



INTEROFFICE MEMORANDUM

TO: Andy Verostic
Brian Fitzgerald
Grant Saviers
RK05 Engineering Staff

DATE: September 19, 1973

FROM: Mac Sloan

DEPT: Disk Engineering

EXT: 3178 LOC: 1-3

SUBJ: PROPOSED RK05 DISK CARTRIDGE CLEANING PROCEDURE

EQUIPMENT

Small Phillips screwdriver, Vaco P-1 or equivalent.

EXPENDABLES

Texwipe pads	29-19557
Kimwipes	Type 900-L (large)
91% Isopropyl alcohol	29-19665

PROCEDURE

Lay cartridge bottom side up on a clean hard surface such as a cleared desk top or table.

NOTE: Cartridge is "tippy" in this position.

Remove the screws that hold the cartridge top and bottom plastics together. Use only enough downward force on the screwdriver to hold the screwdriver in the screw head. Excessive force will strip the plastic's threads.

Pick up the disk by the hub. Don't remove the four screws in the hub holding the clamping ring and filter ring to the disk as this will allow the disk (and data) to move relative to the centering cone of the hub making the data unrecoverable.

Inspect oxide surface for:

"Comet Tail" scratches, a ding mark with a tapering scratch caused by a particle embedded in the disk and knocked out.

"Full Circle" scratches caused by a particle stuck to the head (clean the heads!).

Single spot marks, dings or scratches with no associated circular scratches caused usually by a dimple or bump on the disk or by pushing the air inlet door into the disk surface.

Black (burned) streaks of oxide.

Fingerprints.

NOTE: A large number of small streaks all over a well used disk surface is evidence of normal head-disk interference.

Inspect hub for:

Bent or nicked sector slots in sector ring.

Bent or nicked mating cone or mating ring-plate.

Inspect top plastic for:

Broken clear plastic seal on access door.

Retaining button retracts with opening of access door.

Worn retaining button in center of top.

Access door closes properly.

Signs of rubbing by the disk.

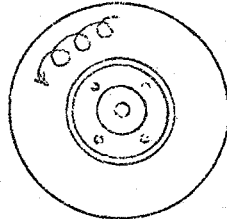
Inspect bottom plastic for:

Broken rivets on air inlet door.

Signs of rubbing by the disk.

Fingerprints on air inlet door.

Lay the disk on a spread-out Kimwipe on desk or table top. With one hand, press down on hub to prevent disk from tipping. With other hand, wipe disk surface with a Texpad or Kimwipe soaked in 91% Isopropyl alcohol. Use only 91% to 100% Isopropyl alcohol. Water, trichloroethylene and other solvents will attack the epoxy binder of the oxide. Wipe with small circular motions as you move around the circumference of the disk.



Wipe dry with a dry Kimwipe before the alcohol evaporates. Do not allow the alcohol to evaporate by itself as this will leave residue spots on the oxide.

Individual shiny spots or streaks on the oxide may be individually rubbed - GENTLY.

DO NOT BEND THE DISK SURFACE BY PRESSING DOWN TOO HARD.

Turn disk over holding by the hub only. DO NOT HANDLE DISK BY THE EDGES as this will deposit finger oils which may be transferred to the oxide surface by further wiping.

Dry lint may be blown off gently by mouth. Do not spit on the disk. Do not use plant air. It's usually full of water and oil. "Canned" air may be used.

Wipe off the insides and outsides of both top and bottom plastics. Do not leave lint. Remove broken portions of clear plastic door seal which might break off in operation.

Reassemble cartridge. Try to find the original threads in the top plastic screw holes by rotating screws backwards 1 or 2 revolutions before driving screw. Use minimum downward force on screwdriver to avoid damaging plastic threads and to avoid generating plastic chips inside the cartridge.

