

**TECHNICAL BULLETIN**  
**Bell Helicopter** **TEXTRON**

A Subsidiary of Textron Inc.

No. 214ST-99-162

Date 11-19-99

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DATE
REV

**MODEL AFFECTED:** 214ST

**SUBJECT:** INTRODUCTION OF P/N 214-030-626-103 CLEVIS AND P/N 214-031-601-129 RESTRAINT ASSEMBLY; AND, MODIFICATION OF P/N 214-030-626-101 CLEVIS

**HELICOPTERS AFFECTED:** 214ST Helicopters s/n 28101 thru 28200

**COMPLIANCE:** At customer's option

**DESCRIPTION:**

BHT has received reports of damage sustained by the P/N 214-031-608 Stop Assembly due to rotational contact of the P/N 214-030-626-101 Clevis about the stop assembly bearing. As a result, P/N 214-031-601-129 Restraint Assembly has been developed which incorporates a new P/N 214-030-626-103 Clevis Assembly. The P/N 214-030-626-103 Clevis Assembly is similar to the -101 Clevis except for the addition of rubber washers bonded to the inside surface of the clevis ears. These washers protect both the clevis and the stop from damage due to rotation about the stop assembly bearing.

Existing P/N 214-031-601-107 Restraint Assemblies and P/N 214-030-626-101 Clevises may be reworked to the new configuration.

**APPROVAL:**

The engineering design aspects of this bulletin are FAA/DER approved.

**MANPOWER:**

Approximately 3.0 man-hours will be required to accomplish the rework portion of this bulletin per helicopter.

Man-hours are based on "hands-on-time." Elapsed time to accomplish the required maintenance task may vary due to manpower and facilities available to the operator.

**MATERIALS:**

**Required Material:**

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
222-030-535-113	Pad	4

**Consumable Material:**

The following material is required to accomplish the bulletin, however this material is considered consumable (bench stock) material and may not require ordering depending on the operators consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
299-947-107 TY3 CL6	Adhesive	1
MB 1159 BLACK	Ink	1

**SPECIAL TOOLS:**

None

**WEIGHT AND BALANCE:**

Not Affected

**ELECTRICAL LOAD DATA:**

Not Affected

**REFERENCES:**

BHT-214ST-MM, Chapter 63.  
BHT-214ST-IPB, Chapter 63.  
BHT-ALL-SPM, Chapter 7.

**PUBLICATIONS AFFECTED:**

BHT-214ST-MM, Chapter 63  
BHT-214ST-IPB, Chapter 63.

**ACCOMPLISHMENT INSTRUCTIONS:**

**- NOTE -**

P/N 214-031-601-107 Restraint Assembly consists of P/N 214-030-626-101 Clevis and P/N 214-031-612-111/-115 Restraint.

P/N 214-031-601-129 Restraint Assembly consists of P/N 214-030-626-103 Clevis and P/N 214-031-612-111/-115 Restraint.

Existing P/N 214-031-601-107 Restraint Assemblies may be reworked into -129 Assemblies as described below.

1. Remove the P/N 214-031-601-107 Restraint Assembly from the helicopter. Refer to 214ST Maintenance Manual, Chapter 63.

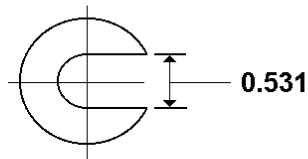
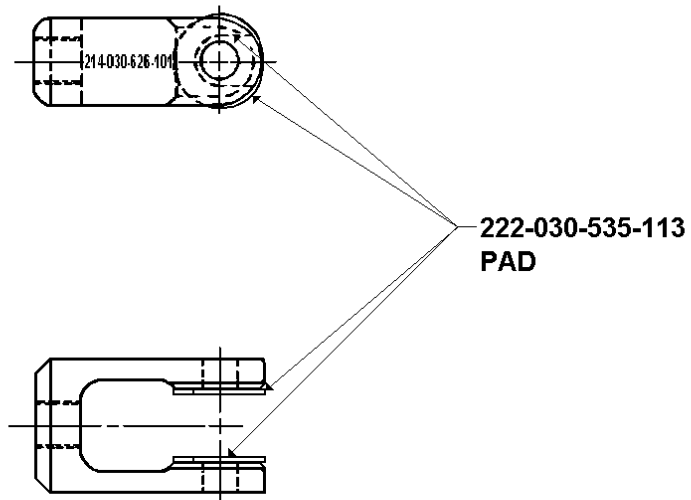
**- NOTE -**

The following procedure may be accomplished with the P/N 214-030-626-101 Clevis either installed or removed from the restraint.

2. Inspect the P/N 214-031-626-101 Clevis for damage as noted in the 214ST Maintenance Manual, Chapter 63. Clevises with damage beyond manual limits must be replaced.
3. Trim away one side of the P/N 222-030-535-113 Pads as noted in Figure 1.
4. Refer to BHT-ALL-SPM, Chapter 7, and prepare the faying surfaces between the P/N 222-030-535-113 Pads and the P/N 214-030-626-101 Clevis ears for bonding.
5. Bond one P/N 222-030-535-113 Pad to the inner surface of each ear on the P/N 214-030-626-101 Clevis per BHT-ALL-SRM, Chapter 7. Ensure the pads are located such that the trimmed portion faces away from the restraint. Allow to cure.
6. Reinstall Clevis Assembly on the P/N 214-031-612 Restraint per 214ST Maintenance Manual, Chapter 63.
7. At a convenient location on the P/N 214-031-612 Restraint body, clean the surface to remove oils and dirt and reidentify the assembly as P/N 214-031-601-129 with black indelible metal marking ink.

8. Reinstall the P/N 214-031-601-129 Restraint Assembly on the helicopter per 214ST Maintenance Manual, Chapter 63.

- NOTES: 1. DRAWING NOT TO SCALE.  
2. CLEVIS SHOWN REMOVED FROM P/N 214-031-612 RESTRAINT. REWORK MAY BE ACCOMPLISHED WITHOUT REMOVAL FROM RESTRAINT IF DESIRED.  
3. TRIM P/N 222-030-535-113 PAD AS SHOWN PRIOR TO INSTALLATION.  
4. BOND -113 PAD TO CLEVIS USING ADHESIVE P/N 299-947-107 TYIII CL6 PER BHT-ALL-SRM, CHAPTER 7. TRIMMED PORTION OF PAD TO FACE AWAY FROM RESTRAINT.  
5. ALL DIMENSIONS IN INCHES.



**222-030-535-113 DETAIL**  
TRIM AS SHOWN PRIOR TO  
INSTALLATION

**FIGURE 1**  
REWORK OF P/N 214-030-626-101 CLEVIS