Fall Department Head Report--Reporting Booklet 2.0 to the Massachusetts Division of Occupational Education (Fiscal Year Ending June 30, 1975) for Machine Shop.


Massachusetts State Dept. of Education, Boston, Div. of Occupational Education.

30 Jun 75

238p.; For related documents, see ED 062 553; ED 068 646-647; ED 072 225; ED 072 228; ED 072 303-304; CE 005 687-727; Instructions for completing the booklet are available in CE 005 701

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Annual Reports; Census Figures; Data Collection; Demonstration Projects; *Educational Objectives; Job Skills; Machinists; *Management Information Systems; Program Design; Program Evaluation; *Records (Forms); *School Shops; Shop Curriculum; State Programs; Trade and Industrial Education; *Vocational Education

Census Data System; *Management Information System Occupational Educa; MISOE; Terminal Performance Objectives; TERMOBS

The reporting booklet is required for the Census Data System (CDS) of the Management Information System for Occupational Education (MISOE); it contains the reporting forms which collect data that describe program structure and job-entry skill outcomes expected of program completors in the individual occupational education area of machine shop. Utilization of instructional area is also determined. This booklet contains the terminal performance objectives (TERMOBS) for this program area. They are actually the forms by which the skills of program completors are reported by department heads. CDS, one of two major subsystems of the integrated management information system, was developed to provide occupational education managers with comprehensive data on which to base rational management decisions. Essentially, CDS contains descriptive information systematically structured in a manner which allows it to be used as a basis for sampling evaluative research studies. CDS collects and stores census data for all school systems offering occupational education programs, including all data formerly collected by the Annual Federal Report for Occupational Information, except followup data. (Author/ AJ)
THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION
FALL DEPARTMENT HEAD REPORT–REPORTING BOOKLET 2.0
to the
DIVISION OF OCCUPATIONAL EDUCATION
(Fiscal Year Ending June 30, 1975)
for
MACHINE SHOP

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Before filing said statement, the superintendent shall submit it to the chairman of the school committee, who shall countersign it on oath, if, after examination, he finds it correct.
(General Laws Relating to Education 1970: Chapter 72, Sec. 2A, Item 4, and Sec. 3, Item 2)

I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.
Before filing said statement, the superintendent shall submit it to the chairman of the school committee, who shall countersign it on oath, if, after examination, he finds it correct.

(General Laws Relating to Education 1970: Chapter 72, Sec. 2A, Item 4, and Sec. 3, Item 2)

I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.

(Date)
Superintendent of Schools

(Date)
Chairman of School Committee
TABLE OF CONTENTS

Table 2.1 Enrollment in Final Grade by Student Group and Terminal Objectives (TERMObS) 2
Table 2.11 Enrollment in Lower Grades by Student Group 6
Table 2.2 Utilization of Student Class Time: Final Grade 10
Table 2.21 Utilization of Student Class Time: Lower Grades 12
Table 2.3 Utilization of Departmental Instructional Area By Rooms 14

REPORTING TERMINAL PERFORMANCE OBJECTIVES (TERMObS)
Table T-1 Instructional Division and Unit Outline T-2
Table T-1A Additional Instructional Divisions and Units T-5
Table T-2 TERMOb Division and Unit Outline T-6
Table T-2A Additional TERMOb Divisions and Units T-7

TERMObS
Table T-3 List of Basic Supplies T-170
Table T-4 Additional TERMOb Performance Statements T-174
Index of TERMOb Statements T-176
Table 2.1 Enrollment in Final Grade by Student Group & Terminal Objectives (TERMBO)

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<thead>
<tr>
<th>1. Grade</th>
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<td>B. Percentage of Time</td>
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TERMBO Applicability

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TERMBOB Applicability

13. TERMBOB Numbers
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**TERMOB Applicability**
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Table 2.1 (Cont'd) Enrollment in Final Grade by Student Group and Terminal Objectives (TERMOBS)

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TERMOB Applicability

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12. Male | Female | Male | Female | Male | Female

TERMOS Applicability

13. 

