

INSTALLATION MANUAL

REF NO.	BA99005
DATE	April 14, 1999

Page 1 of 14

SUBJECT: Colorado High Ambient Cooling Spec field installation kit
(Sales code W269090)

PURPOSE: This kit is intended for machines that experience overheating because of high ambient temperatures.

APPLICATION: WA600-1LC and WA600-1LE

FAILURE CODE: 031099

DESCRIPTION: Field installation procedure

Replace:

- ! Radiator and the Sensor in it and some piping
- ! Oil Cooler and piping
- ! Engine Fan Drive Pulley
- ! Engine Fan Belt

Add:

- ! Radiator Expansion Tank
- ! More ventilation cut-out slots

WARNING

For personal safety and product reliability use the Komatsu Shop Manual procedures to perform all services and for applying all design specification criteria such as torques and fluids.

The following is the list of parts required for the field installation and instructions showing what parts to remove, add and replace.

Table of contents

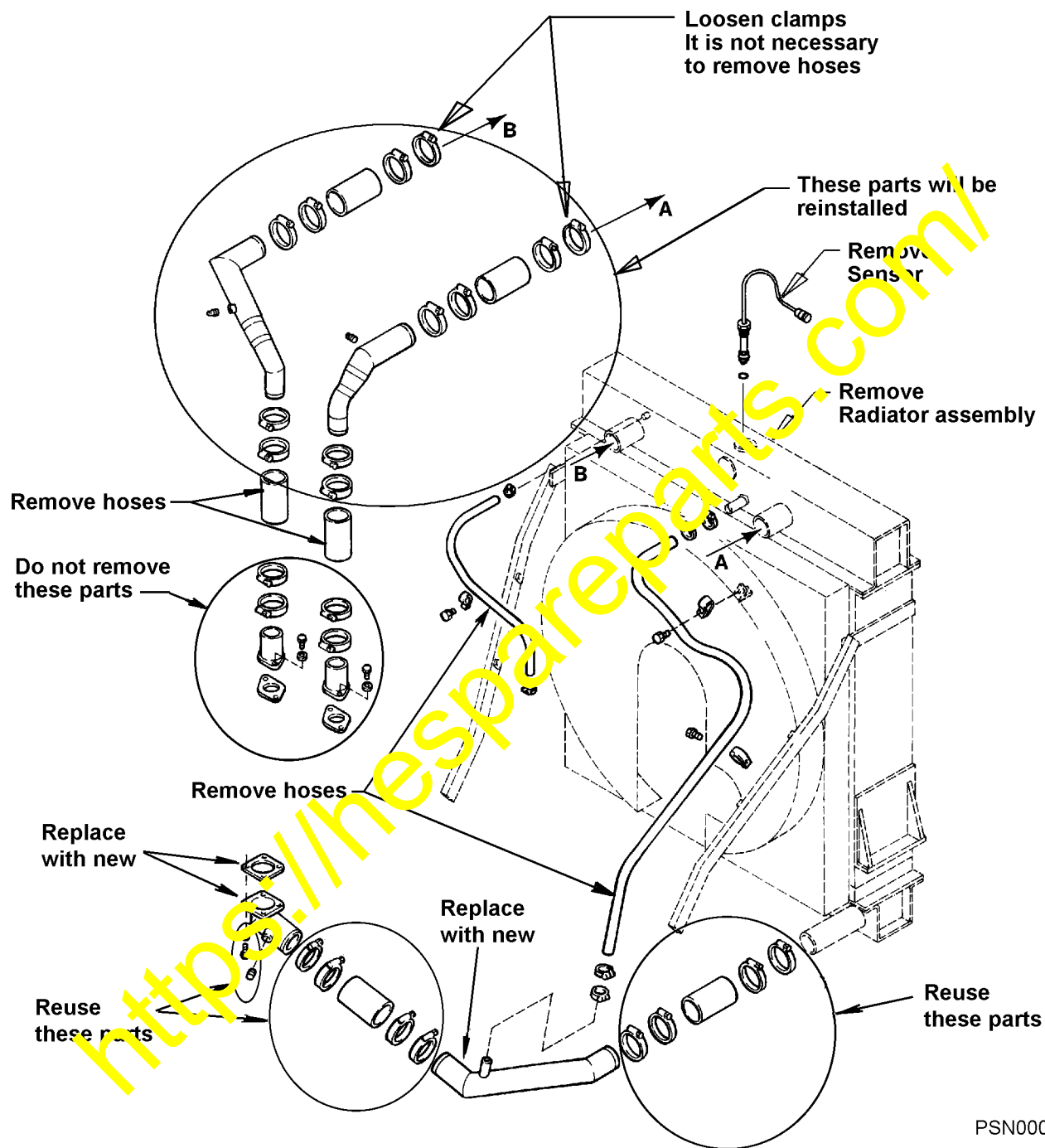
	<u>Page no.</u>
Parts lists	2
Removal of Radiator, Sensor and Piping	4
Removal of Hydraulic Oil Cooler Piping	5
Rear Frame Rework	6
Hood Rework	7
Radiator Guard Rework	8
Radiator Guard Rework Weldment	9
Installation of Radiator, Sensor and Piping	10
Installation of Oil Cooler and Coolant Piping	11
Installation Hydraulic Cooler and Piping	12
Installation of Expansion Tank and Piping	13
Removal and installation of Engine fan drive pulley and fan belt	14

