



February 5, 1993

Mr. Thomas Murley
Director - Office of Nuclear Reactor Regulation
11555 Rockville Pike
Rockville, Maryland 20852

Subject: Reportable Defect for EMD #8487883 Connecting Rod
Basket Nut

Dear Mr. Murley:

On 2/2/93, MKW received notification from Electro-Motive Division of General Motors Corporation (EMD) of a potential defect with connecting rod basket nuts (EMD #8487883) shipped since February 1992 (see attachment). These nuts may have threads that are not square to the load bearing surface. The suspect nuts can easily be identified by the color of the nylon insert (white or purple). Nuts with red or green nylon inserts are acceptable for use.

We are in the process of reviewing our files to determine the users affected by this notification. When our review is completed, a formal report will be issued.

Yours very truly,

MKW POWER SYSTEMS, INC.

M. Vann Mitchell

M. Vann Mitchell
General Manager - Quality Assurance

MVM:jb

Attachment

190080

IF19
1/1

Parts List No. A07

CONNECTING ROD, BEARINGS, CARRIER, AND PISTON PIN

645E1,E2,E4,E5,E6,E7,E8,E9 Engines

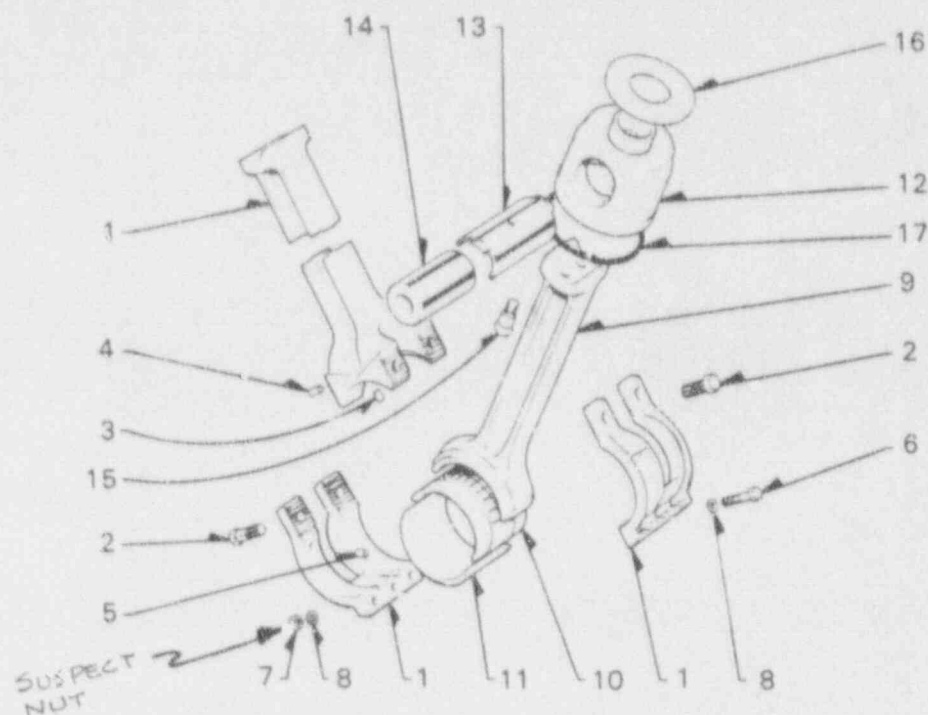


PLATE A07-1

Ref. No.	Part Number	Quantity Required				Description
		A	-	-	-	8-645E1,E2,E4,E5,E6,E7,E8, engines
		B	-	-	-	12-645E1,E2,E4,E5,E6,E7,E8,E9 engines
		C	-	-	-	16-645E1,E2,E4,E5,E6,E7,E8,E9 engines
		D	-	-	-	20-645E4,E5,E7,E9 engines
1	8159354	4	6	8	10	ROD ASM. ... Connecting - Fork - Trunnion type - Includes basket
2	8127868	16	24	32	40	BOLT ASM. ... Hex. head 5/8-18 x 1-3/4 - Includes washer
3	8025990	8	12	16	20	DOWEL ... Upper bearing .5000 dia. x 3/4 long
						8188833 - .001 oversize 8430709 - .008 oversize
						8188834 - .002 oversize 8188835 - .010 oversize
						8430707 - .004 oversize 8385374 - .020 oversize
						8430708 - .006 oversize 8385375 - .030 oversize
4	8031947	4	6	8	10	DOWEL ... Basket to rod .3125 dia. x 13/16 long
5	8029147	4	6	8	10	DOWEL ... Bearing locating .3125 dia. x 9/16 long
6	8259128	12	18	24	30	BOLT ... Hex. head 1/2-20 x 2-3/4
7	8487883	12	18	24	30	NUT ... Lock 1/2-20 hex.
8	8260114	24	36	48	60	WASHER ... Special
9	9544257	4	6	8	10	ROD ... Connecting - Blade - Replaces 8159138
10	8354118	4	6	8	10	BEARING ... Upper - Connecting rod
						8354119 - .031 undersize 8354120 - .062 undersize
11	8136114	4	6	8	10	BEARING ... Lower - Connecting rod
						8137807 - .031 undersize 8137808 - .062 undersize
12	8367800	8	12	16	20	CARRIER ... Piston
13	8341192	8	12	16	-	BEARING ... Insert - Carrier - Bronze lined - 645E1,E2,E6,E8 engines
13	8361565	8	12	16	20	BEARING ... Insert - Carrier - Silver plated - 645E4,E5,E7,E9 engines
13	8463786	-	-	-	20	BEARING ... Insert - Carrier - Silver plated with thick lead overlay - Applicable to MP-45 (20-645E4 engine)
14	8269842	8	12	16	20	PIN ... Piston
15	8159340	16	24	32	40	BOLT ASM. ... Piston pin - Includes spacer
16	8135330	8	12	16	20	WASHER ... Thrust
17	8059699	8	12	16	20	RING ... Snap

+See Parts List A09 for Connecting Rod Hardware Kit 8409745.