5 12
Table 2.1: Enrollment in Lower Grades by Student Group

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<th>USOE Code(s)</th>
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<th>Year Code</th>
<th>Session Code</th>
<th>Program Length (Years)</th>
<th>Cooperative</th>
<th>Workstudy</th>
<th>Exploratory</th>
<th>Instructors and Teacher’s Aides</th>
<th>Full Time</th>
<th>Percentage of Time</th>
<th>Enrollment</th>
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Note: The table includes columns for various aspects of student and program characteristics, including cooperative work, workstudy, exploratory programs, and instructors and teacher’s aides.
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Table 2.21 (Cont'd) Utilization of Student Class Time: Lower Grade

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Table 2.3 Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

1. a. [ ] Weekly  
   b. [ ] Alternating  
   c. [ ] Variable

2. a. [ ] Semester Schedule Change  
   b. [ ] No Semester Schedule Change

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Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

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|---------------------|
| 1 B Mon.       | 7:00 a.m.-12:00N | 12:00N-6:00 p.m. | 6:00 p.m.-11:00 p.m. |
| Tues.            |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| Fri.             |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| TOTALS           |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| 2 R Mon.         | 7:00 a.m.-12:00N | 12:00N-6:00 p.m. | 6:00 p.m.-11:00 p.m. |
| Tues.            |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| Fri.             |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| TOTALS           |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| 3 B Mon.         | 7:00 a.m.-12:00N | 12:00N-6:00 p.m. | 6:00 p.m.-11:00 p.m. |
| Tues.            |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| Fri.             |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| TOTALS           |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| 4 B Mon.         | 7:00 a.m.-12:00N | 12:00N-6:00 p.m. | 6:00 p.m.-11:00 p.m. |
| Tues.            |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
| Fri.             |                 | No. of Hrs. Used | No. of Stud. Hrs. | No. of Hrs. Used | No. of Stud. Hrs. |
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31 Misoe Number
# WEEKLY OR SCHEDULE B

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### Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

**Check Applicable Program Schedule**

1. a. [ ] Weekly  
   b. [ ] Alternating  
   c. [ ] Variable

2. a. [ ] Semester Schedule Change  
   b. [ ] No Semester Schedule Change

#### WEEKLY OR SCHEDULE A

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**Note:** The table provides a detailed schedule for each day of the week for rooms and days specified. Each entry includes the number of hours used and the number of student hours for each time slot.
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Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

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<th>Evening 6:00 p.m.-11:00 p.m.</th>
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**36**

**17**
Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly  
   b. [ ] Alternating  
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2. a. [ ] Semester Schedule Change  
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Table 2.3 (Cont’d) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable
2. a. [ ] Semester Schedule Change
    b. [ ] No Semester Schedule Change

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  - Totals

- Room 13B
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  - Fri.
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  - Totals

- Room 14B
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- Room 15B
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Table 2.3 Utilization of Departmental Instructional Area By Room

Check Applicable Program Schedule

1. a. [ ] Weekly Schedule Change  
   b. [ ] Alternating Schedule Change  
   c. [ ] No Semester Schedule Change

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Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

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REPORTING TERMINAL PERFORMANCE OBJECTIVES (TERMOBS)
## TABLE T-1 INSTRUCTIONAL DIVISION AND UNIT OUTLINE

MACHINE SHOP PROGRAM

Does this Outline Contain All of the Instructional Content of Your Program: Y**E**S  N**O**

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02 MILLING MACHINE

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02 DRILLING
03 REAMING
04 TAPPING
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07 MILLING, SLOT
08 MILLING, FACE
09 MILLING, FORM
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11 INDEXING, SIMPLE
12 INDEXING, DIFFERENTIAL
13 ROTARY TABLE
14 SET-UP, INDICATE
15 SET-UP, EDGE FINDER
16 SET-UP, ANGULAR
17 TECHNOLOGY
18 SAFETY