Parts lists

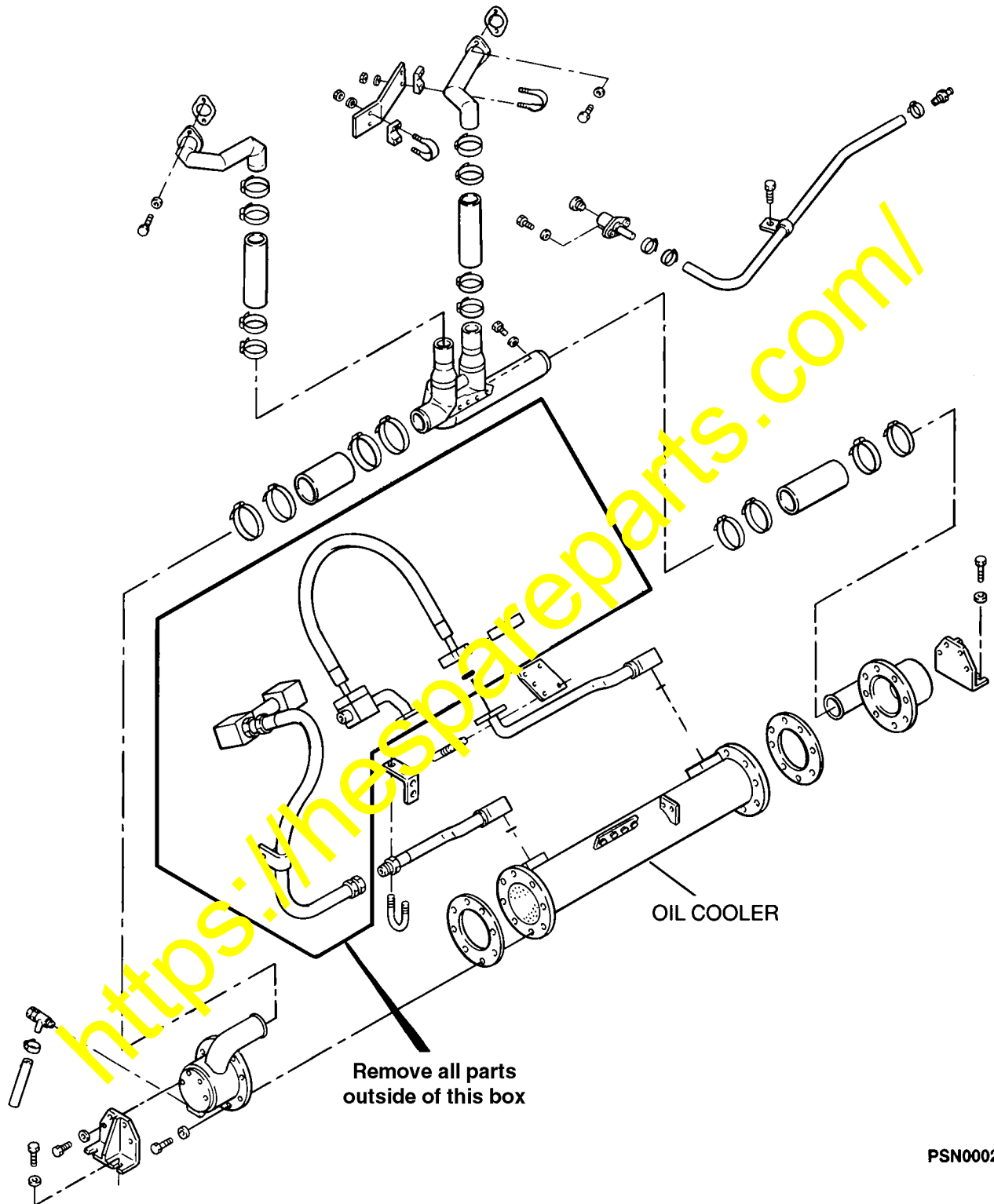
Item	Part number	Description	Qty.	Page	Remarks
1	426-03-11800	Radiator assembly	1	10	
2	7861-91-4500	Sensor	1	10	For Radiator Top Tank
3	426-S05-1280	Plate	2	9	For Radiator Guard Rework weldment
4	426-S05-1290	Plate	2	9	
5	01573-22313	Seat	2	6	For Rear Frame Rework: to mount Oil Cooler and Drain line
6	426-S05-A230	Plate	1	6	
7	426-S05-A100	Bracket, Expansion tank	1	7	For Hood Rework
8	01571-01016	Seat	1	6	For Rear Frame Rwk: (Exp. Tank drain)
9	426-Z84-3880	Expansion Tank	1	13	
10	01435-01225	Bolt	8	13	
11	07281-10137	Clamp	4	13	
12	582-01-12910	Nipple	2	13	
13	208-04-19130	Elbow	2	13	
14	208-04-19160	Ball, Float	1	13	
15	07053-10000	Cap	1	13	
16	569-03-61940	Tube	1	13	
17	426-S05-1330	Decal	1	13	
18	426-S05-1270	Hose	1	13	
19	426-S05-1260	Bracket, Expansion Tank	1	13	For mounting Expansion Tank
20	426-03-21202	Oil Cooler	1	11,12	
21	426-03-21150	Elbow	1	11	
22	426-03-22250	Tube	1	11	
23	426-03-22260	Tube	1	11	
24	426-03-22271	Tube	1	11	
25	426-S05-A280	Plate	1	11	
26	426-S05-A260	Tube	1	12	
27	426-S05-A270	Tube	1	12	
28	07326-10604	Adapter	1	11	
29	07281-00319	Clamp	4	11	
30	427-03-11160	Hose	1	11	
31	418-01-21110	Drain Valve	1	11	
32	424-01-11110	Plug	1	11	
33	01435-01025	Bolt	2	11	
34	426-03-11930	Gasket	2	11	
35	140483 H	Bolt	4	11	
36	01597-01009	Nut	4	11	
37	07283-54959	Seat	2	11	
38	07283-34957	Clip	2	11	
39	07260-24722	Hose	1	11	

Item	Part number	Description	Qty.	Page	Remarks
40	07289-00055	Clamp	4	11	
41	07260-27425	Hose	1	11	
42	07289-00095	Clamp	8	11	
43	07260-27416	Hose	1	11	
44	01643-31232	Washer	24	11	
45	08034-20536	Band	1	13	
46	01010-81225	Bolt	4	11	
47	1313 118 H1	Pulley (Cummin#3090042)	1	14	
48	1313 114 H1	Fan Belt (Cummins 3090137)	1	14	
49	07260-25820	Hose	2	10	
50	09483-03090	Hose	1	10	
51	09483-46210	Hose	1	10	
52	07000-A3045	O-ring	2	12	
53	07000-13048	O-ring	1	12	
54	426-03-22231	Tube	1	10	
55	426-03-A1332	Tube	1	10	
56	426-03-11920	Gasket	1	10	

