Hose; If Used
17		214-1440		2	CLAMP, HOSE, #40, 2.06/3.00 Type F Worm, 2-1/16 - 3
					580SM 580SM+

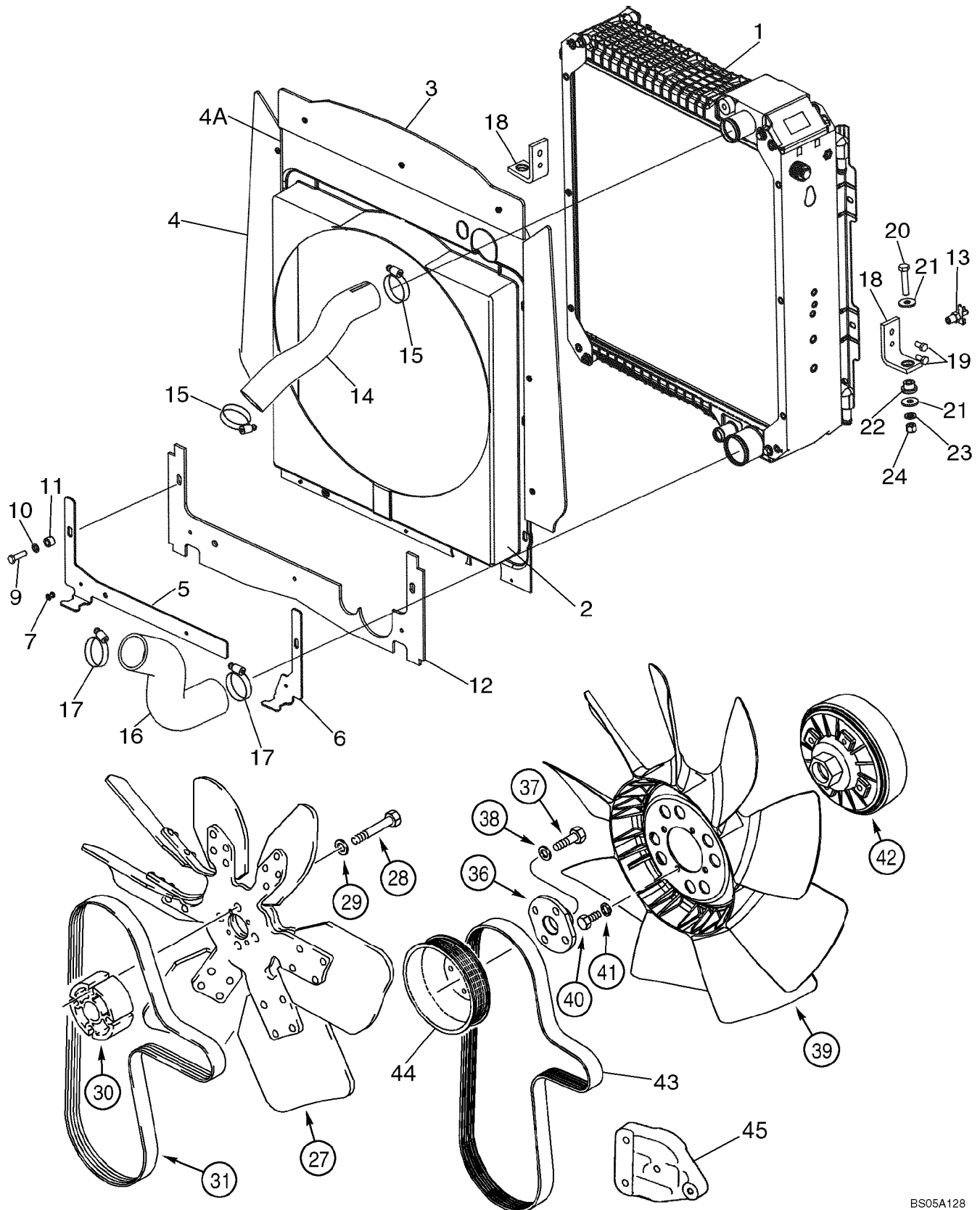
RADIATOR - MOUNTING



RADIATOR - MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
18		87407771		2	BRACKET, SUPPORTING, Radiator Mounting Support
19		614-8016		4	BOLT, Hex, M8 x 16, 8.8
20		814-10050		2	BOLT, Hex, M10 x 50, 8.8
21		K691987		4	WASHER, Flat, 10 mm
22		D52276		2	ISOLATOR, Rubber
23		895-11010		2	WASHER, M10 x 20 x 2
24		832-10410		2	NUT, LOCK, M10 x 1.5, Cl 8
27		228133A2		1	FAN, 39 Degrees; Standard Fan Drive; With Air Conditioning
27		185377A1		1	FAN, 33 Degrees; Standard Fan Drive; Without Air Conditioning
28		814-10090		4	BOLT, Hex, M10 x 90, 8.8