03 DRILL PRESS

01 CENTER DRILL
02 COUNTERBORE
03 COUNTERSINK
04 DRILL
05 POLISH
06 REAM
07 TAP
08 TECHNOLOGY
09 LAPPING
10 SAFETY

04 POWER SAW

01 SAWING
02 BLADE TECHNOLOGY
03 FILE
04 SAFETY

05 SHAPER/PLANER

01 SHAPING
02 TECHNOLOGY
03 SAFETY

T-2 47 7/74
## Machine Shop Program

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# MEASURING/INSPECTION
- MEASURING TOOLS
- INSPECTION TOOLS

# HEAT TREATMENT
- ANNEAL
- DEEP HARDENING
- CASE HARDENING
- TECHNOLOGY
- SAFETY

# SPECIALIZATION
- EDM
- DI-ARCO BENDER
- HONE
- JIG BORER
- MAINTENANCE
- PUNCH PRESS
- TRU-TRACE MILLER
- TURRET LATHE
- WELDING
- TOOL CRIB
- BELT SANDER
- TRU-TRACE DRILL PRESS
- TRU-TRACE LATHE
- RADIAL DRILL

# GRINDING
- CYLINDRICAL
- TOOL AND CUTTER
- SURFACE
- PEDESTAL
- TECHNOLOGY
- SAFETY

# SHOP MATH
- COMMON FRACTIONS
- DECIMAL FRACTIONS
- SQUARE ROOT
- ALGEBRA
- LOGARITHMS
- GEOMETRY
- TRIGONOMETRY
### INSTRUCTIONAL DIVISION AND UNIT OUTLINE

#### MACHINE SHOP PROGRAM

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51
## Table T-2 Termob Division and Unit Outline

### Machine Shop Program

Does this outline contain all topics in which graduates acquire job-entry skills: **Yes**

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53
TERMINAL PERFORMANCE OBJECTIVES (TERMOBS)

AND

REPORTING FORMS
1.00 CONDITION

( ) 1.01 BLUEPRINT OF ONE INCH CUBE
( ) 1.02 ALUMINUM MILLED TO ONE INCH CUBE
( ) 1.03 STEEL MILLED TO ONE INCH CUBE
( ) 1.04 NYLON MILLED TO ONE INCH CUBE
( ) 1.05 HIGH MOLECULAR WEIGHT POLYETHYLENE MILLED TO ONE INCH CUBE
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.07 BELT GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 DEBURR EDGES OF CUBE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 FILE EDGES
( ) 2.03 GRIND EDGES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CUBE IS DEBURRED WITH NO SHARP EDGES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
( ) 3.03 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
PROGRAM  MACHINE SHOP
USOE CODE NO(S)  

DIVISION  01  BENCH WORK
UNIT  01  FILING
TERMID NO.  16-001

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
WISOE NO. 01. BENCH WORK
PROGRAM MACHINE SHOP DIVISION 01
UNIT 01 FILING
TERMOB NO. 16-002

1.00 CONDITION

( ) 1.01 BLUEPRINT OF ANGLE PLATE
( ) 1.02 ANGLE PLATE WITH TWO DRILLED 3/4 INCH HOLES
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 THREE EDGED CUTTER
( ) 1.05 BELT GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 DEBURR ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 FILE EDGES
( ) 2.03 GRIND EDGES
( ) 2.04 DEBURR HOLES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 ANGLE PLATE IS DEBURRED WITH NO SHARP EDGES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
( ) 3.03 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
( ) 3.04 SHARP EDGES ARE REMOVED; CHAMFER NO LARGER THAN .015
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A GAGE BLOCK
( ) 1.02 MACHINED GAUGE BLOCK
( ) 1.03 POLISHING COMPOUNDS
( ) 1.04 BUFFERS
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 PEDESTAL GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 POLISH GAUGE BLOCK AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SECURE GAUGE BLOCK
( ) 2.03 SELECT COMPOUND
( ) 2.04 POLISH ALL OVER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAUGE BLOCK IS POLISHED TO APPROVAL OF BOARD OF
EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY.

