



U.S. Department
of Transportation
**Federal Aviation
Administration**

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Manufacturing Inspection District Office
2601 Meacham Blvd., SW MIDO-42
Fort Worth, Texas 76137

January 7, 2011

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION (FAA) - PARTS MANUFACTURER
APPROVAL (PMA)

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computation, submitted by Superior Air Parts, Inc., with your letter dated January 27, 2005, meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Superior Air Parts Inc., has established the fabrication inspection system required by § 21.303(h) at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 191, revision 1. Revision 1 dated 1/7/2011 updates supplement number 191 dated 1/27/2010. The purpose of the revision is to include over-sized and undersized parts not previously listed on supplement number 191. Supplement 191 dated 1/27/2010 remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated August 20, 2002, also apply to the enclosed PMA Listing-Supplement No. 191, revision 1 dated 1/7/2011. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink that reads "Carlton N. Cochran".

Carlton N. Cochran
Manager, Manufacturing Inspection District Office
SW MIDO-42

Enclosure
PMA Supplement No. 191, revision 1



U.S. Department
of Transportation

**Federal Aviation
Administration**

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A	61662, 69373, 60726	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-P10	61662-P10, 69373-P10 60726-P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M03	61662 M03, 69373 M03, 60726 M03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M03-P10	61662 M03-P10, 69373 M03-P10, 60726 M03-P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M06	61662 M06, 69373 M06, 60726 M06	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M06-P10	61662 M06-P10, 69373 M06-P10, 60726 M06-P10	Test and Computations per 14 CFR § 21.303, DWG No: SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M10	P/N 61662, 69373, 60726	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E
Bearing, Connecting Rod	SL61662A-M10-P10	61662 M10-P10, 69373 M10-P10, 60726 M10-P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions		O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1A, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

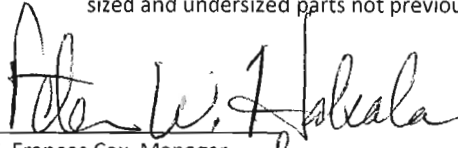
PMA NO. PQ0060SW
SUPPLEMENT NO. 191
REVISION 1
DATE January 7, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Connecting Rod	SL61662A-M10-P10	61662 M10-P10, 69373 M10-P10, 60726 M10-P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL61662A, <u>Rev:</u> M <u>Date:</u> 9/14/2010 or later FAA-approved revisions	Lycoming Engines	O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B LIO-320-B1A, -C1A AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B O-290-D, -D2, -D2A, -D2B, -D2C O-340-A1A, -A1B, -A2A, -B1A, -B2A O-435-A, -A2 GO-435-C2, -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6, -C2C, -C2D, -C2E

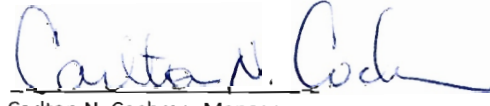
-----End of Listing-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.
3. Revision number 1 dated 1/7/2010 updates supplement number 191 dated 1/27/2010. The purpose of the revision is to include over-sized and undersized parts not previously listed on supplement number 191. Supplement 191 dated 1/27/2010 remains in effect.


S. Frances Cox, Manager
Special Certification Office
ASW-190

1/6/11


Carlton N. Cochran, Manager
Manufacturing Inspection District Office
SW-MIDO-42