

**MICROWAVE ANTENNAS**  
**KS-15676 HORN-REFLECTOR AND WAVEGUIDE SYSTEM**  
**MAINTENANCE**  
**SQUARE RESTRAINER, HOOD, COMPENSATOR, TRANSDUCER**  
**AND 11A DIRECTIONAL COUPLER**

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**1. GENERAL**

1.01 This section outlines the maintenance methods to be employed to repair damage to, or correct malfunction of, the P-36B330 square restrainer assemblies; P-36B351 hood assembly; ED-59410-70, Group 1 transducer; ED-59455-70, Group 1 Axial Ratio Compensator Assembly and 11A Directional Coupler.

**2. MAINTENANCE**

**P-36B330 Square Restrainer Assemblies and P-36B343 Restrainer Plate**

2.01 Tighten loose nuts and bolts.

2.02 If the square restrainer and/or restrainer plate is damaged to an extent that will in any way impair its function in the waveguide system, it shall be replaced in accordance with Section 402-421-203. If the P-36B343 restrainer plate is not damaged, and it is not necessary to remove it, retuning of the system should not be necessary. If the restrainer plate is disturbed or removed, reassemble in accordance with Section 402-421-203 and align per Section 402-421-206 or -207.

**P-36B351 Hood Assembly**

2.03 If the neoprene hood assembly is damaged, it shall be replaced and installed in accordance with Section 402-421-203.

**ED-59410-70, Group 1 Transducer**

2.04 Tighten loose nuts and bolts in accordance with Section 402-421-203.

2.05 If the transducer has been damaged to an extent that impairs its function in the waveguide system, it shall be replaced in accordance with Section 402-421-203. Replacing the transducer will require electrical alignment of the system in accordance with Section 402-421-206.

**ED-59455-70, Group 1 Axial Ratio Compensator Assembly**

2.06 Tighten loose nuts and bolts in accordance with Section 402-421-203.

2.07 If the axial ratio compensator has been damaged to the extent that impairs its function in the waveguide system, it shall be replaced. Replacing the axial ratio compensator will require electrical alignment of the system in accordance with Section 402-421-206 or -207.

**11A Directional Coupler**

2.08 Tighten loose nuts and bolts in accordance with Section 402-421-203.

2.09 If the 11A directional coupler has been damaged to an extent that impairs its function in the waveguide system, it shall be replaced. Replacing the 11A directional coupler will require electrical alignment of the system in accordance with Section 402-421-207.