

PARTS & SERVICE NEWS

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This **PARTS & SERVICES NEWS** supercedes AA97030 dated March 24, 1997 and should be discarded.

SUBJECT: RADIATOR MOUNTING SYSTEM

PURPOSE: To release Conversion Kit 1436370H91, service parts and installation instructions for the revised radiator mount system. The revised mount system uses rubber bumpers and displaces the support rods.

APPLICATION: GD530A Motor Graders S/N 200840 thru 202738
 GD530AW Motor Graders S/N 200840 thru 202738
 GD650A Motor Graders S/N 200840 thru 202558 (Non-emissionized)
 GD650AW Motor Graders S/N 200840 thru 202558 (Non-emissionized)
 830 Motor Graders S/N 100000 thru 202738
 850 Motor Graders S/N 100000 thru 202558 (Non-emissionized)
 870 Motor Graders S/N 100000 thru 202558 (Non-emissionized)
 A400E, A450E, S450E, A500, A525, A550, A556, A500E, S500E, A560E, S560E, A566E, A600 and A606 Motor Graders, All Serial Numbers

DESCRIPTION:

Introduction:

KIT 1436370H91 CONTAINS THE FOLLOWING:

PART NUMBER	QUANTITY	DESCRIPTION
1431476H1	4	Bumper
127 890 H45	2	Connector
120 214	2	Washer, Lock 5/16
25 520 R1	6	Nut, Hex 5/16 -18
100 132	4	Bolt - 3/8 16 x 1
25 522 R1	4	Nut, Heavy Hex 3/8 - 16
25 724 R1	8	Washer, Flat - 3/8
1436 367 H1	1	Mount, Radiator - L.H.
1436 368 H1	1	Mount, Radiator - R.H.
25 552 R1	16	Washer, Flat - 5/16
DEG 20362	1	Installation Drawing

1. Remove bolts holding radiator support rods and brackets to engine and radiator from each side (see Figure 1).
2. Remove rods and brackets and reinstall lower bolt in radiator on both sides. Tighten to 6-8 lbf ft.
3. If machine is equipment with air conditioning, the left hand bolt used to mount the radiator support rod also secured the A/C bracket to the engine. Replace bolt with an M10 x 25mm bolt (P/N 30020R1) and tighten to 30 lbf ft.

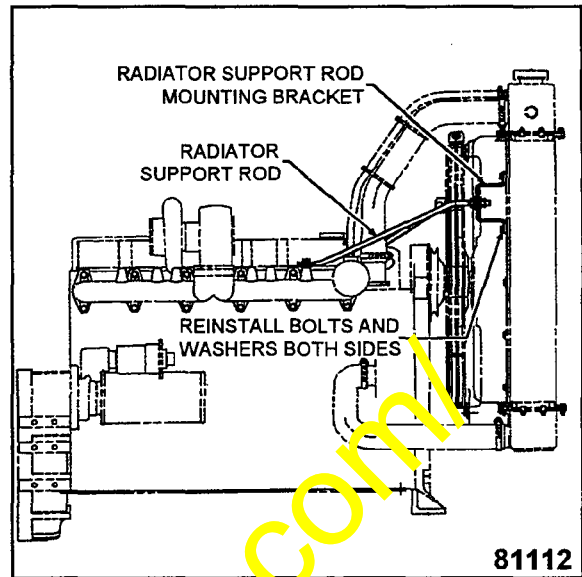


Figure 1

4. Drill two 0.44 diameter holes in each side of front shell weldment as shown in Figure 2.
5. Remove three bolts holding square cover plate on top of front shell weldment. Remove plate and cold start attachment if equipped.

Using an air drill, or similar, spot drill, reach through opening and drill two 0.34 inch holes in the top baffle approximately 1.5 inches above the bend in baffle and located 10 to 16 inches each side of center.