29		496-21041		4	WASHER, 13/32" x 13/16" x .089", HDN, 13/32 x 13/16 x 3/32
30		87353191		1	SPACER, Die Cast, 59 mm Long, Standard Fan Drive; With Or Without Air Conditioning; Replaces 85826229 Aluminium 59 mm Long Spacer that has Part Number Stamped On Spacer Used On Some Models
31		85826230		1	BELT, V-Type, Standard Fan Drive; With Or Without Air Conditioning
36		303192A1		1	ADAPTER, Viscous Fan Drive, With Air Conditioning
37		614-10030		4	BOLT, Hex, M10 x 30, 8.8
38		896-11010		4	WASHER, M10 x 21.5 x 2.5, HT
39		277800A1		1	FAN, 9 Blade, Viscous Fan Drive; With Air Conditioning
40		614-8016		4	BOLT, Hex, M8 x 16, 8.8
41		892-11008		4	WASHER, LOCK, M8
42		87340008		1	DRIVE ASSY., Fan Drive; Component Parts Not Serviced Separately; Viscous Fan Drive; With Air Conditioning; Replaces 303195A1, 47049810
43		87415774		1	BELT, TRANSMISSION, V-Type; Viscous Fan Drive, With Air Conditioning
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RADIATOR - MOUNTING



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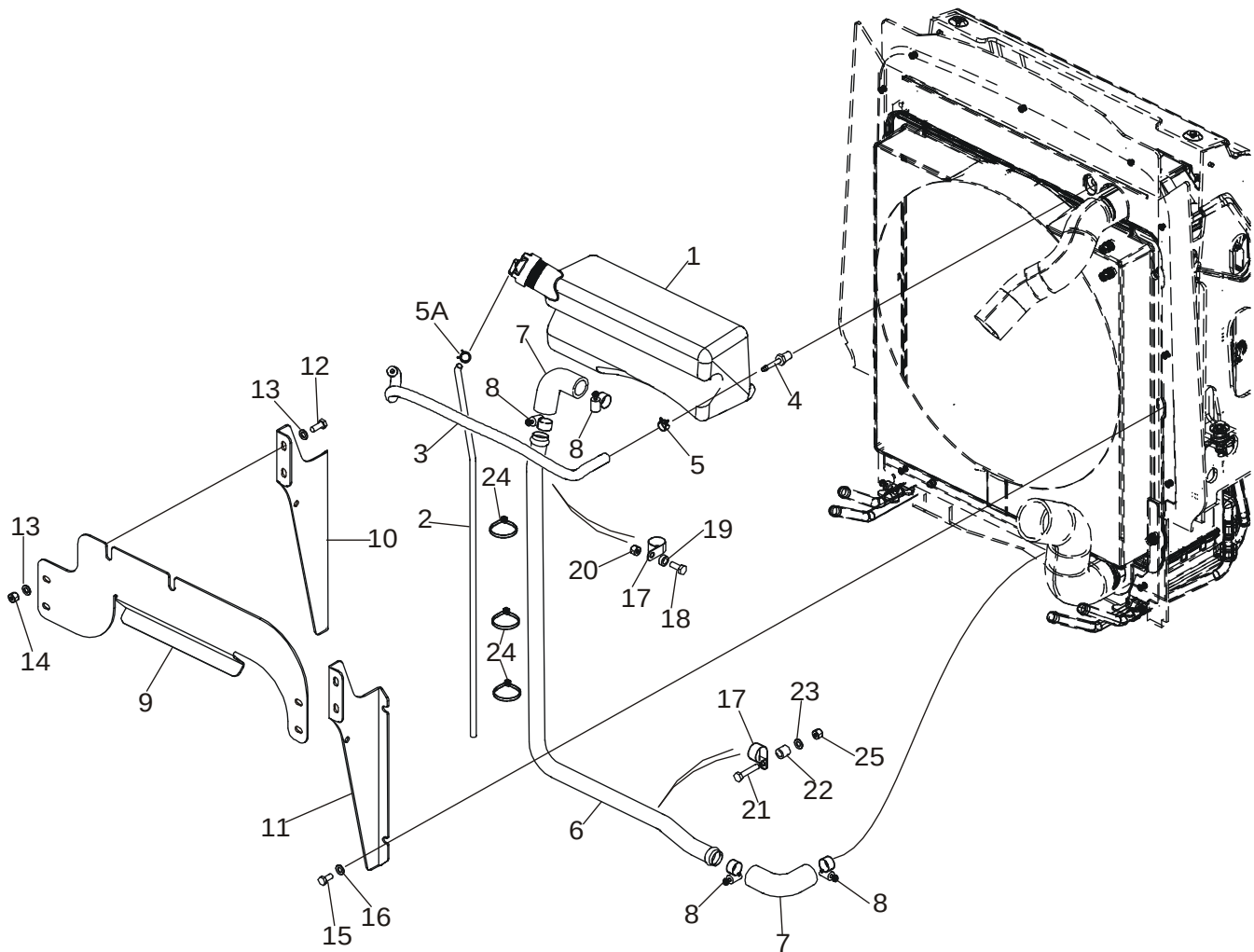
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RADIATOR - MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87419385		1	BODY, Fan 1.4:1 Ratio Pulley Kit; Includes Ref 44, 45; Viscous Fan Drive; With Air Conditioning; No Longer Available For Service, Order Components
44		4890343		1	PULLEY
45		87442419		1	BRACKET, Pulley Tensioner Support, Painted, Replaces 2852621, 504069572 Which Were Used With 86990710 Engine