The disk will probably damage the heads if used in the following conditions:

1. The center retaining button shows signs of rubbing on the hub cone of the disk. This generates particles inside the cartridge in operation and allows the disk to rattle around inside the cartridge during handling.
2. The air inlet door is loose or has broken rivets.
3. There are signs of disk rubbing on the insides of the cartridge.
4. The disk has non-removable scratches or dings which stick up above the smooth oxide surface.
5. The disk causes continual "tinging" after the usual short single "ting" on loading.
6. The disk continually deposits oxide on the heads.

NOTE: If known good disks deposit oxide on the heads, the heads may be at fault.

The cartridge may be probably used once, if necessary, to recover critical data but should be discarded or refurbished immediately thereafter or the heads may crash and be destroyed.

Disks have been known to transfer data reliably with aluminum exposed through the oxide. Disks have also been known to crash heads with no visible scratches. The ultimate criteria for a good disk must be: "Does it transfer data and does it leave the heads clean?"

Currently DEC is not in the pack cleaning business and Field Service personnel are not to clean customer's packs except in emergency circumstances. So far DEC has approved one vendor for disk cleaning service.

Precision Methods Incorporated
Atlantic Research Building
Shirley Highway at Edsall Road
Alexandria, VA 22314
703-354-5100

PMI has representatives in several major cities in the US and for Europe. These representatives will come to the customer site, inspect and clean disk cartridges, and provide the customer with a written evaluation of the inspection at \$8.75 per pack.

/bca

4-24-73 38

ENGINEERING
CHANGE ORDER

ORIGINATOR G. Schneider
 TEL EXT 3028 A DATE 4/11/73
 DISC PROJ NO. 59806113
 COST CENTER NO. 379 PS1038

ECO NO. RK05-00036
 SHEET 1 OF 2
 DATE RECEIVED 4-13-73
 FIRST ISSUE
 FINAL ISSUE 4/24/73

PROBLEM A cartridge which has been used extensively may have a flap that has been bent to an extent that upon insertion into the RK05 the cartridge door opener slips underneath the flap and traps the cartridge inside the drive.

UNIT TO BE CHANGED

 DISP CODE 03
 OPTIONS AFFECTED

CORRECTION

1. Change on Cartridge Receiver will hold the Door Opener in a higher position so it cannot slip underneath the flap
Disposition Code: 02. Notify vendor (Titchener) immediately.
2. Retrofit all RK05's in Westfield and Westminster with a piece of rubber sleeve according to sketch below (1200 pcs supplied by Engineering)
Disposition Code: 03
3. If this type of failure occurs in the field retrofit the unit as described under 2.
As a substitute to the IS 06 adhesive almost any kind of epoxy could be used.

RK05


PRODUCT LINES AFFECTED

- DOCUMENTATION AFFECTED**
- MODEL
 - DIAGNOSTICS
 - TECH MANUAL
 - TESTER
 - TEST PROG
 - TOOLING
 - PKG INST
 - ENG SPEC
 - PURCH SPEC

- FIELD SERVICE AFFECTED**
- YES NO
 - Customer Charge
 - Product Line Charge

- TYPE OF CHANGE**
- ELECTRICAL
 - MECHANICAL
 - MODULE
- ORDER PR MODEL
- YES
 - NO

ITEM NO.	DOCUMENT/PART NO.	OLD REV	NEW REV	DISP CODE	DESCRIPTION OF CHANGE
1	E-PS-1210679-0-0	D	E	06	<u>Cartridge Receiver</u> Change 1.15 to .82 \pm .03
2	No number				<u>Rubber Sleeve</u> This item will only be used temporarily. Buy Neoprene Rubber Tube 3/16 I.D. 1/8 wall thickness from: Globe Rubber Works 11 Newbury Street North Quincy, Mass. 02171 Tel. 328-5600

- DISPOSITION CODES**
- 0 - RETURN TO STOCK
 - 01 - (DELETED)
 - 02 - USE PRESENT STOCK UNTIL NEW STOCK AVAILABLE (PHASE IN)
 - 03 - REWORK IMMEDIATELY (RETROFIT)
 - 04 - (DELETED)
 - 05 - (DELETED)
 - 06 - DOCUMENT CORRECTION
 - 07 - NEW ITEM (THIS ASSEMBLY)
 - 08 - NEW ITEM (THIS COMPANY)
 - 09 - SCRAP IMMEDIATELY