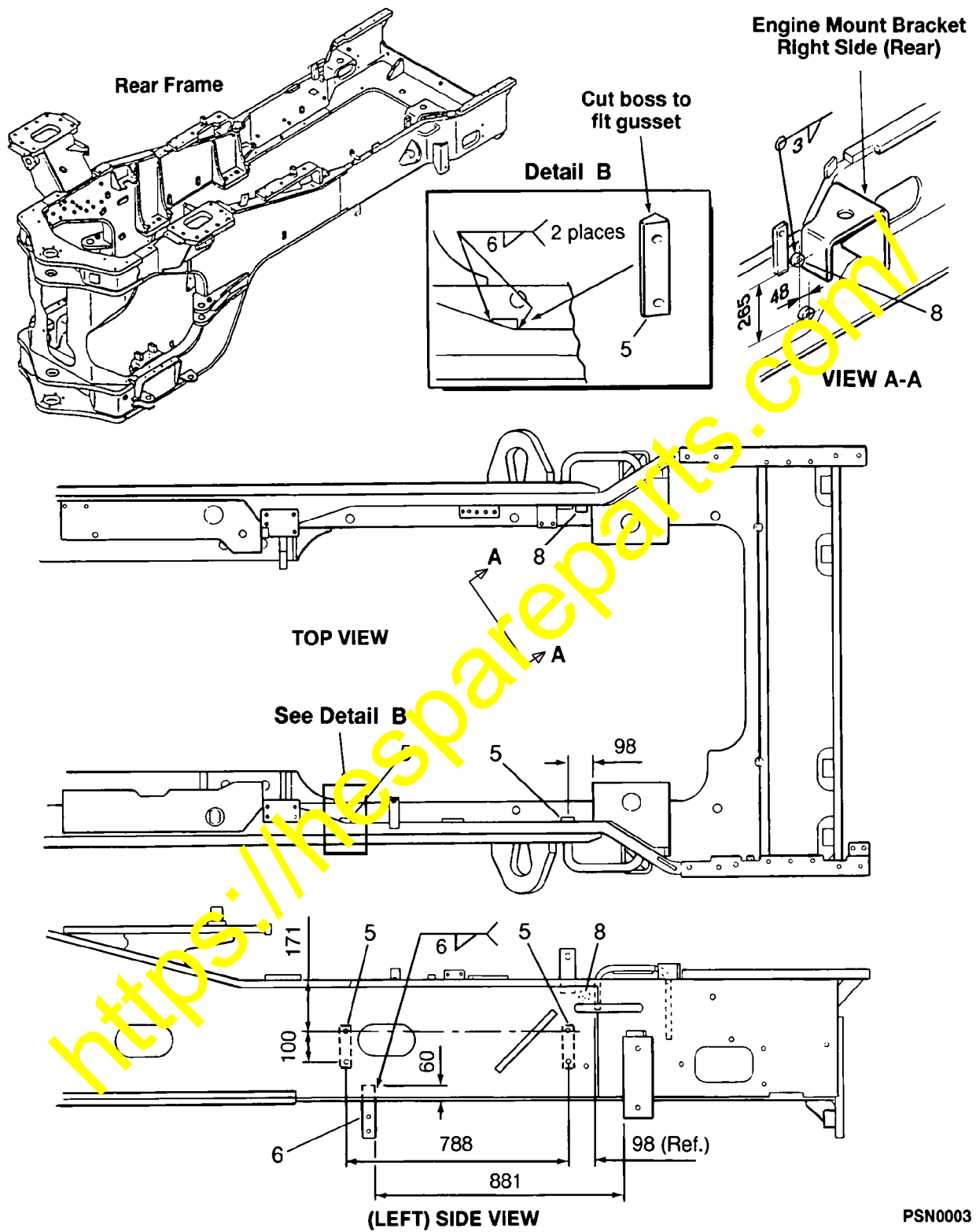
Removal of Radiator, Sensor and Piping



Removal of Hydraulic Oil Cooler Piping

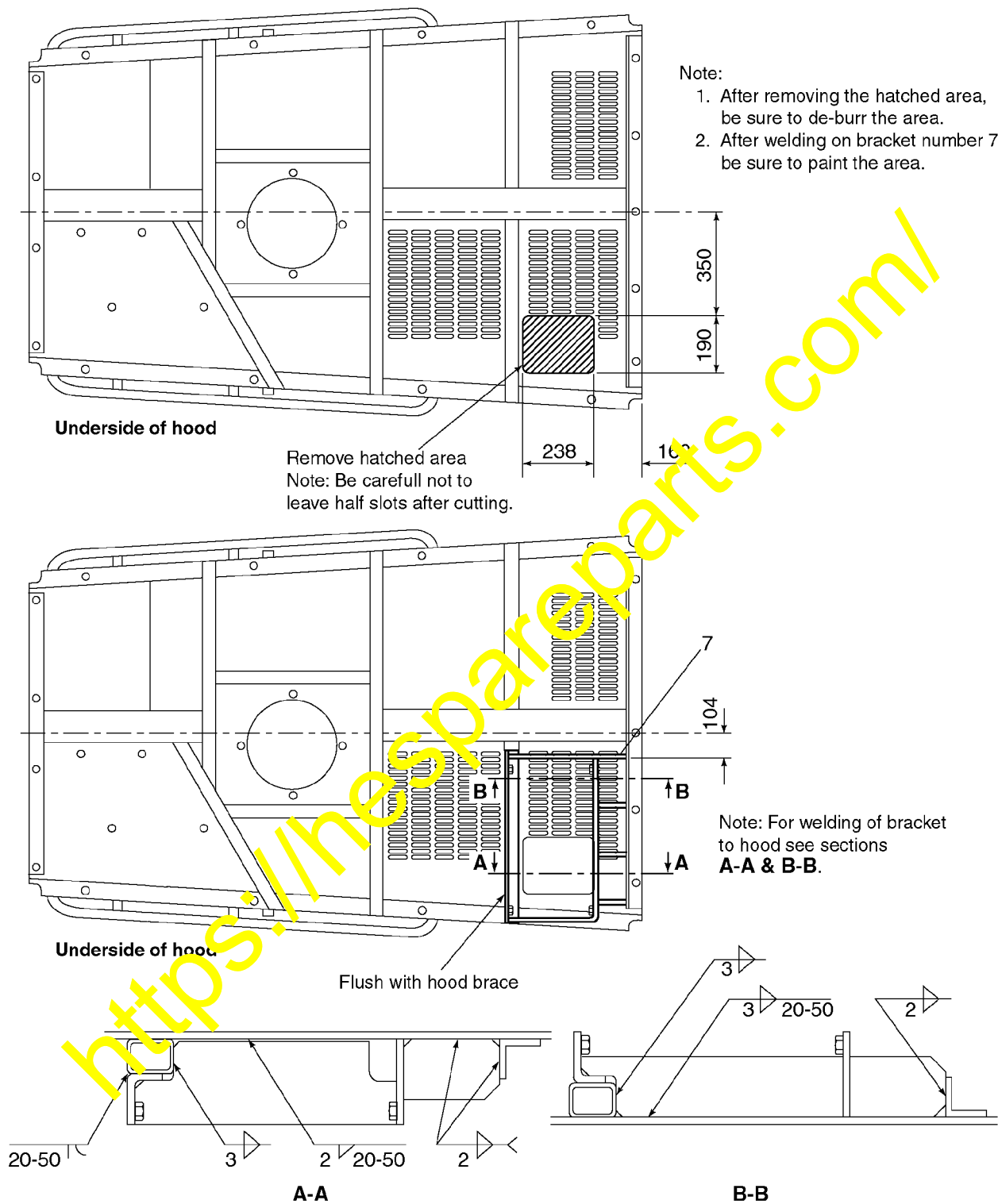


Rear Frame Rework



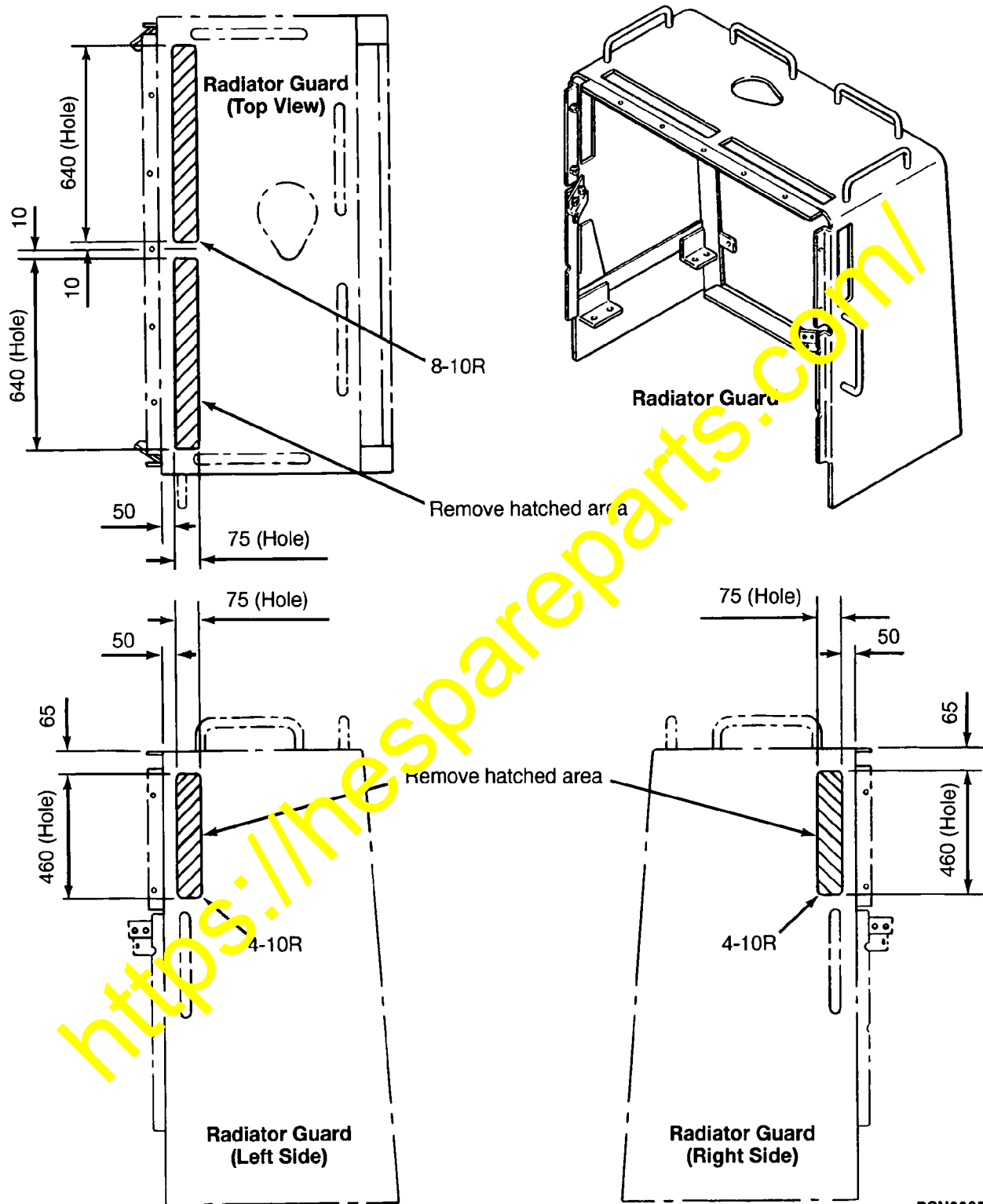
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Hood Rework



