

PARTS & SERVICE NEWS

REF NO.	AA02198
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SUBJECT: CONVERSION KIT FOR PROPULSION SYSTEM AIR CONTACTORS

PURPOSE: To inform the field of an available kit for replacing air-actuated contactors with electro-magnetic contactors on trucks equipped with Statex III.

APPLICATION: Komatsu Electric Drive Dump Trucks:
 445E: AFE41-A & Up;
 510E: AFE40-A & Up, AFE44-A & Up;
 630E: AFE42-A & Up, AFE46-A & Up;
 685E: AFE43-A & Up;
 730E: AFE47-A thru AL, A30079 thru A30122;
 830E: AFE32-A & Up, AFE50-A thru Q, A30544 thru A30599;
equipped with both Statex III and air systems

FAILURE CODE: 0860Z9

DESCRIPTION: Airless Contactor Kit (AK4168)

Trucks equipped with air-actuated P1 & P2 contactors, and reversers can be upgraded with airless actuator devices by using Airless Contactor Kit (AK4168). The P2 contactor on higher horsepower trucks will be eliminated upon installation of the kit. Trucks must be equipped with Statex III, version 12 software or higher, in order to make the conversion.

Converting these propulsion system components gives the truck the potential to become airless. (Other truck systems, such as the starting or automatic lubrication, may still rely on air for operation.) Additional advantages from the conversion include better reliability and reduced maintenance costs.

Detailed instructions for the conversion are included in the kit, as well as a checkout procedure for verifying proper installation. A complete listing of the contents of the kit is listed in Table 1.

TABLE 1. AIRLESS CONTACTOR KIT (AK4168)		
Part Number	Description	Quantity
EG5715	Drawing, Airless Contactor Kit	1
EG5722	Checkout, Feedback Systems	1
PC0220	Airless Contactor Kit	1
EG5716	Plate Structure, Reverser	1
EG5718	Plate Structure, Airless Contactor	1
ED8355	Bus Bar	2
EG5720	Cable Structure	1
PB5430	Insulator, Center Post	6
TR5445	Lockwasher	5
TR6008	Flatwasher	8
TR1376	Capscrew	5
TD0791	Capscrew	4
VC8762	Capscrew	4
TR4436	Flatwasher	12
TC1231	Lockwasher	8
TC1233	Nut	4
C5762	Capscrew	6
VC1390	Lockwasher	6
TR9082	Flatwasher	18
ED3419	Bracket Structure	2
TR6643	Nut	3
EG5724	Bus Bar	2
EG7752	Bar, Insulating	1
EG7753	Bar, Insulating	1
EG7751	Bracket, Insulated	4
WB1102	Capscrew	30
WB1101	Washer, Plastic Spring	30
WB1103	Nut	30
WB0700	Washer	30