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DEAERATION SYSTEM - MOUNTING



02-02

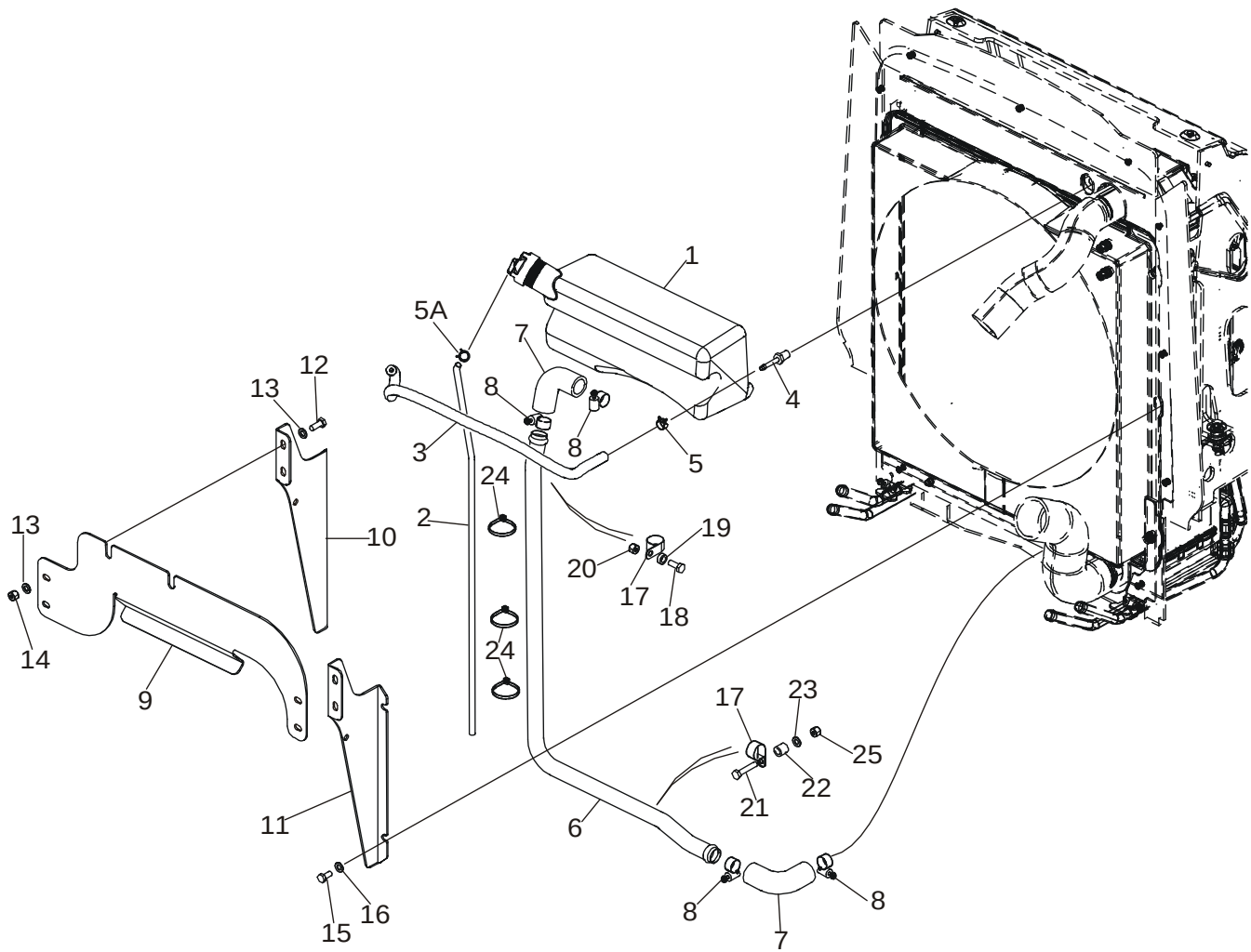
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DEAERATION SYSTEM - MOUNTING