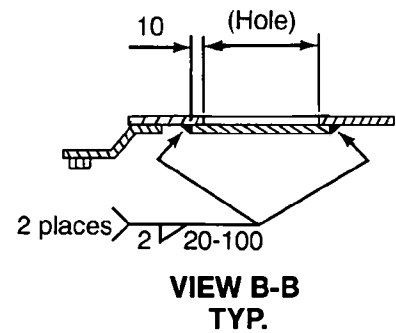
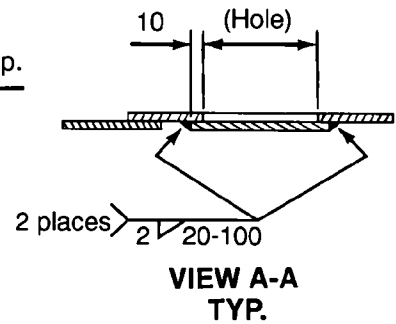
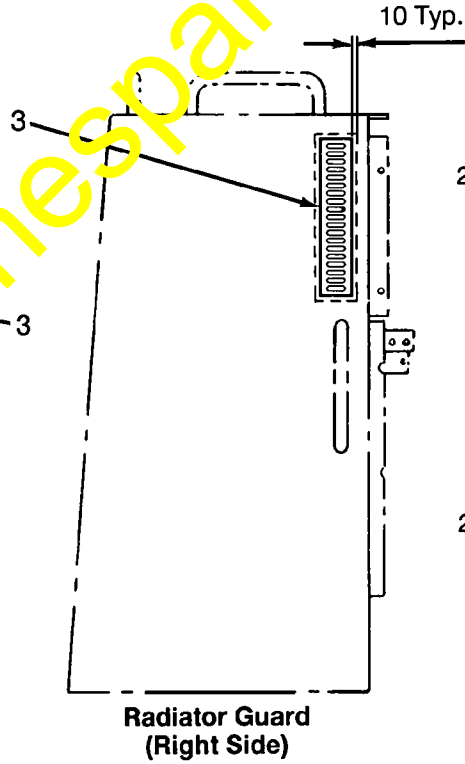
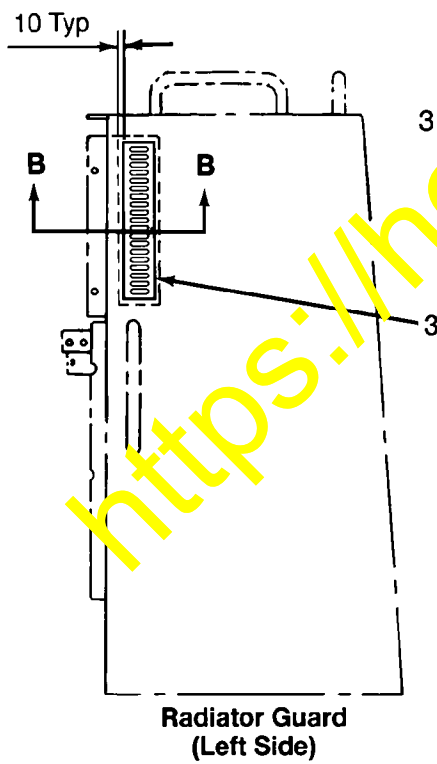
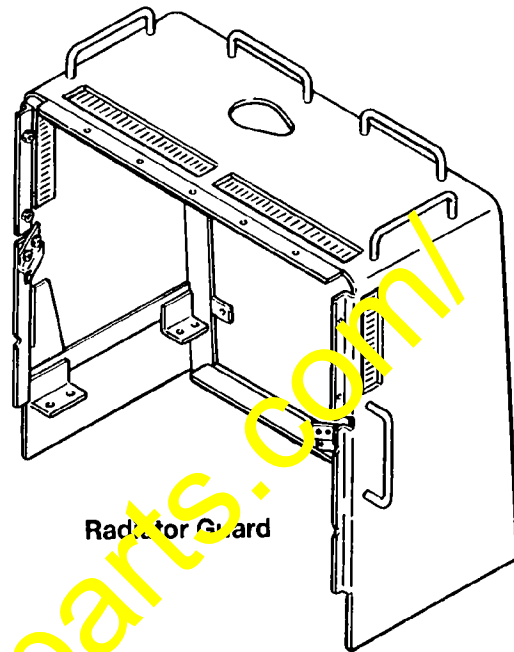
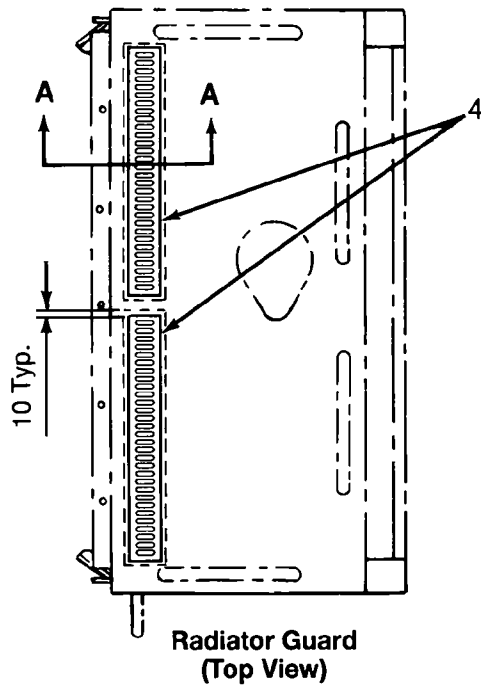
PSN0004