( ) 3.02 GAUGE BLOCK DOES NOT MOVE UNDER WORKING PRESSURE
( ) 3.03 CORRECT COMPOUND SELECTED FOR DESIRED FINISH
( ) 3.04 TO FINISH SPECIFIED IN BLUEPRINT

59
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF GAUGE BLOCK
( ) 1.02 MACHINED GAUGE BLOCK
( ) 1.03 LAPPING COMPOUNDS
( ) 1.04 LATHE
( ) 1.05 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 LAP GAUGE BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SECURE GAUGE BLOCK
( ) 2.03 SELECT COMPOUND
( ) 2.04 LAP GAUGE BLOCK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAUGE BLOCK IS LAPPED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 GAUGE BLOCK DOES NOT MOVE UNDER WORKING PRESSURE
( ) 3.03 CORRECT GRIT SIZE AND COMPOSITION SELECTED
( ) 3.04 TO ± .0001
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
PROGRAM: MACHINE SHOP

1.00 CONDITION

1.01 BLUEPRINT OF AN ANGLE IRON PLATE
1.02 REQUIRED STOCK, MACHINED TO ROUGH OUTSIDE DIMENSIONS
1.03 SURFACE PLATE
1.04 VERNIER HEIGHT GAUGE
1.05 BLUE DYEKEM
1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 LAY OUT ANGLE IRON PLATE AS SPECIFIED IN BLUEPRINT
   EMPLOYING THE FOLLOWING OPERATIONS:
   2.02 PAINT ROUGHED OUT BLOCK
   2.03 SET HEIGHT GAUGE
   2.04SCRIBE LAYOUT LINES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 ANGLE IRON PLATE IS LAID OUT TO APPROVAL OF BOARD OF
   EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH
   EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
   3.02 EVENLY ON FOUR SIDES
   3.03 TO ± .005
   3.04 TO ± .005
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

64
1.00 CONDITION

( ) 1.01 ASSEMBLY DRAWING OF A BENCH VISE
( ) 1.02 MACHINED, HARDENED AND GROUND PARTS OF A BENCH VISE
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ASSEMBLE BENCH VISE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE INVENTORY OF PARTS
( ) 2.03 ASSEMBLE ALL SUB-ASSEMBLIES
( ) 2.04 ASSEMBLE SUB-ASSEMBLIES TOGETHER
( ) 2.05 CHECK MOVING PARTS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BENCH VISE IS ASSEMBLED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 ALL PARTS PRESENT
( ) 3.03 PARTS PROPERLY ALIGNED
( ) 3.04 SUB-ASSEMBLIES PROPERLY ALIGNED
( ) 3.05 VISE OPERATES PROPERLY

65
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<th>MACHINE SHOP</th>
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1.00 CONDITION

2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**
1.00 CONDITION
( ) 1.01 ASSEMBLY DRAWING OF A TAP WRENCH
( ) 1.02 MACHINED, HARDENED AND GROUND PARTS OF A TAP WRENCH
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 ASSEMBLE TAP WRENCH EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE INVENTORY OF PARTS
( ) 2.03 ASSEMBLE ALL SUB-ASSEMBLIES
( ) 2.04 ASSEMBLE SUB-ASSEMBLIES TOGETHER
( ) 2.05 CHECK MOVING PARTS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 TAP WRENCH IS ASSEMBLED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
( ) 3.02 ALL PARTS PRESENT
( ) 3.03 PARTS PROPERLY ALIGNED
( ) 3.04 SUB-ASSEMBLIES PROPERLY ALIGNED
( ) 3.05 TAP WRENCH OPERATES PROPERLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A MACHINIST'S VISE JAW
( ) 1.02 MACHINED AND DRILLED MACHINIST'S VISE JAW
( ) 1.03 DRILL PRESS
( ) 1.04 TAPPING ATTACHMENT
( ) 1.05 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)
( ) 1.06 TAPPING FLUID

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 TAP HOLE IN MACHINIST'S VISE JAW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT TAP
( ) 2.03 SET JAW IN VISE
( ) 2.04 COUNTERSINK HOLE
( ) 2.05 TAP HOLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HOLE IS TAPPED IN MACHINIST'S VISE JAW TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT TAP SIZE SELECTED
( ) 3.03 SECURELY, AT PROPER ANGLE, WITHOUT DAMAGING PIECE
( ) 3.04 TO OUTSIDE DIMENSION OF TAP
( ) 3.05 THREADS ARE CLEAN AND STRAIGHT
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1.00  CONDITION