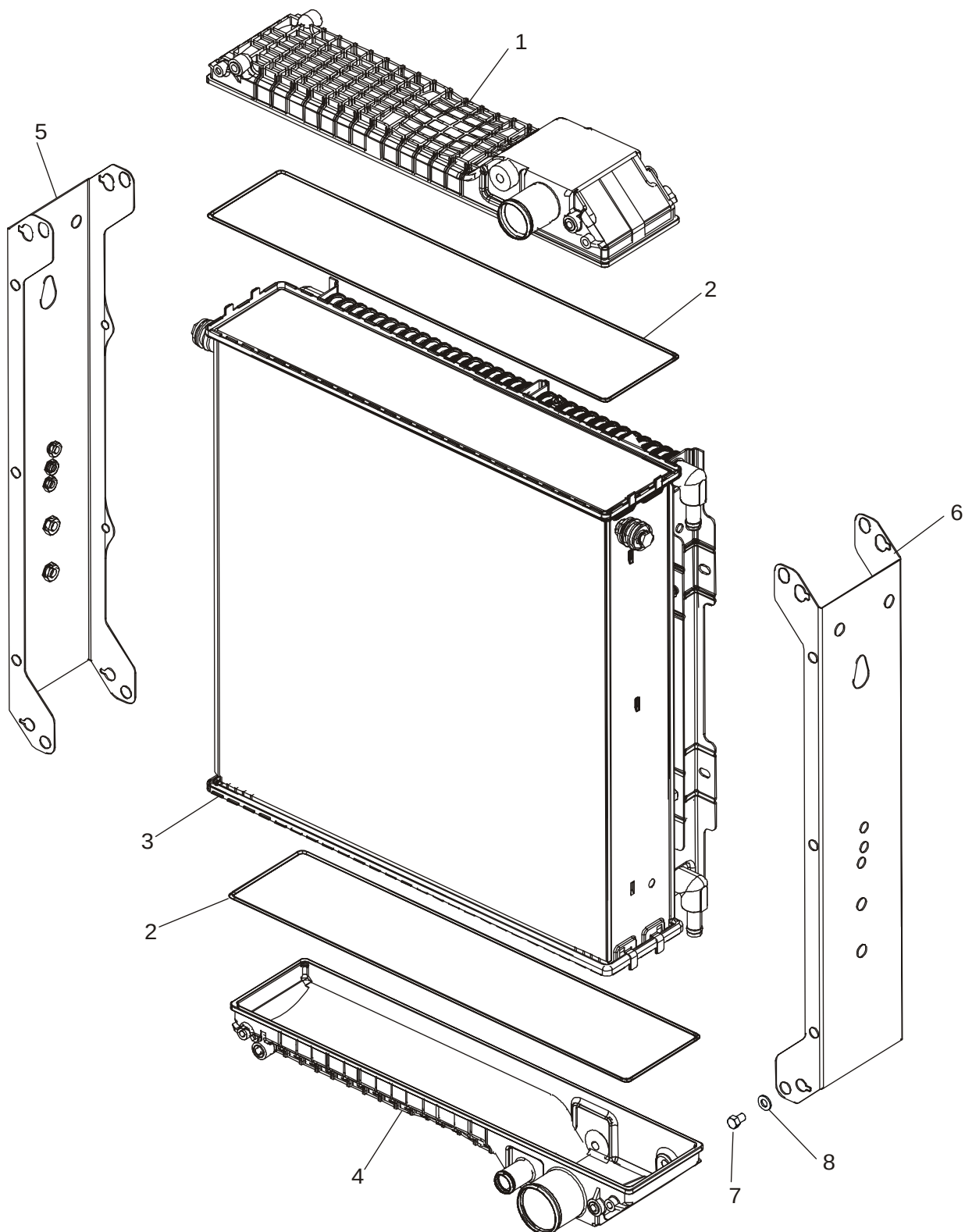
REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87354587		1	RESERVOIR, COOLANT EXPNSN, Deaeration Reservoir, 3.5 Liters; Includes 85803019 Cap; Replaces 87412139 Reservoir, Which Also Included 85803019 Cap
		85803019		1	PLUG, Cap, 13 psi
2		87435409		1	HOSE, Overflow Hose
3		87417300		1	HOSE, Recovery, 5/16 ID x 19/32 OD x 22-11/64; Reservoir to Radiator; If Used
3		87306306		1	HOSE, Recovery, 5/16 ID x 19/32 OD x 22-1/4; Reservoir to Radiator; If Used
4		87301325		1	FITTING, 5/16" Hose X 1/4" NPTF Beaded, Fitting, 5/16 Stem x 1/4 NPTF
5		1348264C1		1	CLAMP, HOSE
5A		214-1704		1	CLAMP, HOSE, #4, 0.25/0.62 Type M Worm, Type M, No. 04
6		87433503		1	TUBE
7		87417299		2	HOSE, R31.8 Bend Radius; Part Number Not Stamped On Hose; If Used
7		87454376		2	HOSE, R33 Bend Radius; Part Number Stamped On Hose; If Used
8		214-1416		4	CLAMP, HOSE, #16, 0.81/1.50 Type F Worm, Type F, No. 16
9		87448489		1	BRACKET, Replaces 87417223 Bracket
10		87417225		1	BRACKET, Left-Hand Bracket
11		87417224		1	BRACKET, Right-Hand Bracket
12		614-8020		4	BOLT, Hex, M8 x 20, 8.8
13		895-11008		8	WASHER, M8 x 16 x 1.6
14		832-10408		4	NUT, M8 x 1.25, Cl 8
15		806-8016		4	BOLT, Hex, Lock, M8 x 16, Cl 10.9, M8 x 16
16		895-11008		4	WASHER, M8 x 16 x 1.6
17		515-22254		2	CLAMP, 1", Insul, 5/16" Bolt
18		614-8020		1	BOLT, Hex, M8 x 20, 8.8
19		87418359		1	SPACER, 8 x 6 mm
20		829-1408		1	NUT, M8, Cl 10
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DEAERATION SYSTEM - MOUNTING