Radiator Guard Rework



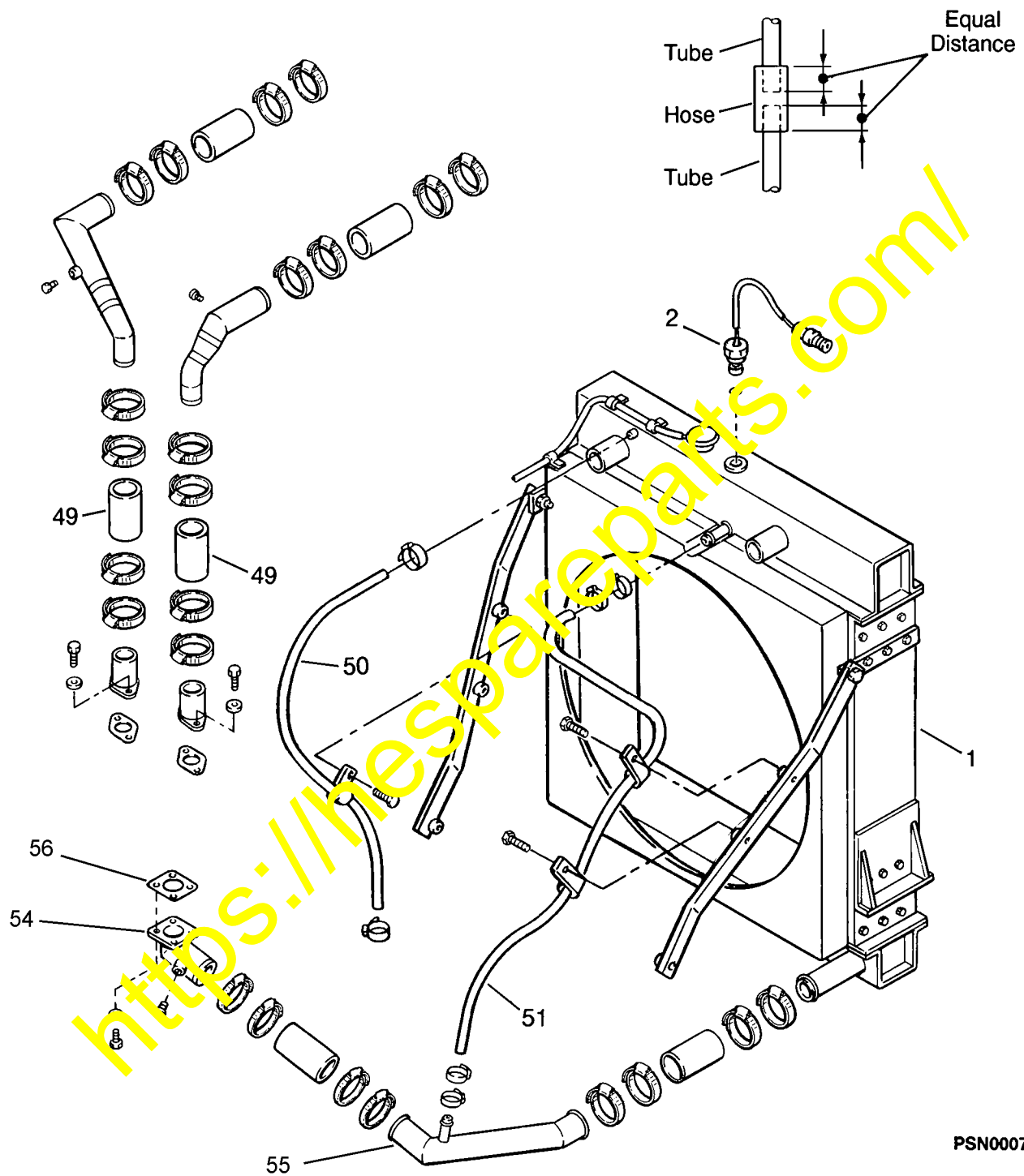
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Radiator Guard Rework Weldment