2.00  PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00  EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A MACHINIST'S VISE JAW
( ) 1.02 MACHINED AND CENTER DRILLED MACHINIST'S VISE JAW
( ) 1.03 DRILL PRESS
( ) 1.04 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 DRILL HOLE IN MACHINIST'S VISE JAW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT DRILL
( ) 2.03 SET JAW IN VISE
( ) 2.04 DRILL HOLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 HOLE IS DRILLED IN MACHINIST'S VISE JAW TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT DRILL SIZE SELECTED
( ) 3.03 SECURELY, AT PROPER ANGLE, WITHOUT DAMAGING PIECE
( ) 3.04 TO ± .005 ON SIZE
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
PROGRAM MACHINE SHOP  DIVISION 02  HEAT TREATMENT
UNIT 01  ANNEAL
TERM NO. 16-004

1.00 CONDITION

( ) 1.01 MACHINE AND HARDENED ANGLE PLATE
( ) 1.02, BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.03 HEAT TREATMENT TABLES
( ) 1.04 FURNACE
( ) 1.05 CERTIFIED MATERIAL

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 ANNEAL ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 HEAT ANGLE PLATE IN FURNACE
( ) 2.03 HEAT ANGLE PLATE
( ) 2.04 COOL ANGLE PLATE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 ANGLE PLATE IS BROUGHT BACK TO ITS ORIGINAL STATE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 SLIGHTLY ABOVE CRITICAL RANGE
( ) 3.03 ANGLE PLATE HEATED, UNIFORMLY
( ) 3.04 ANGLE PLATE COOLED SLOWLY TO ROOM TEMPERATURE

75.
PROGRAM
USOE CODE NO(S)

MACHINE SHOP

DIVISION 02

HEAT TREATMENT

UNIT 01

ANNEAL

TERMIDB NO.

16-004

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 MACHINED CENTER PUNCH
( ) 1.02 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.03 FURNACE
( ) 1.04 QUENCHING MEDIUM
( ) 1.05 HEAT TREATMENT TABLES

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 HARDEN CENTER PUNCH EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 HEAT CENTER PUNCH IN FURNACE
( ) 2.03 QUENCH HEATED CENTER PUNCH

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CENTER PUNCH IS HARDENED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO CRITICAL TEMPERATURE
( ) 3.03 QUENCHED IN MEDIUM AS SPECIFIED IN HEAT TREATMENT TABLES
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MISOE NO. __________

PROGRAM  MACHINE SHOP  DIVISION  02  HEAT TREATING
UNIT  03  TEMPER
TERMJOB NO.  16-006

1.00 CONDITION

( ) 1.01 HARDENED CENTER PUNCH
( ) 1.02 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.03 HEAT TREATMENT TABLES
( ) 1.04 FURNACE
( ) 1.05 QUENCHING MEDIUM
( ) 1.06 COLOR CHARTS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 TEMPER HARDENED CENTER PUNCH EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 HEAT CENTER PUNCH
( ) 2.03 QUENCH CENTER PUNCH

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 CENTER PUNCH DOES NOT SHATTER UNDER USE AND POINT RETAINS ITS SHARPNESS TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 35 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
( ) 3.02 TO CORRECT TEMPERATURE BELOW CRITICAL RANGE
( ) 3.03 IN CORRECT QUENCH MEDIUM AS SPECIFIED IN HEAT TREATMENT TABLES
1.00 CONDITION

2.00 PERFORMANCE

   GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

   GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
**MISOE NO.**

**PROGRAM**  
MACHINE SHOP  
DIVISION 03  
MACHINES

**UNIT**  
01  
LATHE

**TERMOB NO.**  
16-007

### 1.00 CONDITION

- ( ) 1.01 BLUEPRINT OF A PARALLEL CLAMP SCREW
- ( ) 1.02 REQUIRED STOCK
- ( ) 1.03 LATHE
- ( ) 1.04 POWER BAND SAW
- ( ) 1.05 POWER HACK SAW
- ( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