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RADIATOR ASSY (WITHOUT AIR CONDITIONING)



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RADIATOR ASSY (WITHOUT AIR CONDITIONING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87410096		1	RADIATOR, 3 Row Radiator, Models Without Air Conditioning; Incl. Ref 1 - 8
1		87429694		1	RESERVOIR, COOLANT EXPNSN, Upper Reservoir
2		254409A1		2	SEAL
3		87429690		1	CORE, RADIATOR, Core
4		87429695		1	RESERVOIR, COOLANT EXPNSN, Lower Reservoir
5		87429692		1	SIDE MEMBER, Left-Hand
6		87429693		1	SIDE MEMBER, Right-Hand
7		614-8012		8	SCREW, Hex, M8 x 12, 8.8, Full Thd
8		895-11008		8	WASHER, M8 x 16 x 1.6

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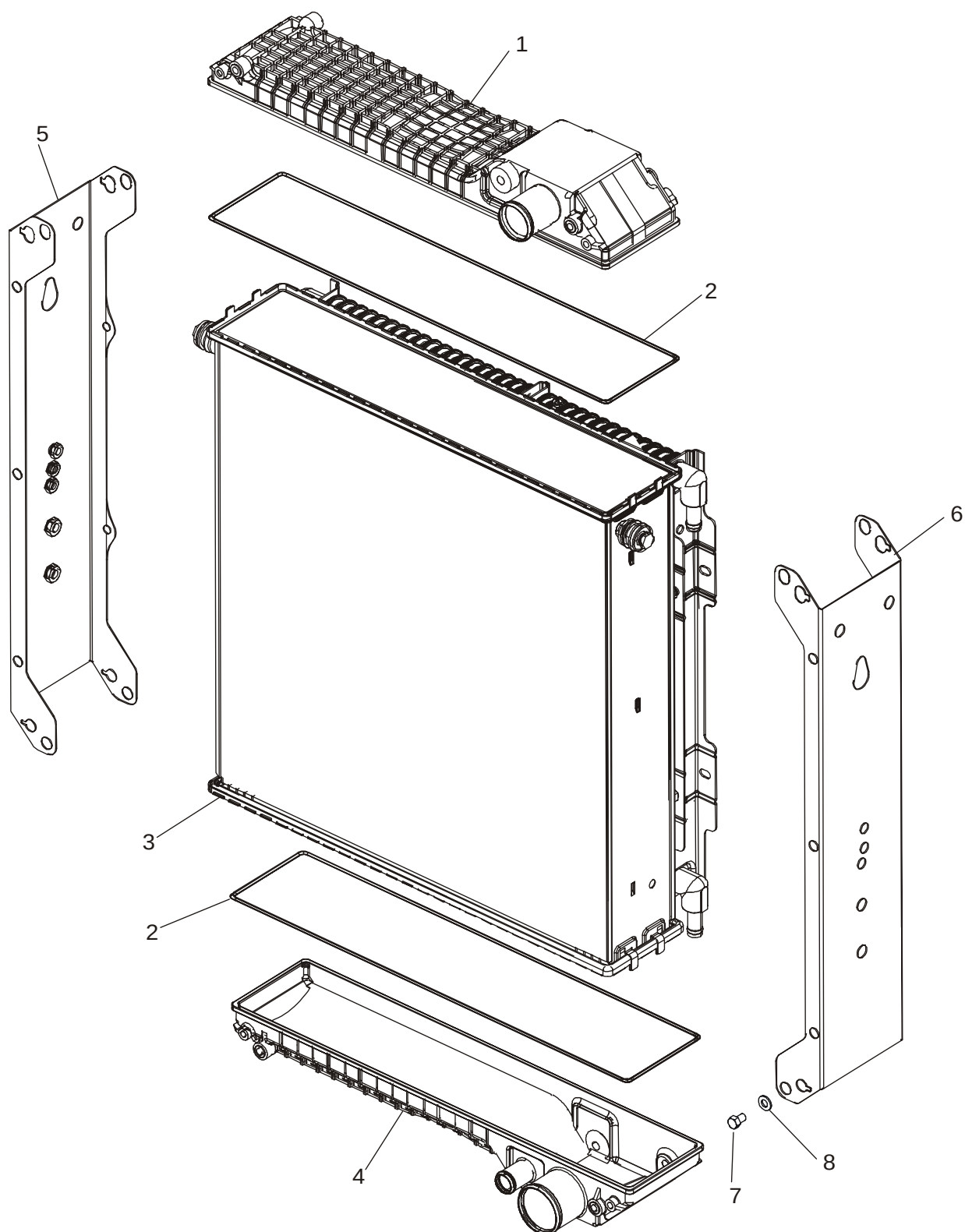
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RADIATOR ASSY (WITH AIR CONDITIONING)



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