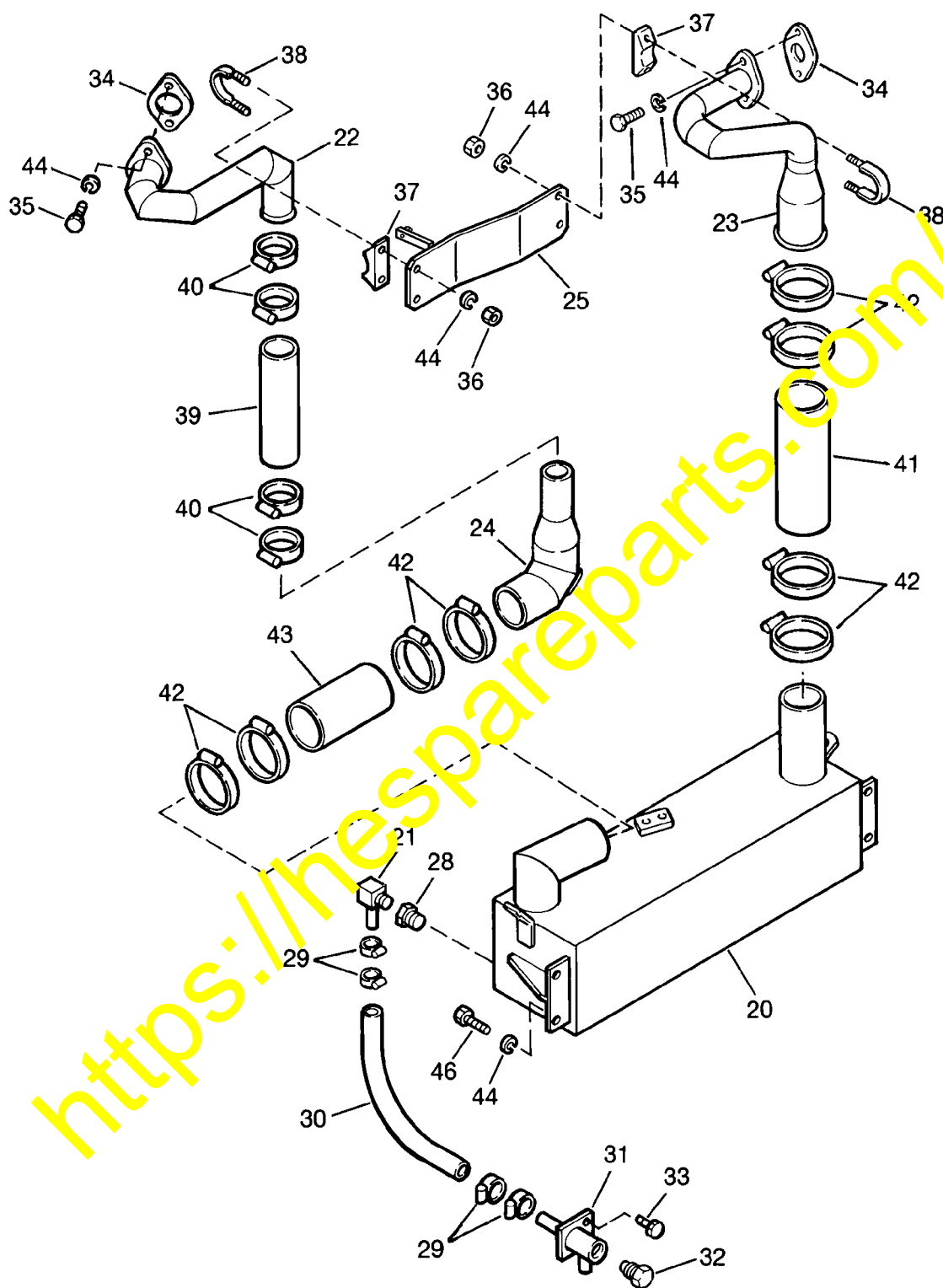


PSN0006

Installation of Radiator, Sensor and Piping

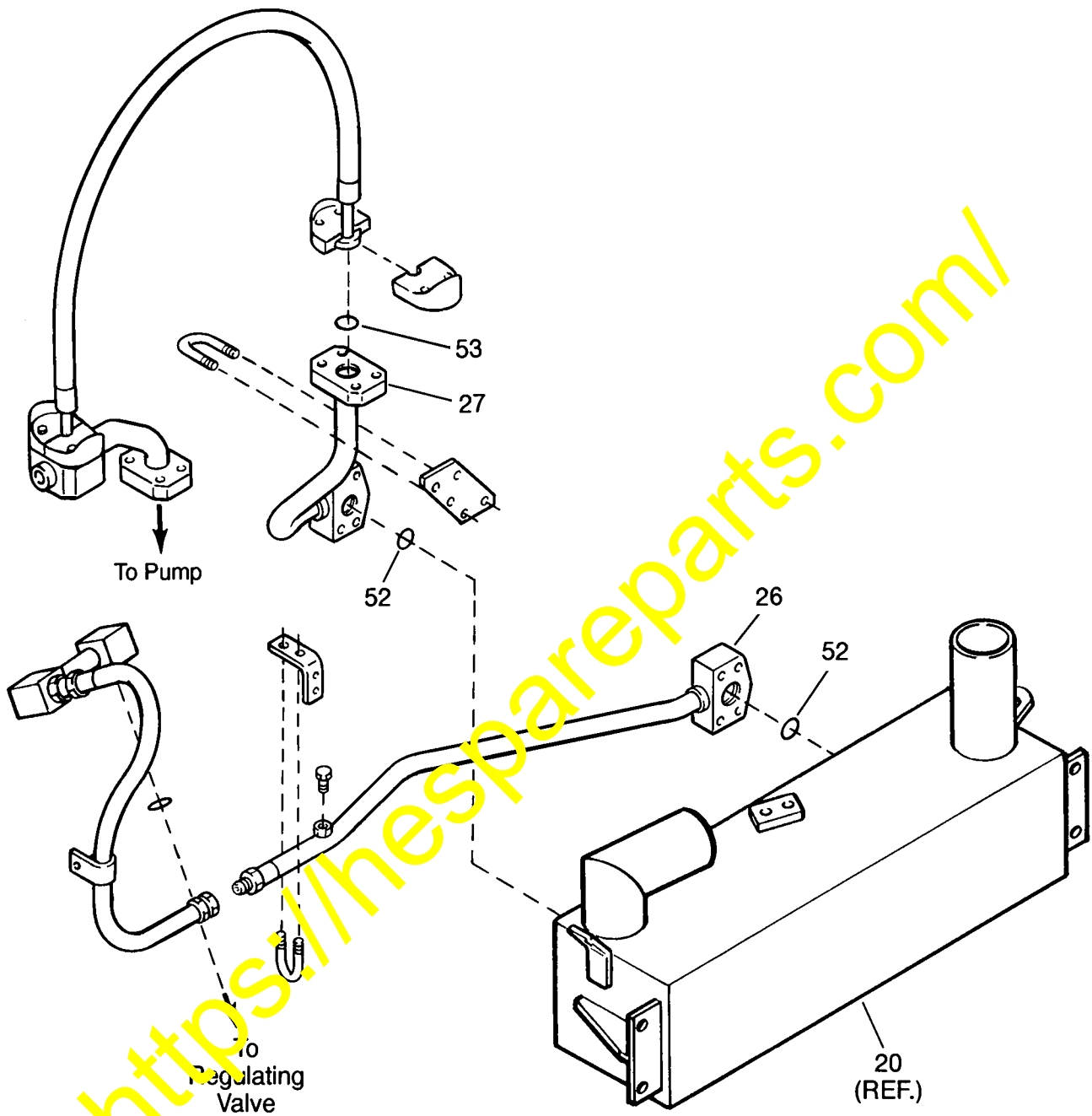


