

# PARTS & SERVICE NEWS

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Page 1 of 4

**SUBJECT:** ARTICULATION BAFFLE INSTALLATION

**PURPOSE:** To prevent hot recirculated air from entering engine compartment at frame articulation joint. Addition of this kit can add 5-10° additional cooling to engine cooling and/or air conditioning performance.

**APPLICATION:** GD530AW-1 Graders Serial Number 200840 thru 201999  
 GD650AW-1 Graders Serial Number 200840 thru 201999  
 GD670AW-1 Graders Serial Number 200840 thru 201999  
 GD530AW-2 Graders Serial Number 202002 thru 202486  
 GD650AW-2 Graders Serial Number 202002 thru 202486  
 GD670AW-2 Graders Serial Number 202002 thru 202486  
 830 Graders Serial Number 100496 thru 202486  
 850 Graders Serial Number 100477 thru 202486  
 870 Graders Serial Number 100481 thru 202486

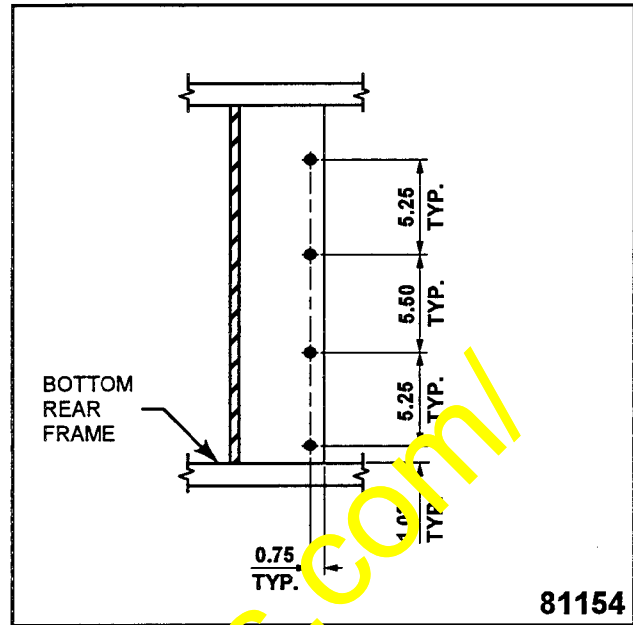
**DESCRIPTION:**

**Introduction:**

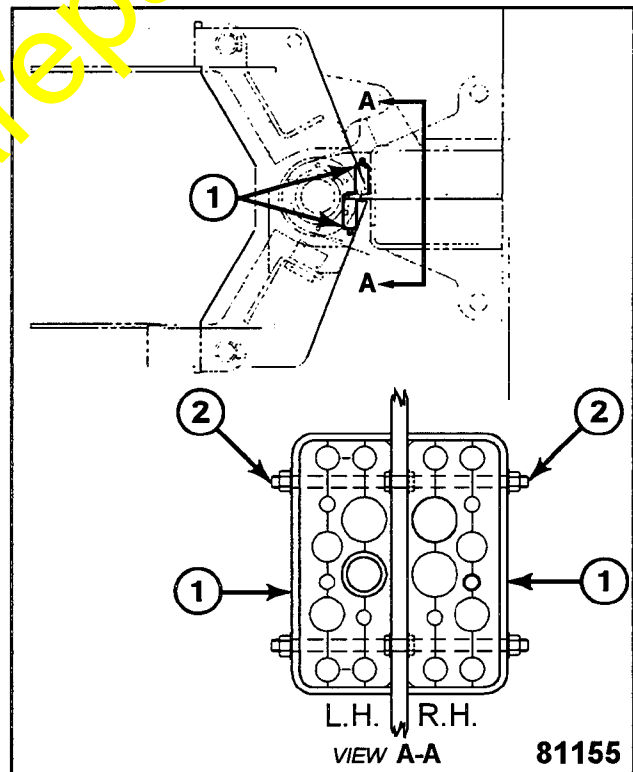
This presents the procedure for installing Articulation Joint Baffles with field kit 1437172H91, which includes the following:

Part Number	Qty.	Description
1436596H91	2	Bracket Assembly
1436642H1	4	Plate
180124	8	Bolt - 3/8-16 x 1 1/4
25709R1	16	Flat Washer - 3/8
1436643H1	2	Rubber Baffle
180126	8	Bolt - 3/8-16 x 1 1/2
120377	8	Hex Nut - Heavy - 3/8-16
1436579H1	2	Air Foam Barrier
DEG20360	1	Reference Drawing

1. Drill holes in support angles of rear frame (6, Figure 4), per dimensions in Figure 1. If this hole pattern can not be obtained, drill upper and lower holes per dimensions given. Locate other two holes in accordance with step 5 of this procedure.



2. Remove and discard existing 1250128H1 hose clamps (1, Figure 2). Retain mounting hardware: 4 - 24846R1 bolts, 8 - 25534R1 flat washers, and 4 - 25522R1 hex nuts (2).



- 3. Mount 1436596H1 brackets (1) as shown in Figure 3. *Note: Left side must be mounted first.* Reposition hoses and 3-piece hose clamp to their original positions; mount bracket with hardware removed in step 1.