APPROVAL SIGNATURES

DESIGN ENGR G. Schneider *(Handwritten Signature)*
 ENG MGR. OF *(Handwritten Signature)*
 FIELD SERVICE (OPT) _____
 CHIEF ENGR (MODULES ONLY) _____

Typewritten Hand Signature

ENGINEERING
CHANGE ORDER

CONTINUATION

SHEET

ECO NO. RK05-0036

SHEET 2 OF 2

DOCUMENT/PART NO.

OLD
REV

NEW
REV

DISP
CODE

DESCRIPTION OF CHANGE

Sleeve to be slit lengthwise and cut into
1.00 \pm .12 inch long pieces.

Fixture to slit and cut pieces has been
given to Stan Purwin, Westfield. Attach
rubber sleeve to horizontal wire of
cartridge receiver into the corner formed
by this wire and one of the longitudinal
rails. Attach it to the side of the
cartridge receiver facing the blower. The
slit of the sleeve has to face downwards.

Apply Loctite IS06 (DEC Part #4901094) and
Adhesive Accelerator (#4901106) to inside
of sleeve.



ENGINEERING CHANGE ORDER

ORIGINATOR G. Schneider 1-3
TEL EXT 3028 DATE 5/2/73
DISC PROJ NO. D9806113
COST CENTER NO. 379

ECO NO. RW05-00037
SHEET 1 OF 2
DATE RECEIVED 5-4-73
FIRST ISSUE 5-4-73
FINAL ISSUE 6/11/73

PROBLEM

The plastic cartridge shells are now produced from several different molds. This requires some changes to the RK05 to assure proper operation with any kind of cartridge.

UNIT TO BE CHANGED

02

DISP CODE 03

OPTIONS AFFECTED

RK05

CORRECTION

See below.

BREAK-IN/EFFECTIVITY

Duckbill Tool at G-W Plastics, Inc. has to be modified. As soon as new pieces are available (approx. 4 weeks) retrofit all RK05's that are in DEC at that point in time. Disposition Code 03.

PRODUCT LINES AFFECTED

Periphera

Cartridge Support Post

Rework all parts presently in stock. New parts to be used at the assembly line no later than May 14, 73. Retrofitting machines that have been assembled before the new parts are available is not necessary. Disposition Code 02.

DOCUMENTATION AFFECTED

- MODEL
- DIAGNOSTICS
- TECH MANUAL
- TESTER
- TEST PROG
- TOOLING
- PKG INST
- ENG SPEC
- PURCH SPEC

Field Service

The cartridge that causes the problem is recognizable by its light grey-greenish color with a contrasting white access door latch. The problem of not being able to insert the cartridge and/or rubbing of the disk inside the shell is not present in all RK05's. It is dependent on the way the cartridge receiver is built and set up. If a customer receives one of these cartridges and has a problem with it, install revised Duckbill 1210744 Rev. B.

FIELD SERVICE AFFECTED

- YES NO
- Customer Charge
- Product Line Charge

Air duct

With the phase-in of the shorter cartridge support post it has to be assured that the finger on the air duct does not exceed the tolerances of Rev B (2.36 ±.020). A change to Fixture, Air duct 9305703 (at the assembly line in Westfield) is necessary.