Installation of Oil Cooler and Coolant Piping



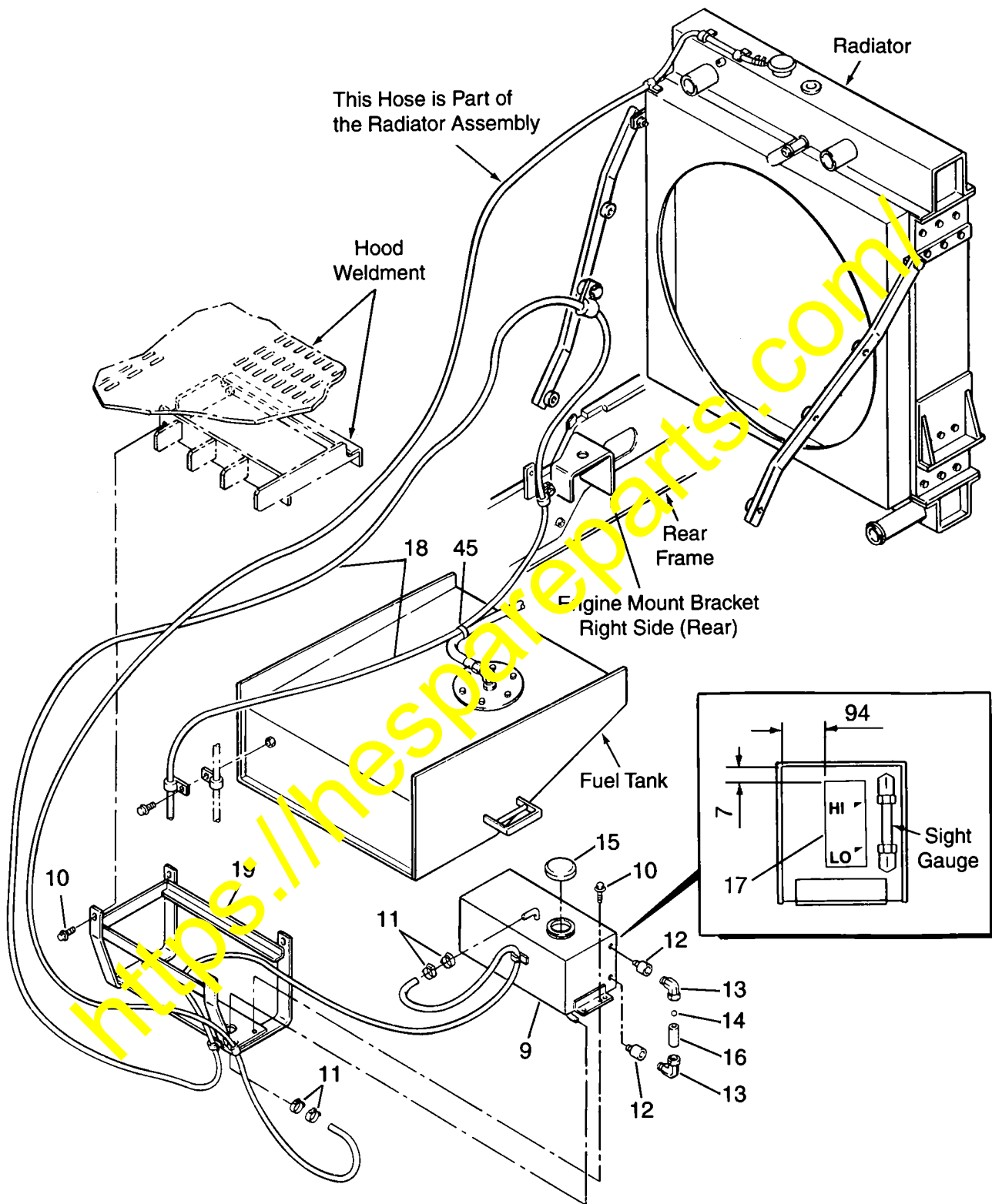
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Installation Hydraulic Cooler and Piping