### 2.00 PERFORMANCE

#### GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- ( ) 2.01 MAKE A PARALLEL CLAMP SCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:
  - ( ) 2.02 SELECT STOCK
  - ( ) 2.03 CUT STOCK
  - ( ) 2.04 FACE OFF
  - ( ) 2.05 CENTER DRILL
  - ( ) 2.06 STRAIGHT TURN
  - ( ) 2.07 KNURL
  - ( ) 2.08 SHOULDER TURN
  - ( ) 2.09 CHAMFER
  - ( ) 2.10 THREAD
  - ( ) 2.11 CUT OFF

### 3.00 EXTENT

#### GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- ( ) 3.01 PARALLEL CLAMP SCREW IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
  - ( ) 3.02 CORRECT STOCK SELECTED
  - ( ) 3.03 1/8 INCH OVERSIZE
  - ( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - ( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - ( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - ( ) 3.07 TO ± 1/64 INCH ON LENGTH, PATTERN CLEAN AND SHARP
  - ( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - ( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - ( ) 3.10 FITS GO/NO-GO THREAD GAUGE
  - ( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A CENTER PUNCH
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.04 POWER HACK SAW
( ) 1.05 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A CENTER PUNCH AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 KNURL
( ) 2.08 CHAMFER
( ) 2.09 TAPER TURN

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CENTER PUNCH IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED.
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 2/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A HEXAGONAL NUT
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE AN HEXAGONAL NUT AS SPECIFIED IN BLUEPRINT 
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 DRILL
( ) 2.07 CHAMFER
( ) 2.08 THREAD
( ) 2.09 COUNTER SINK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HEXAGONAL NUT IS MADE TO APPROVAL OF BOARD OF EXPERT 
RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH 
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 FITS GO/NO-GO THREAD GAUGE
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF SALT AND PEPPER SHAKERS
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE SALT AND PEPPER SHAKERS AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FACE OFF
( ) 2.06 CENTER DRILL
( ) 2.07 DRILL
( ) 2.08 NECK
( ) 2.09 CHAMFER
( ) 2.10 THREAD
( ) 2.11 FORM
( ) 2.12 RECESS
( ) 2.13 TAP
( ) 2.14 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SALT AND PEPPER SHAKERS ARE MADE TO APPROVAL OF BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH
EACH OPERATION JUDGED AS SATISFACTORY OR UNSATIS-
FACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
( ) 3.11 TO ± 1/4°
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 FITS GO/NO-GO THREAD GAUGE
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE SALT AND PEPPER SHAKERS AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FACE OFF
( ) 2.06 CENTER DRILL
( ) 2.07 DRILL
( ) 2.08 NECK
( ) 2.09 CHAMFER
( ) 2.10 THREAD
( ) 2.11 FORM
( ) 2.12 RECESS
( ) 2.13 TAP
( ) 2.14 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SALT AND PEPPER SHAKERS ARE MADE TO APPROVAL OF BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH
EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
( ) 3.11 TO ± 1/4°
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 FITS GO/NO-GO THREAD GAUGE
( ) 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
PROGRAM  MACHINE SHOP  DIVISION  03  MACHINES
USOE CODE NO(S)  UNIT  01  LATHE

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF SCRIBER
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A SCRIBER AS SPECIFIED IN BLUEPRINT EMPLOYING
THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FACE OFF
( ) 2.06 KNURL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 CHAMFER
( ) 2.10 TAP
( ) 2.11 COUNTERSINK
( ) 2.12 TAPER TURN
( ) 2.13 NECK
( ) 2.14 THREAD
( ) 2.15 FORM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 SCRIBER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A SCRIBER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FACE OFF
( ) 2.06 KNURL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 CHAMFER
( ) 2.10 TAP
( ) 2.11 COUNTERSINK
( ) 2.12 TAPER TURN
( ) 2.13 NECK
( ) 2.14 THREAD
( ) 2.15 FORM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 SCRIBER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 FITS GO/NO-GO THREAD GAUGE
( ) 3.15 TO ± 1/4°
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF MACHINIST'S HAMMER HEAD
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 DRILL PRESS
( ) 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A MACHINIST'S HAMMER HEAD AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FACE OFF
( ) 2.06 FILE
( ) 2.07 FORM
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTERSINK
( ) 2.11 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 MACHINIST'S HAMMER HEAD IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO CONFORM TO RADIUS GAUGE
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