TYPE OF CHANGE

- ELECTRICAL
 - MECHANICAL
 - MODULE
- ORDER PR MODE
- YES
 - NO

DISPOSITION CODES	APPROVAL SIGNATURES
00 - RETURN TO STOCK 01 - (DELETED) 02 - USE PRESENT STOCK UNTIL NEW STOCK AVAILABLE (PHASE IN) 03 - REWORK IMMEDIATELY (RETROFIT) 04 - (DELETED) 05 - (DELETED) 06 - DOCUMENT CORRECTION 07 - NEW ITEM (THIS ASSEMBLY) 08 - NEW ITEM (THIS COMPANY) 09 - SCRAP IMMEDIATELY	Typewritten _____ Hand Signature <u>G. Schneider</u> DESIGN ENGR G. Schneider ENG MGR (OPT) _____ FIELD SERVICE (OPT) _____ CHIEF ENGR (MODULES ONLY) _____

ITEM NO.	DOCUMENT/PART NO.	OLD REV NEW DISP REV CODE	DESCRIPTION OF CHANGE
1	D-PS-1210744-0-0	A B A	Duckbill Delete .780 ±.010 Add 1.16 Add .928 ±.005 Add Note 4 and 5 Change .15 ±.01 to .112 ±.002 change tolerance on .185 and .130 Cartridge Support Post Change 1.900 to 1.892 Stamp Letter "B" on side of the .85 DIA Airduct
2	E-MD-7409134-0-0	A B A	Change 2.38 to 2.36. Since the mold is producing parts at the low end of the tolerance zone a mold change may not be necessary.
3	D-PS-1210681-0-0	A B A	Change 2.400 to 2.380 Change 2.360 to 2.340 Airduct
4	D-AD-9305703-0-0	A B A	Fixture, Airduct

ENGINEERING CHANGE ORDER	SHEET 2 OF 2 ECO NO. RKAJ-00037 CONTINUATION SHEET 2 OF 2
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FIELD CHANGE ORDER

FCO RK05 - A 0037

PAGE OF

DATA PROCESSING AND DEC-ECO-LOG WILL POST THIS FCO WITH THE LEVEL OF URGENCY CODE REPLACING THE LEADING ZERO.

FIELD EFFECTIVITY
Retrofit all RK05's

*** LEVEL OF URGENCY CODE**

- A MANDATORY - HIGH PRIORITY
- B MANDATORY
- C HIGH PRIORITY IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- D APPLICABLE IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- E PRODUCT IMPROVEMENT - OPTIONAL - LOW PRIORITY

FIELD RETROFIT IS ANTICIPATED IN 100 % OF UNITS DEFINED ABOVE

DISCRETE PROJECT NUMBER
(FOR FIELD SERVICE REPORTING)

~~STANDARD APPLICABILITY~~ - ALL DEC INSTALLATION LABOR AND MATERIAL ARE TO BE REPORTED UNDER A "W" CHARGE CODE.

STANDARD APPLICABILITY - THIS FCO IS TO BE INSTALLED AT NO CHARGE FOR WARRANTY AND MAINTENANCE CONTRACT CUSTOMERS IN ACCORDANCE WITH THE TECHNICAL EFFECTIVITY ABOVE, OTHERWISE AT CUSTOMER EXPENSE.

AVAILABILITY DELAY	NO PARTS
PARTS <u> </u> June, 1973	NO PARTS

DOCUMENTATION \$ PARTS \$ DEC ON-SITE LABOR \$

ESTIMATED DOWN TIME FOR INSTALLATION AND TESTING 1.0 HOURS

DEC'S MINIMUM BILLING APPLIES IF THIS FCO IS INSTALLED BY DEC. THE DEC LABOR CHARGE ASSUMES FCO INSTALLATION DURING REGULAR WORKING HOURS IF INSTALLATION OUTSIDE OF REGULAR WORKING HOURS IS ORDERED. DEC'S LATEST SCHEDULE OF HOURLY RATES WILL APPLY.

SPECIAL TEST EQUIPMENT, TOOLS, OR SUPPLIES

FIELD OFFICE FCO DISTRIBUTION CODE

- F IMMEDIATE FCO DISTRIBUTION TO ALL DEC FIELD OFFICES
- DF IMMEDIATE FCO DISTRIBUTION TO REGIONAL PRODUCT SUPPORT

LAST PREVIOUS FCO'S B034, C033, C026

FCO KIT DISTRIBUTION

RELATED OR PREREQUISITE FCO'S

KITS, AS DEFINED BELOW, MAY BE ORDERED AS REQUIRED.

