

PARTS & SERVICE NEWS

REF NO. AA02231B

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This Parts & Service News supersedes the previous issuance, AA02231A, dated January 27, 2003. AA02231A should be discarded.

SUBJECT: NEW AIR INTAKE HOSE (FLEX ELBOW)

PURPOSE: To inform the field of a new, improved flex elbow with increased heat resistance and a longer life span.

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
530M: A30001 thru A30038, 32628;
HD1500-5: A30039 thru A30072

FAILURE CODE: 02A1DH

DESCRIPTION: Flex elbow (EK4612) replaces flex elbow (EK2939) and flex elbow (TC2006).

Some trucks in the field may experience cracking of the turbocharger intake flex elbow(s). Refer to Figures 2 & 3 for the location of the elbow(s). Cracking or other related problems can be attributed to heat and multiple removals and installations. Flex elbow (EK2939) was developed for better durability and resistance to heat. EK2939 has since been replaced by EK4612. Both of these elbows are easily identified due to their silver exterior and blue interior. The new EK4612 elbow is approximately 36 mm (1.4 in.) longer to ensure proper engagement for clamping. Refer to Figure 1. It is made from high temperature rubber and comes with an integral heat shield for protection from excessive heat. Flex elbow (EK4612) is a direct replacement for the previous elbows (TC2006) & (EK2939).

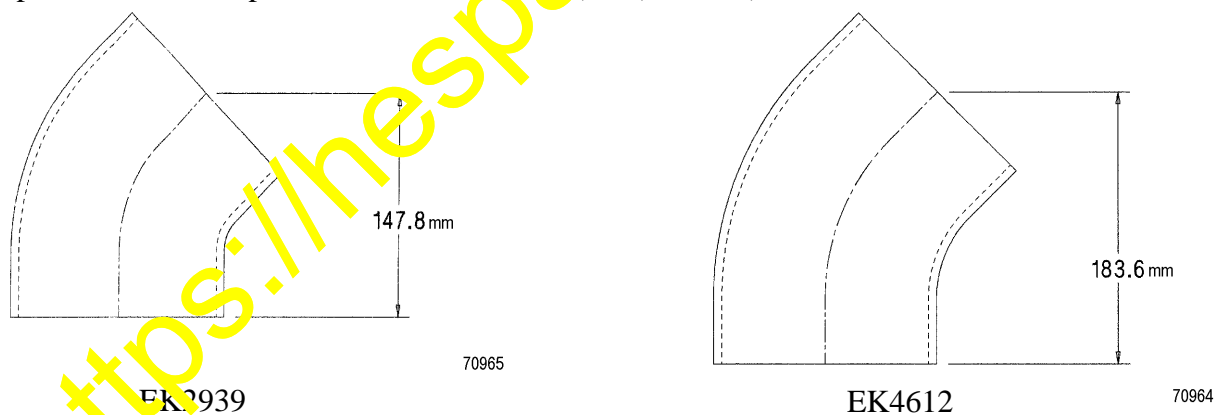
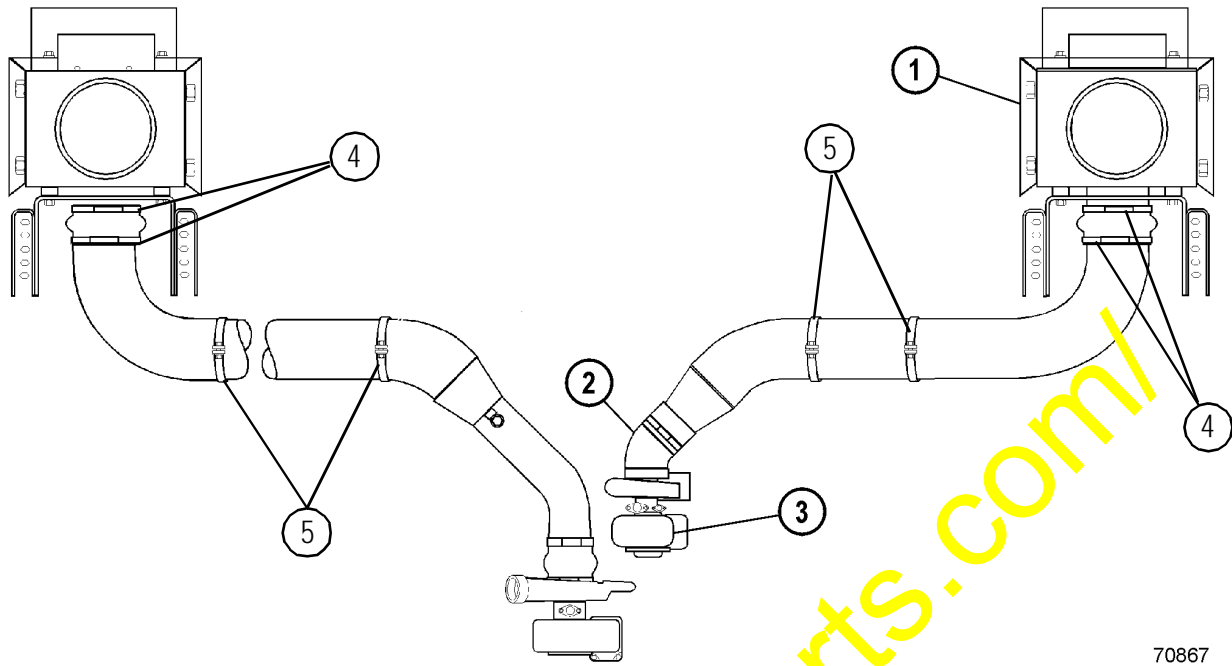