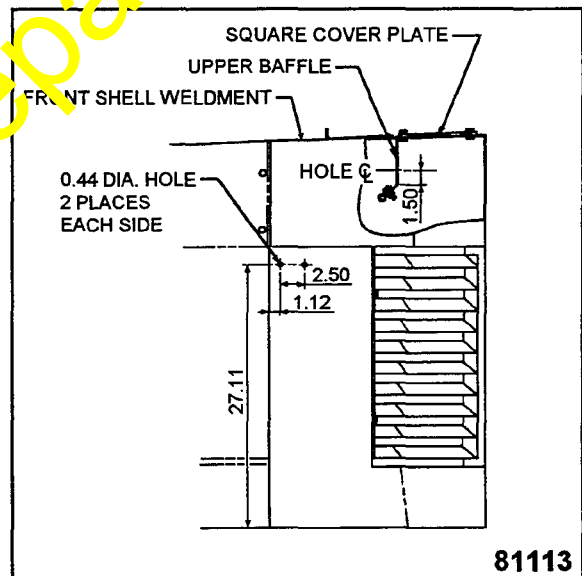


Figure 2

6. Install 1431476H1 conical bumper (1, Figure 3) three 25552R1 flat washers (2), 120214 lock washer, and 25520R1 hex nut (3) in each hold. Tighten to 16 lbf ft.
7. Replace square cover plate and tighten bolts to 28 lbf ft.
8. Install 1431467H1 bumpers (1, Figure 4) in lower hole of 1436367H1 and 1436368H1 flat washer and 25520R1 hex nut. Do not tighten until both sides are assembled.
9. Install 127890H45 connector cushion and one 25552R1 flat washer (3) in top hole of radiator where support rod mounting bracket was removed. Tighten hand tight.
10. Install mounting brackets (2) with two 180122 bolts, four 25724R1 flat washers and two 25522R1 hex nuts (4) to front shell weldment.
11. Install two 25552R1 flat washers to connector cushion before inserting into mounting bracket (2); install 25552R1 flat washer and 25520R1 hex nut (5). Tighten to 16 lbf ft.
12. Adjust bumpers (1) in bracket slot to allow full contact with radiator. Tighten nuts to 16 lbf ft.
13. Tighten mounting bracket nuts (4) to 28 lbf ft.

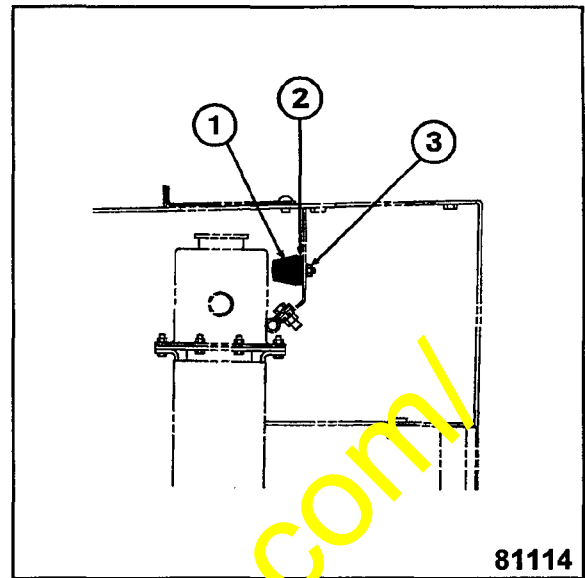


Figure 3

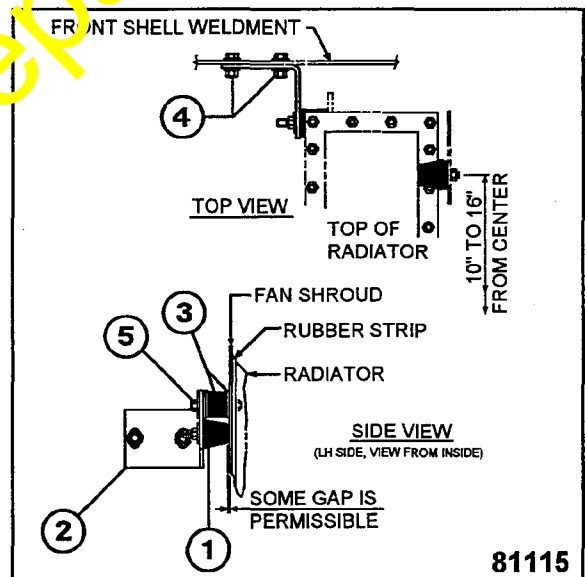


Figure 4

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