- MAINDEC CHANGE
- MAINTENANCE MANUAL CHANGE
- OPERATIONAL PROGRAMS AFFECTED

CONTENTS OF AN FSIC INITIATED KIT

FIO	FCO	PRINTS	PARTS

FSIC INITIATED FCO KITS WILL BE DISTRIBUTED FOR ALL UNITS LISTED ON THE EDP CONFIGURATION FILE WITH THE FOLLOWING SERVICE STATUS CODES:

CONTENTS OF A FIELD ORDERED KIT

FIO	FCO	PRINTS	PARTS
	X	X	X

D	H	K	W		
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VERIFICATION MAINDEC'S

INSTALLATION AND TEST PROCEDURES

Following installation of the new hardware, check cartridge receiver alignment; reference page 5-35 of the RK05 Maintenance Manual. When the FCO has been completely installed, and any cartridge receiver alignment corrections have been made, insert a cartridge into the drive. Power-down the drive and rotate the disk manually by using the pulley on the bottom of the spindle assembly. Ensure that there is no scraping or rubbing inside the cartridge, and that the disk platter does not contact the duckbill.

PARTS REQUIRED

- Q1 12-10744 Duckbill
- Q2 74-09134 Cartridge Support Pos
- Q1 12-10681 Air Duct
- Q1 74-09254 Air Duct Gasket

FIELD SERVICE APPROVAL

J. J. Walsh

ask
(x) 5/23 (340/360) 70

DESIGN ENGR G. Schneider ENGR (007) FIELD SERVICE (007) CHIEF ENGR (MODULES ONLY)	00 - RETURN TO STOCK 01 - (DELETED) 02 - USE PRESENT STOCK UNTIL NEW STOCK AVAILABLE (PLEASE IN) 03 - REWORK IMMEDIATELY (RETWORK) 04 - (DELETED) 05 - (DELETED) 06 - DOCUMENT CORRECTION 07 - NEW ITEM (THIS ASSEMBLY) 08 - NEW ITEM (THIS COMPANY) 09 - SPECIAL IMMEDIATELY
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APPROVAL SIGNATURES		DISPOSITION CODES			

ITEM NO.	DOCUMENT/PART NO.	OLD REV CODE	NEW REV CODE	DISP CODE	DESCRIPTION OF CHANGE
1	A-PS-1211384-0-0	-	-	08	TORSION SPRING
2	D-UA-RK05-0-0	D	E	06	DECPACK ASSEMBLY

Call out item #173

Right hand and left hand. New items.

BREAK-IN/EFFECTIVITY

New springs P/N 1211384-00 and 1211384-01 will be available by 1st week of June 1973. As soon as springs are available retrofit all RK05 drives in Westfield. Disposition code 03.

Field Service: Drives in which these problem cartridges are being used may have this problem. There are two solutions if such problems occur.

1. Not to use those cartridges.
2. Retrofit with new torsion springs.

CORRECTION

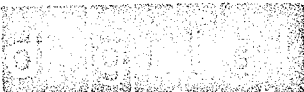
Use two stronger springs P/N 1211384-00 (R.H) and P/N 1211384-01 (L.H) in place of P/N 1210844. RK05

PROBLEM

Cartridge door opener spring, P/N 1210844 is not strong enough to keep the access door open on certain cartridges. RK05

