

# PARTS & SERVICE NEWS

REF NO. AA00139

DATE July 14, 2000

(C)

Page 1 of 5

**SUBJECT:** REPAIR OF AIR UNLOADER LINE

**PURPOSE:** To introduce how to repair

**APPLICATION:** HD785-3 Dump Trucks S/N 2001 thru 2224 and A10228 and up  
330M Dump Trucks, S/N Cf24120 and up

**FAILURE CODE:** 45353

**DESCRIPTION:**

The discharge relief valve or unloader valve of the air compressor will get rusty by water content entering into the air circuit, resulting in malfunctioning under some operating conditions, especially in high humidity.

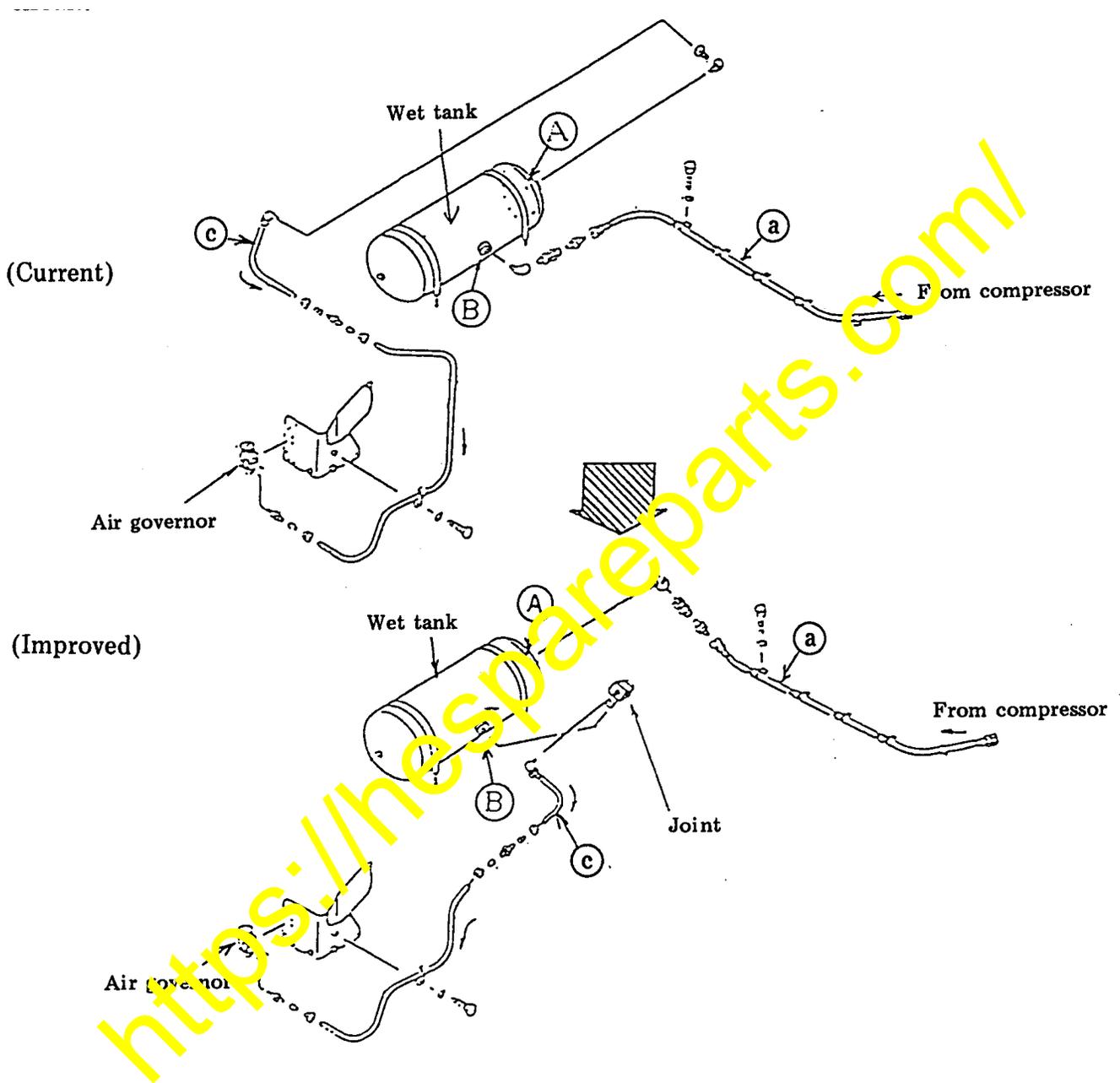
Repair according to the procedure described in this **PARTS & SERVICE NEWS**.

