PURPOSE
To receive coarse (360° SV) maglip inputs from an aerial and to retransmit coarse (360° SV) maglip signals.

BRIEF DESCRIPTION
The Data Bearing Transmitter is a servo operated unit which accepts a single coarse transmission of bearing data and provides two retransmission outputs, coarse (360° SV) at 1100 Hz and coarse (360° SV) at 400 Hz from two control transmitters. For testing purposes, signal inputs can be accepted from the dummy director or maglip alignment test set, and internal circuitry can provide a signal to drive the servo system to the zero lined up position.

MAJOR UNITS
Cabinet Electrical Equipment Gear Assembly comprising:
NSN 6110-99-972-1270 Servo Mechanism Control
23CX46 Control Transmitter (2 in number)

PHYSICAL DATA

<table>
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<tr>
<th>Height</th>
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<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.0 cm</td>
<td>36.8 cm</td>
<td>39 cm</td>
<td>29 kg</td>
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<tr>
<td>(13 in)</td>
<td>(14.5 in)</td>
<td>(15.5 in)</td>
<td>(64 lb)</td>
</tr>
</tbody>
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POWER REQUIREMENTS
115 V 400 Hz for Amplifying System and one control transmitter
20 V 1100 Hz for one control transmitter
115 V 60 Hz for heating and cooling.

HANDBOOK
BR 2367(3)

ESTABLISHMENT LIST
E1355

INSTALLATION SPECIFICATION
B1123
PURPOSE
To receive coarse (360° 5V) and fine (40° 5V) synchro analogue and velocity feed forward signals from an
aircraft and to retransmit this information as coarse (360° 5V) synchro signals and a digital form output.

BRIEF DESCRIPTION
The Data Retransmitter is a servo operated unit which accepts coarse and fine synchro and velocity feed forward
signals, and provides (360° 5V) synchro outputs for retransmission from two control transmitters, and digital outputs
from a digital coder for data handling equipments. For testing purposes, external signals can be accepted from the
dummy director or radar recorder. Internal circuitry can provide signals for a constant velocity drive, a zero-limed up
position, a change digit function to check the coder, and a check on coder lamps.

MAJOR UNITS
<table>
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<tr>
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<td>Retransmitter Data Digital Outfit Cabinet</td>
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<td>6110-99-521-5461</td>
<td>Electrical Equipment</td>
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<tr>
<td>6110-99-521-5462</td>
<td>Amplifier Electronic Control</td>
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<tr>
<td>5990-99-521-5463</td>
<td>Power Supply Unit</td>
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PHYSICAL DATA
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<tbody>
<tr>
<td></td>
<td>24.3 cm</td>
<td>60 cm</td>
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<td>38.5 kg</td>
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</table>

POWER REQUIREMENTS
- 115 V 400 Hz single phase at 1 amp
- 115 V 60 Hz single phase at 300 mA
- 115 V 60 Hz 3-phase at 400 mA

HANDBOOK
BR 2367(3)

ESTABLISHMENT LIST
5344

INSTALLATION SPECIFICATION
B124