ECO NO. 105-0029 SHEET 1 OF 2 DATE RECEIVED 5-17-73 FIRST ISSUE 5-17-73 FINAL ISSUE 11-17-73	ORIGINATOR N. Venugopal 1-2 TEL EXT 4584 DATE 5/14/73 DISC PROJ NO. D9806113 COST CENTER NO. 379	ENGINEERING CHANGE ORDER
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 ENGINEERING CHANGE ORDER	CONTINUATION SHEET 5281	ECO NO. <u>RK05-00039</u> SHEET <u>2</u> OF <u>2</u>
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ITEM NO.	DOCUMENT/PART NO.	OLD REV	NEW REV	DISP CODE	DESCRIPTION OF CHANGE
3	A-PL-RK05-0-0	D	E	06	<p><u>RK05 PARTS LIST</u></p> <p>Item #43: change P/N to A-PS-1211384-00, torsion spring (right hand).</p> <p>Add item #173 P/N A-PS-1211384-01, torsion spring (left hand). Qty. 1</p>
4	B-00-RK05-0	M	N	06	UPDATE PER THIS ECO



FIELD CHANGE ORDER

FCO RK05-C0039
* PAGE 1 OF 1

DATA PROCESSING AND DEC-ECO-LOG WILL POST THIS FCO WITH THE LEVEL OF URGENCY CODE REPLACING THE LEADING ZERO.

FIELD EFFECTIVITY
Retrofit all RK05's

*** LEVEL OF URGENCY CODE**

- A MANDATORY - HIGH PRIORITY
- B MANDATORY
- C HIGH PRIORITY IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- D APPLICABLE IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- E PRODUCT IMPROVEMENT - OPTIONAL - LOW PRIORITY

FIELD RETROFIT IS ANTICIPATED IN 100 % OF UNITS DEFINED ABOVE

STANDARD APPLICABILITY - ALL DEC INSTALLATION LABOR AND MATERIAL ARE TO BE REPORTED UNDER A "W" CHARGE CODE.

STANDARD APPLICABILITY - THIS FCO IS TO BE INSTALLED AT NO CHARGE FOR WARRANTY AND MAINTENANCE CONTRACT CUSTOMERS IN ACCORDANCE WITH THE TECHNICAL EFFECTIVITY ABOVE, OTHERWISE AT CUSTOMER EXPENSE.

DOCUMENTATION \$ _____ PARTS \$ _____ DEC ON-SITE LABOR \$ _____

DEC'S MINIMUM BILLING APPLIES IF THIS FCO IS INSTALLED BY DEC. THE DEC LABOR CHARGE ASSUMES FCO INSTALLATION DURING REGULAR WORKING HOURS. IF INSTALLATION OUTSIDE OF REGULAR WORKING HOURS IS ORDERED, DEC'S LATEST SCHEDULE OF HOURLY RATES WILL APPLY.

DISCRETE PROJECT NUMBER
 (FOR FIELD SERVICE REPORTING)

AVAILABILITY DELAY	NO PARTS
PARTS <u>None</u>	

ESTIMATED DOWN TIME FOR INSTALLATION AND TESTING 0.5 HOURS

SPECIAL TEST EQUIPMENT, TOOLS, OR SUPPLIES
External Assembly Pliers #29-20709

FIELD OFFICE FCO DISTRIBUTION CODE

- F** IMMEDIATE FCO DISTRIBUTION TO ALL DEC FIELD OFFICES
- DF** IMMEDIATE FCO DISTRIBUTION TO REGIONAL PRODUCT SUPPORT

LAST PREVIOUS FCO'S A037, B034, C033

FCO KIT DISTRIBUTION

RELATED OR PREREQUISITE FCO'S
RK05-A0037

KITS, AS DEFINED BELOW, MAY BE ORDERED AS REQUIRED.

- MAINDEC CHANGE
- MAINTENANCE MANUAL CHANGE
- OPERATIONAL PROGRAMS AFFECTED

CONTENTS OF AN FSIC INITIATED KIT			
FIO	FCO	PRINTS	PARTS

FSIC INITIATED FCO KITS WILL BE DISTRIBUTED FOR ALL UNITS LISTED ON THE EDP CONFIGURATION FILE WITH THE FOLLOWING SERVICE STATUS CODES:

CONTENTS OF A FIELD ORDERED KIT			
FIO	FCO	PRINTS	PARTS
	X	X	X

D	H	K	W			
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VERIFICATION MAINDECS

INSTALLATION AND TEST PROCEDURES

Use external assembly pliers for removal and replacement of retaining ring #90-09098 whenever possible. Two extra retaining rings are included in the parts kit for this FCO.

