Title  VHF ANTENNA INSTALLATION

MODELS AFFECTED
All Single Engine Models
337 - T337

SERIALS AFFECTED
All 1969 Serials & on
All 1969 Serials & on

NOTES

1. Coaxial cable supplied is for the longest installation and may be cut to length as required.

2. Install antenna in accordance with appropriate sheet of figure 1.

3. For alternate (second) antenna installation on model
337 aircraft, the following parts are required and may be ordered from Cessna Service Parts Center.

QTY  PART NO.  NOMENCLATURE
1     1570014-3  Doubler Assembly
1     1470083-3  Stiffener

PARTS LIST:

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>PART NUMBER</th>
<th>NOMENCLATURE</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>C598501-0102</td>
<td>Antenna</td>
</tr>
<tr>
<td>4</td>
<td>AN509-8R9</td>
<td>Screw</td>
</tr>
<tr>
<td>4</td>
<td>NAS679A08</td>
<td>Nut</td>
</tr>
<tr>
<td>4</td>
<td>AN938A8</td>
<td>Washer</td>
</tr>
<tr>
<td>1</td>
<td>1270475-270</td>
<td>Cable Assembly</td>
</tr>
<tr>
<td>1</td>
<td>S1151-1</td>
<td>Clamp</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Installation Instructions</td>
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</tbody>
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CHANGE IN WEIGHT AND BALANCE:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>150</th>
<th>177</th>
<th>188</th>
<th>172, 180, 182, 185, 206, 207, &amp; 210</th>
<th>337 Fwd</th>
<th>337 Aft</th>
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<tbody>
<tr>
<td>WEIGHT INCREASE (pounds)</td>
<td>0.8</td>
<td>0.8</td>
<td>0.9</td>
<td>0.8</td>
<td>0.7</td>
<td>1.3</td>
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<tr>
<td>ARM (inches)</td>
<td>47.5</td>
<td>110.9</td>
<td>127.6</td>
<td>53.5</td>
<td>132.5</td>
<td>143.5</td>
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<tr>
<td>RESULTANT MOMENT (pound-inches)</td>
<td>38.0</td>
<td>89.0</td>
<td>115.0</td>
<td>43.0</td>
<td>93.0</td>
<td>187.0</td>
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<tr>
<td>INDEX</td>
<td>0.038</td>
<td>0.089</td>
<td>0.115</td>
<td>0.043</td>
<td>0.093</td>
<td>0.187</td>
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1 of 7
**Figure 1. VHF Antenna Installation (Sheet 1 of 6)**
1. BEFORE INSTALLING ANTENNA - CLEAN AREA AROUND SCREW HOLES ON INSIDE OF FUSELAGE TO ENSURE GOOD ELECTRICAL CONTACT.

2. 1270475-270 CABLE ASSEMBLY (NOT SHOWN) ROUTES THRU EXISTING HOLES IN SPAR AND WING ROOT RIB TO FWD DOORPOST AND DOWN UNDER INSTRUMENT PANEL. CONCEAL UNDER TRIM AND UPHOLSTERY.

3. L.H. INSTALLATION SHOWN, R.H. SIMILAR.

MODEL 210

Figure 1. VHF Antenna Installation (Sheet 2 of 6)
C598501-0102
ANTENNA
1 REQD

AN509-8R9 SCREW
4 REQD

STA. 131.26

1/16 (.062) HOLE
1 REQD
(TO MATCH DOUBLER)

STA. 161.56

11/64 (.171) HOLE
4 REQD
(BACKDRILL TO MATCH NUTPLATES)

ALTERNATE LOCATION
(REFER TO FIGURE 1, SHEET 5)

STANDARD LOCATION

INSTALL CONNECTOR SUPPLIED WITH RADIO TO THIS END OF CABLE

1/4" (.250) HOLE
S1151-1 CLAMP
1 EACH REQD

1270475-270 CABLE ASSEMBLY
1 REQD

ROUTE THROUGH LIGHTENING HOLE. PROTECT AS REQD TO PREVENT CHAFING, TIE INTO EXISTING WIRE BUNDLES WHERE PRACTICAL.

MODEL 337

Figure 1. VHF Antenna Installation (Sheet 3 of 6)
1. CLEAN AREA AROUND SCREW HOLES ON INSIDE OF FUSELAGE TO ENSURE GOOD ELECTRICAL CONTACT.

2. 1270475-270 CABLE ASSEMBLY (NOT SHOWN) ROUTES ALONG TUBING STRUCTURE ON RIGHT SIDE OF FUSELAGE AND THRU STA. 111.00 BULKHEAD TO ANTENNA LOCATION, SECURE TO TUBING STRUCTURE.
MODEL 207

NOTE: CLEAN AREA AROUND SCREW HOLES ON INSIDE OF FUSELAGE TO ENSURE GOOD ELECTRICAL CONTACT.

INSTALL CONNECTOR SUPPLIED WITH RADIO TO THIS END OF CABLE

ROUTE WITH WIRE BUNDLE THRU EXISTING GROMMET & HARNESS BANDS (USE ADDITIONAL SUPPORT AS REQD TO PREVENT CHAFING OF WIRES)

Figure 1. VHF Antenna Installation (Sheet 6 of 6)