- 2.01 MAKE A MACHINIST'S HAMMER HEAD AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:
  - 2.02 SELECT STOCK
  - 2.03 CUT STOCK
  - 2.04 STRAIGHT TURN
  - 2.05 FACE OFF
  - 2.06 FILE
  - 2.07 FORM
  - 2.08 CENTER DRILL
  - 2.09 DRILL
  - 2.10 COUNTERSINK
  - 2.11 TAP

3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**

- 3.01 MACHINIST'S HAMMER HEAD IS MADE TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
  - 3.02 CORRECT STOCK SELECTED
  - 3.03 1/8 INCH OVERSIZE
  - 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.07 TO CONFORM TO RADIUS GAUGE
  - 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  - 3.11 FITS GO/NO-GO THREAD GAUGE
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 Blueprint of a telescoping jackscrew
( ) 1.02 Required stock
( ) 1.03 Lathe
( ) 1.04 Power band saw
( ) 1.05 Power hack saw
( ) 1.06 Drill press
( ) 1.07 Basic machinist's tools (Table T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 Make a telescoping jackscrew as specified in blueprint employing the following operations:

( ) 2.02 Select stock
( ) 2.03 Cut stock
( ) 2.04 Straight turn
( ) 2.05 Taper turn
( ) 2.06 Face off
( ) 2.07 Center drill
( ) 2.08 Drill
( ) 2.09 Chamfer
( ) 2.10 Thread
( ) 2.11 Counterbore

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 Telescoping jackscrew is made to approval of board of expert raters. To be completed within 20 hours with each operation judged as satisfactory or unsatisfactory.

( ) 3.02 Correct stock selected
( ) 3.03 1/8 inch oversize
( ) 3.04 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.05 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.06 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.07 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.08 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.09 To ± .005 or 1/64 inch as specified in blueprint
( ) 3.10 Fits go/no-go thread gauge
( ) 3.11 To ± .005 or 1/64 inch as specified in blueprint
1.01 BLUEPRINT OF A TELESCOPING JACKSCREW
1.02 REQUIRED STOCK
1.03 LATHE
1.04 POWER BAND SAW
1.05 POWER HACK SAW
1.06 DRILL PRESS
1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A TELESCOPING JACKSCREW AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 TAPER TURN
( ) 2.06 FACE OFF
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 CHAMFER
( ) 2.10 THREAD
( ) 2.11 COUNTERBORE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 TELESCOPING JACKSCREW IS MADE TO APPROVAL OF BOARD
OF EXPERT Raters. TO BE COMPLETED WITHIN 20 HOURS WITH
EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OvERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF MACHINIST'S BIMETALLIC HAMMER
( ) 1.02 REQUIRED STOCK
( ) 1.03 LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.07 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MACHINIST'S BIMETALLIC HAMMER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 KNURL
( ) 2.08 TAPER TURN
( ) 2.09 FORM
( ) 2.10 CHAMFER
( ) 2.11 THREAD
( ) 2.12 DRILL
( ) 2.13 BORE
( ) 2.14 COUNTERSINK
( ) 2.14 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MACHINIST'S BIMETALLIC HAMMER IS MADE TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± 1/4°
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MACHINIST'S BIMETALLIC HAMMER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 KNURL
( ) 2.08 TAPER TURN
( ) 2.09 FORM
( ) 2.10 CHAMFER
( ) 2.11 THREAD
( ) 2.12 DRILL
( ) 2.13 BORE
( ) 2.14 COUNTERSINK
( ) 2.14 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MACHINIST'S BIMETALLIC HAMMER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± 1/4°
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 FITS GO/NO-GO THREAD GAUGE
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