PARTS REQUIRED

Q1 12-11384-00	Spring, RH
Q1 12-11384-01	Spring, LH
Q2 90-09098	Retaining Ring

NOTES This FCO should be installed immediately in conjunction with FCO RK05-A0037 on all RK05's when symptoms are present. All other RK05's should be updated on the next service or PM call.

FIELD SERVICE APPROVAL

J.J. Walsh

AK

(x) 6-19 (400/250) 65



ENGINEERING
CHANGE ORDER

ORIGINATOR Nott Venugopal 1-3
TEL EXT 4584 DATE 7/11/73
DISC PROJ NO. D98A06113
COST CENTER NO. 379
5473

ECO NO. DRA-00036-1
SHEET 1 OF 1
DATE RECEIVED 7-25-73
FIRST ISSUE 7-25-73
FINAL ISSUE 7-25-73

PROBLEM This is a modification of ECO RK05-00036. On the earlier ECO one rubber sleeve was added to the cartridge receiver as a temporary solution. The final solution was a change on the cartridge receiver. Since the proposed change on the cartridge receiver is not practical this ECO makes the rubber sleeve a permanent solution (new part number). Also, two sleeves are used now. The change on the cartridge receiver (E-PS-1210679-0-0) of ECO RK05-00036 will be reversed to the previous state. That is Rev. "F" is same as Rev. "D". Rev. "E" not implemented.
NOTE: There are no cartridge receivers of REV. "E" ever produced and no tooling change was made. P.O. for tooling change has to be cancelled. (Lee Goodbar)

UNIT TO BE CHANGE

RK05

DISP CODE 03
OPTIONS AFFECTED

RK05

BREAK-IN/EFFECTIVITY 1. Add two rubber sleeves to cartridge receivers in Westfield and Westminster immediately. 2. The introduction of the two stiff torsion springs (ECO-RK05-39) makes it necessary to have a sleeve on both sides of the cartridge receiver. When retrofitting drive to ECO-RK05-39 add second sleeve to cartridge receiver.

PRODUCT LINES AFFECTED

Peripherals

DOCUMENTATION AFFECTED

- MODEL
- DIAGNOSTICS
- TECH MANUAL
- TESTER
- TEST PROG
- TOOLING
- PKG INST
- ENG SPEC
- PURCH SPEC

FIELD SERVICE AFFECTED

- YES NO
- Customer Charge
- Product Line Change

TYPE OF CHANGE

- ELECTRICAL
- MECHANICAL
- MODULE

ORDER PR MODE

- YES
- NO

ITEM NO.	DOCUMENT/PART NO.	OLD REV	NEW REV	DISP CODE	DESCRIPTION OF CHANGE
1	D-UA-RK05-0-0	E	F	06	DECpack Assembly Call out items 174, 171, and 161 on sheet 3 as shown in marked up print.
2	A-PL-RK05-0-0	E	F	06	DECpack Assv. Parts List Add item #174, rubber sleeve P/N B-MD-7411271 qty. 2. See marked up print.
3.	E-PS-1210679-0-0	E	F	06	Cartridge Receiver Change dimension .82 to 1.15.
4	B-MD-7411271-0-0			08	New item.
5	B-DA-RK05-0	F	R	06	REVISE PER THIS ECO

DISPOSITION CODES

- 00 -- RETURN TO STOCK
- 01 -- (DELETED)
- 02 -- USE PRESENT STOCK UNTIL NEW STOCK AVAILABLE (PHASE IN)
- 03 -- REWORK IMMEDIATELY (RETROFIT)
- 04 -- (DELETED)
- 05 -- (DELETED)
- 06 -- DOCUMENT CORRECTION
- 07 -- NEW ITEM (THIS ASSEMBLY)
- 08 -- NEW ITEM (THIS COMPANY)
- 09 -- SCRAP IMMEDIATELY