**REPAIR PARTS LIST**

PART NO.	PART NAME	Q'TY	PURPOSE OF PART
566-35-6A110	Joint	1	Addition
285-35-12910 (285-35-12590)	Tee (Tee)	1 (1)	Replacement
285-35-11820	Elbow	1	Addition
07043-70312	Plug	1	
561-35-63240 (582-35-11830)	Tube (Tube)	1 (1)	Replacement
07024-00510	Band	1	Addition
07834-00613 (07836-00513)	Elbow (Connector)	1 (1)	Replacement
502-01-12640	(Joint)	(1)	Disused
565-44-15421	(Joint)	(1)	
(411-44-11670)	(Connector)	(1)	

REPAIR ITEM

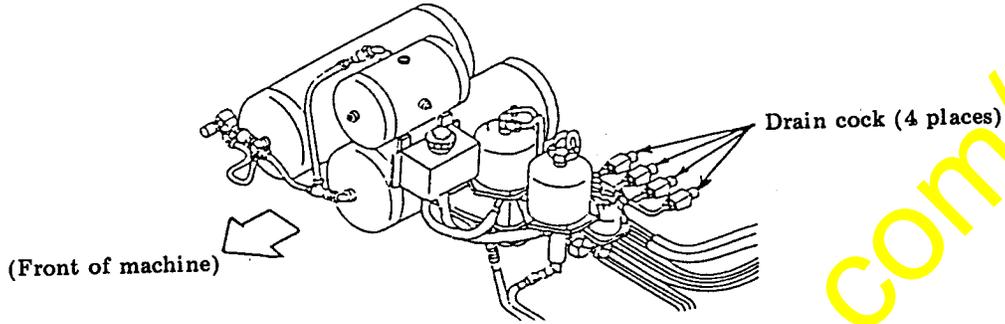
Relocate output port of air tank in the air unload circuit from tank end plate (A) to tank cylinder (B) to improve to prevent water content in the tank from entering into the air unload circuit.



<https://hespareparts.com/>

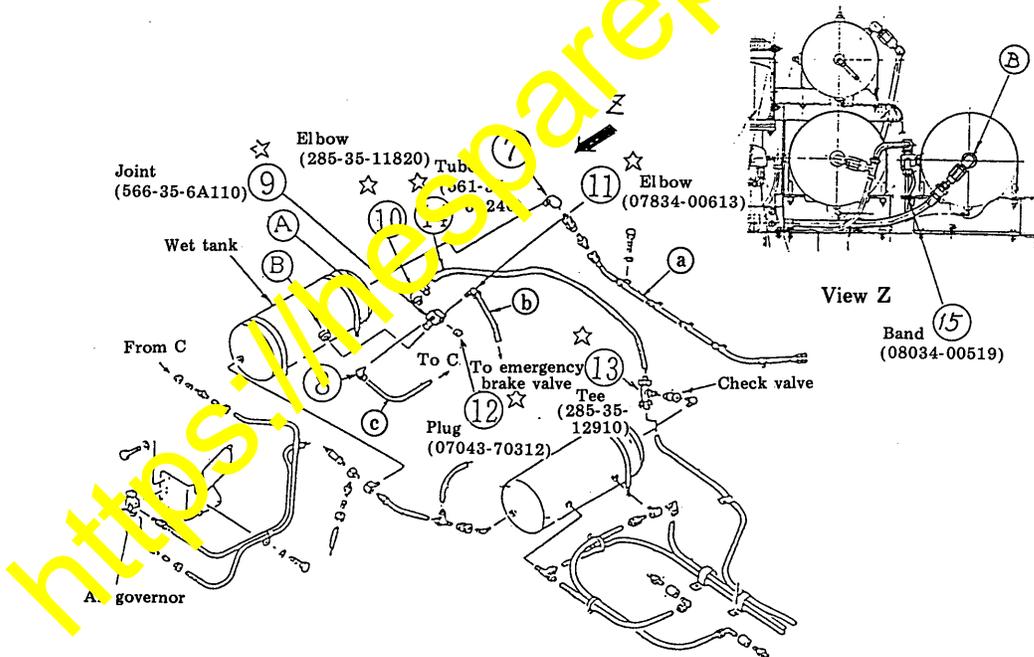
REPAIR PROCEDURE:

- (1) Stip the vehicle on a level and solid ground and place blocks under the tires.
- (2) Pull rings (4 places) of air tank drain cock to relieve all the air.