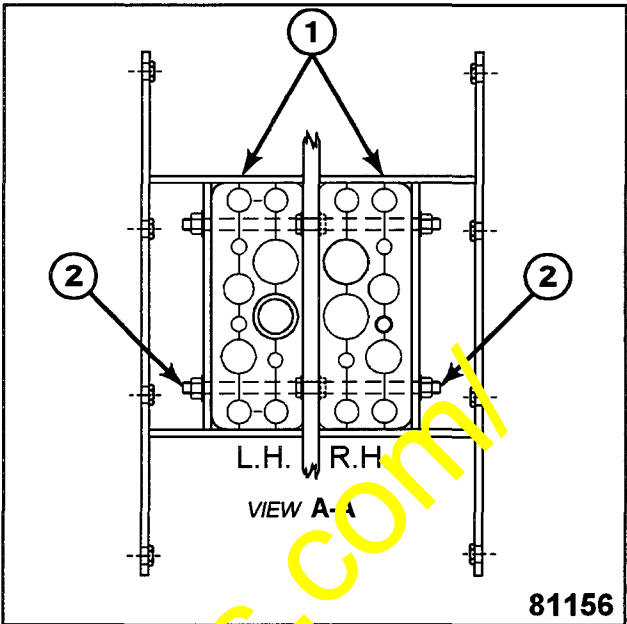


Figure 3

- 4. Mount 1436643H1 rubber baffle (2) to rear frame angle (6), after positioning baffle in frame as shown in Figure 3, with 1 - 1436642H1 plate, 2 - 180126 bolts, 2 - 25709R1 flat washers, and 2 - 120377 hex nuts (7). (Hardware for top and bottom holes only.) If you were able to drill all 4 holes, install remaining 2 bolts, washers, and nuts. If you weren't able to drill other two holes, drill as close as possible thru frame, baffle and mounting plate. Secure with remaining bolts, washers, and nuts. Repeat for other side of machine.

- 5. Mount other end of rubber baffle (2) to 1436596H91 bracket (1) with 1 - 1436642H1 plate (3), 4 - 180124H bolts, and 4 - 25709R1 flat washers (4). Use mounting holes in baffle with 3" edge towards front of machine (5). Repeat for other side of machine.

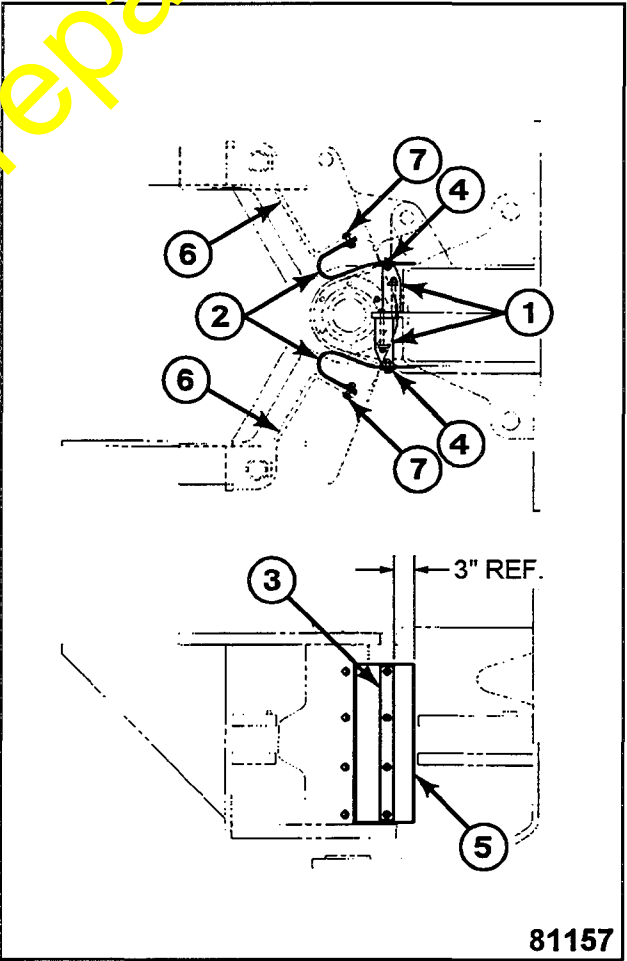


Figure 4

6. Install 1436579H1 foam barrier on right side of machine between frame and front shell. Align foam barriers flush with front surface of shell weldment. To install, compress foam barrier as completely as possible. Quickly remove paper from adhesive side and position in place, adhesive side up (Figure 4). Install air barrier foam on left side of machine as above with adhesive side down.

*For AWD machines, cut foam barriers to length shown.*

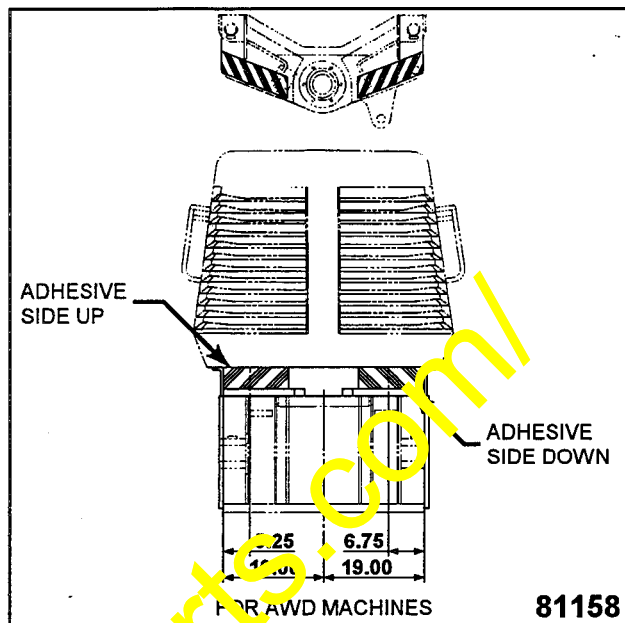


Figure 5