APPROVAL SIGNATURES

DESIGN ENGR G. Schneider 1-3
ENG MGR (OPT) _____
FIELD SERVICE (OPT) _____
CHIEF ENGR (MODULES ONLY) _____



FIELD CHANGE ORDER

FCO RK05-B0041 *
PAGE 1 OF 2

DATA PROCESSING AND DEC-ECO-LOG WILL POST THIS FCO WITH THE LEVEL OF URGENCY CODE REPLACING THE LEADING ZERO.

FIELD EFFECTIVITY
Retrofit all RK05's at next scheduled PM

*** LEVEL OF URGENCY CODE**

- A MANDATORY - HIGH PRIORITY
- B MANDATORY
- C HIGH PRIORITY IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- D APPLICABLE IF SPECIFIC HARDWARE, SOFTWARE, OR SYMPTOMS ARE PRESENT
- E PRODUCT IMPROVEMENT - OPTIONAL - LOW PRIORITY

FIELD RETROFIT IS ANTICIPATED IN 100% OF UNITS DEFINED ABOVE

DISCRETE PROJECT NUMBER
(FOR FIELD SERVICE REPORTING)

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AVAILABILITY DELAY	NO PARTS
PARTS <u>None</u>	

DOCUMENTATION \$ _____ PARTS \$ _____ DEC ON-SITE LABOR \$ _____

DEC'S MINIMUM BILLING APPLIES IF THIS FCO IS INSTALLED BY DEC. THE DEC LABOR CHARGE ASSUMES FCO INSTALLATION DURING REGULAR WORKING HOURS IF INSTALLATION OUTSIDE OF REGULAR WORKING HOURS IS ORDERED. DEC'S LATEST SCHEDULE OF HOURLY RATES WILL APPLY.

ESTIMATED DOWN TIME FOR INSTALLATION AND TESTING 0.5 HOURS

SPECIAL TEST EQUIPMENT, TOOLS, OR SUPPLIES

FIELD OFFICE FCO DISTRIBUTION CODE

- F IMMEDIATE FCO DISTRIBUTION TO ALL DEC FIELD OFFICES
- DF IMMEDIATE FCO DISTRIBUTION TO REGIONAL PRODUCT SUPPORT

LAST PREVIOUS FCO'S C039, A037, B036

FCO KIT DISTRIBUTION

RELATED OR PREREQUISITE FCO'S
C039, A037, B036

KITS, AS DEFINED BELOW, MAY BE ORDERED AS REQUIRED.

- MAINTDEC CHANGE
- MAINTENANCE MANUAL CHANGE
- OPERATIONAL PROGRAMS AFFECTED

CONTENTS OF AN FSIC INITIATED KIT

FIO	FCO	PRINTS	PARTS

FSIC INITIATED FCO KITS WILL BE DISTRIBUTED FOR ALL UNITS LISTED ON THE EDP CONFIGURATION FILE WITH THE FOLLOWING SERVICE STATUS CODES:

CONTENTS OF A FIELD ORDERED KIT

FIO	FCO	PRINTS	PARTS
	X	X	X

D	H	K	W			
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VERIFICATION MAINDECS

INSTALLATION AND TEST PROCEDURES

The rubber sleeves are to be installed on the cartridge receiver at the points where the access door opener rests upon it.
(see illustration on FCO Page 2)

PARTS REQUIRED
Q2* 74-11271 Rubber Sleeve

NOTES * An extra sleeve is included in the FCO Parts Kit for use in the event that FCO RK05-B0036 has not been implemented.

FIELD SERVICE APPROVAL

W. Linton

W. Linton F902
(x) 8-10 (400/1100) 150



FIELD CHANGE ORDER

FCO RK05 - B 0041

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FCO INSTALLATION AND TEST PROCEDURE