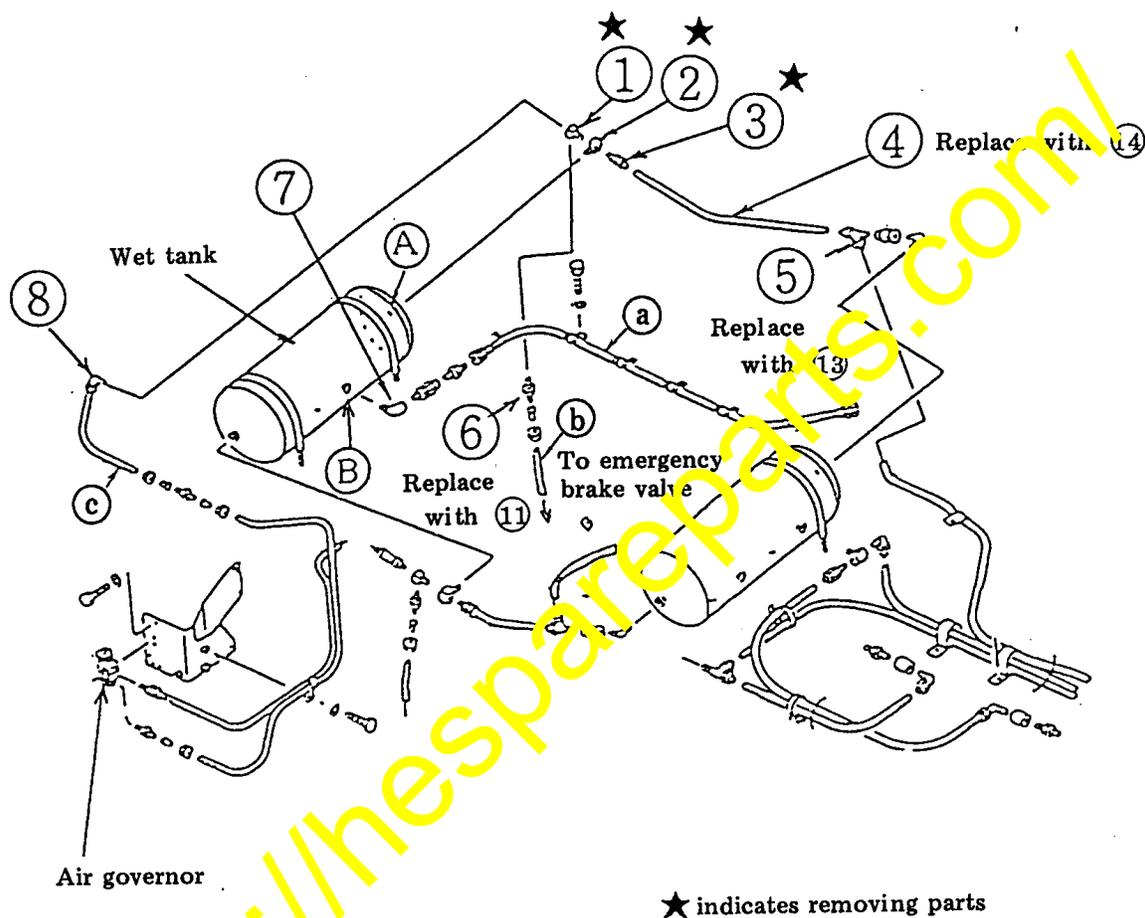
REPLACEMENT METHOD:

Remove parts (1 thru 6) between wet tank at the rear of body and dr / tank.



Install tee (13) to check valve. Relocate elbow (7) fitted on tank "B" to tank "A". Install joint (9) to tank "B" and then install elbows, (8), (10) and (11) and plug (12). Install tube (14) and tubes "a", "b" and "c" removed in (1).

Fasten synflex tubes together using band (15).



#### POST-REPAIR INSPECTION:

**IMPORTANT!** Start the engine to fill air to specified pressure (green range) and stop the engine to check for air leak from repair areas.

Verify that the pressure in air tank will reach specified pressure:

(Governor OFF: 814 kPa (8.3 kg/cm<sup>2</sup>) ON: 686 kPa (7.0 kg/cm<sup>2</sup>)

COMPRESSOR OFF

COMPRESSOR ON

Verify there shall be no interference caused by vibration.