FIGURE 1. ELBOW LENGTH

NOTE: Trucks equipped with Komatsu SDA12V160 or Cummins Q45 engines use two elbows per truck. Trucks equipped with Cummins KTA50 engines only use one elbow.

CAUTION

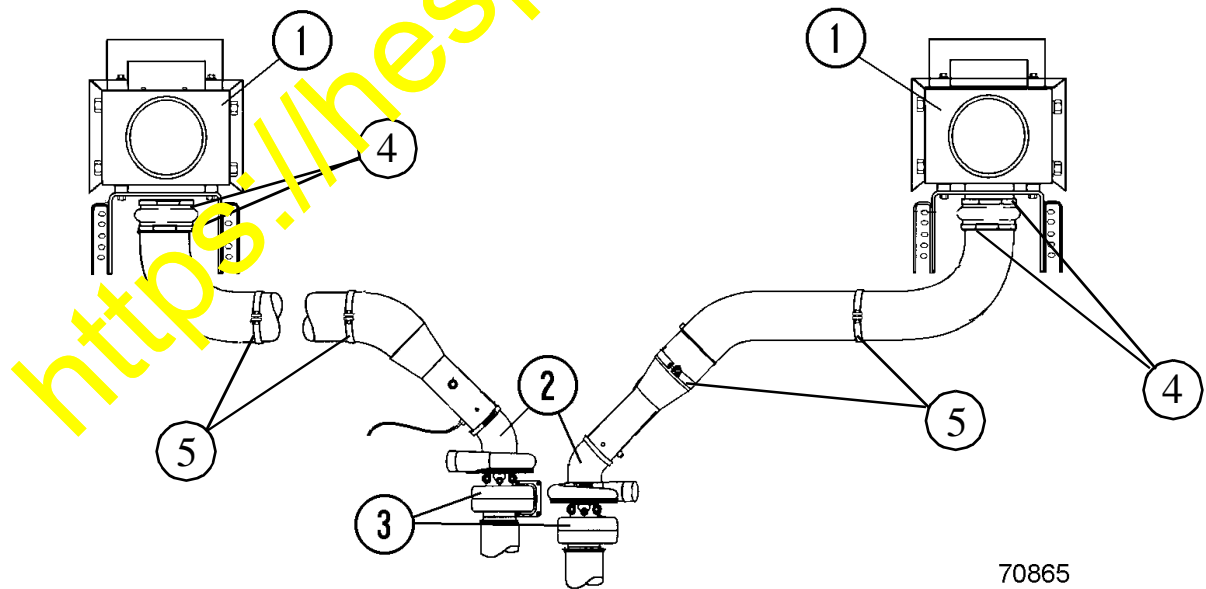
It may be necessary to loosen air cleaner clamps (4, Figures 2 & 3) and support clamps (5, Figures 2 & 3), and adjust the piping as necessary. Alleviate any binding or stress on the intake piping, and check for interference between each tube (1, Figure 4) and mud guard (2) and/or other adjacent components. Ensure all clamps are properly tightened after all adjustments have been completed.



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- 1. Air Cleaner
- 2. Flex Elbow
- 3. Turbocharger
- 4. Air Cleaner Clamps
- 5. Support Clamps

FIGURE 2. AIR INTAKE PIPING, 530M



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- 1. Air Cleaner
- 2. Flex Elbow
- 3. Turbocharger
- 4. Air Cleaner Clamps
- 5. Support Clamps

FIGURE 3. AIR INTAKE PIPING, HD1500-5



1. Air Intake Tube

2. Mud Guard

FIGURE 4. AIR INTAKE TUBE & MUD GUARD