PSN0009

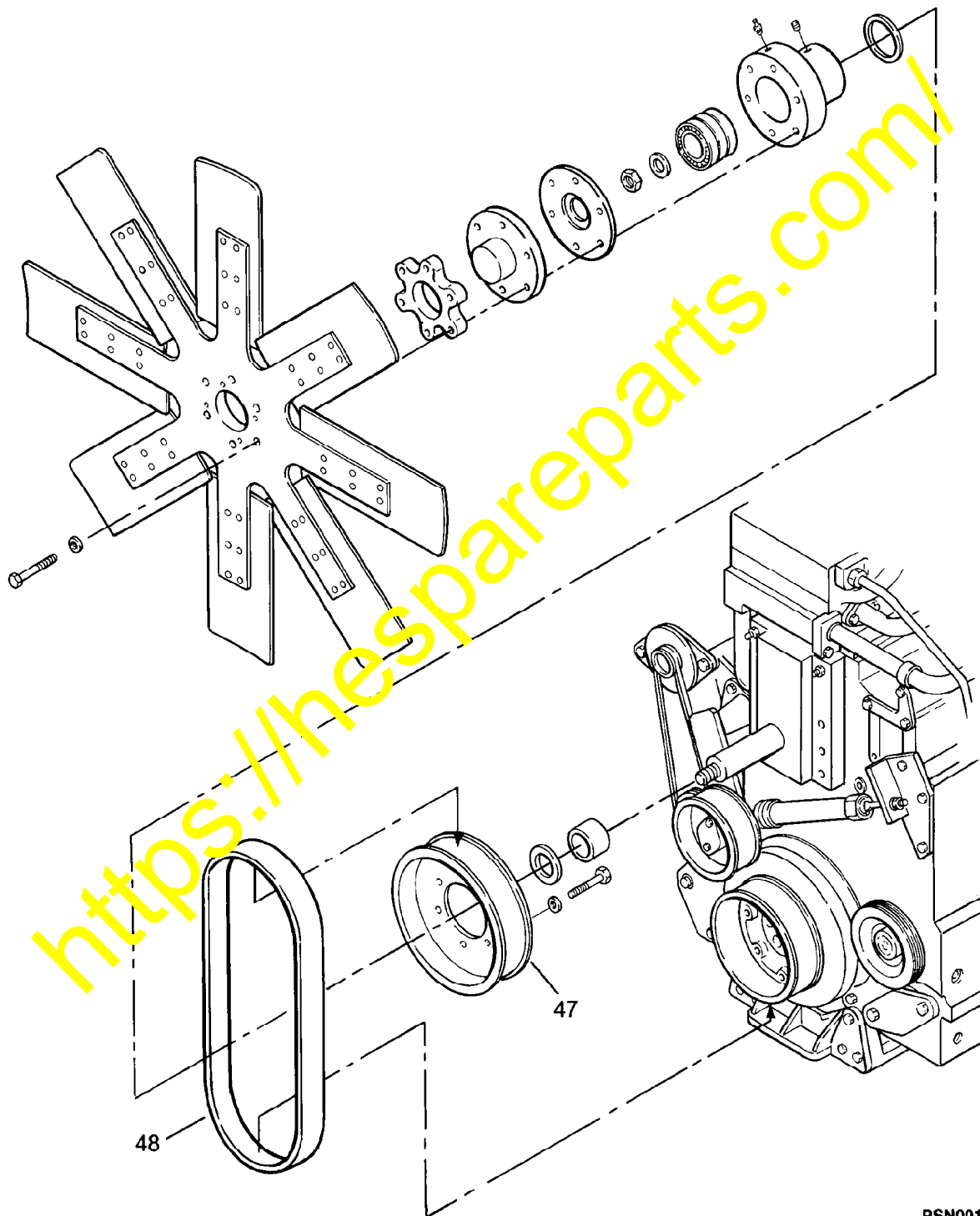
Installation of Expansion Tank and Piping



PSN0010

Removal and installation of engine fan drive pulley and fan belt

1. Remove fan from engine.
2. Remove fan belt.
3. Remove 0.7: 1 ratio drive pulley.
4. Install the new 0.85: 1 ratio fan drive pulley using existing hardware.
5. Install the new fan belt.
6. Reinstall the existing fan onto new fan drive pulley.
7. Adjust fan belt tensioner as shown in the Shop Manual.



PSN0011