99
1.00 CONDITION

( ) 1.01 BLUEPRINT OF AN ANGLE PLATE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 HORIZONTAL MILLING MACHINE
( ) 1.06 VERTICAL MILLING MACHINE
( ) 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.08 DRILL PRESS
( ) 1.09 SHAPER-PLANNER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE AN ANGLE PLATE AS SPECIFIED IN BLUEPRINT

EMPOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 ANGLE MILL
( ) 2.07 LAY OUT
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 TAP
( ) 2.12 COUNTERSINK
( ) 2.13 CHAMFER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT

RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH

OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± 1/4°
( ) 3.07 TO ± .005
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.05 HORIZONTAL MILLING MACHINE
1.06 VERTICAL MILLING MACHINE
1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
1.08 DRILL PRESS
1.09 SHAPER-PLANNER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE AN ANGLE PLATE AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 ANGLE MILL
( ) 2.07 LAY OUT
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 TAP
( ) 2.12 COUNTERSINK
( ) 2.13 CHAMFER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT
RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± 1/4°
( ) 3.07 TO ± .005
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

101
PROGRAM USOE CODE NO(S) | MACHINE SHOP | DIVISION 03 | MACHINES |
| | | | |
| | | UNIT 02 | MILLING |
| | | TERMOB NO. | 16-015 |

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF MACHINIST'S VISE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 HORIZONTAL MILLING MACHINE
( ) 1.06 VERTICAL MILLING MACHINE
( ) 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.08 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 LAY OUT
( ) 2.09 CENTER DRILL
( ) 2.10 DRILL
( ) 2.11 COUNTER BORE
( ) 2.12 TAP
( ) 2.13 ASSEMBLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MACHINIST'S VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO CONFORM TO RADIUS GAUGE
( ) 3.08 TO ± .005
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT
    EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08' LAY OUT
( ) 2.09 CENTER DRILL
( ) 2.10 DRILL
( ) 2.11 COUNTER BORE
( ) 2.12 TAP
( ) 2.13 ASSEMBLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MACHINIST'S VISE IS MADE TO APPROVAL OF BOARD OF
    EXPERT Raters. TO BE COMPLETED WITHIN 20 HOURS WITH
    EACH OPERATION JUDGED AS SATISFACTORY OR UNSATIS-
    FACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO CONFORM TO RADIUS GAUGE
( ) 3.08 TO ± .005
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 FIT GO/NO-GO THREAD GAUGE
( ) 3.13 ALL PARTS PROPERLY FITTED
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF PARALLEL CLAMP JAWS
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 2.04 POWER BAND SAW
( ) 1.05 HORIZONTAL MILLING MACHINE
( ) 1.06 VERTICAL MILLING MACHINE
( ) 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.08 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE TWO PARALLEL CLAMP JAWS AS SPECIFIED IN BLUEPRINT
  EMPLOYING THE FOLLOWING OPERATIONS:

  ( ) 2.02 SELECT STOCK  
  ( ) 2.03 CUT STOCK  
  ( ) 2.04 PLAIN MILL  
  ( ) 2.05 FACE MILL  
  ( ) 2.06 ANGLE MILL  
  ( ) 2.07 LAY OUT  
  ( ) 2.08 CENTER DRILL  
  ( ) 2.09 DRILL  
  ( ) 2.10 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PARALLEL CLAMP JAWS ARE MADE TO APPROVAL OF BOARD OF
  EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH
  EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

  ( ) 3.02 CORRECT STOCK SELECTED
  ( ) 3.03 1/8 INCH OVERRUN
  ( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  ( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  ( ) 3.06 TO ± 1/4°
  ( ) 3.07 TO ± .005
  ( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  ( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
  ( ) 3.10 FITS GO/NO-GO THREAD GAUGE
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF GAGE BLOCK
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 HORIZONTAL MILLING MACHINE
( ) 1.07 VERTICAL MILLING MACHINE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A GAGE BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 FACE MILL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAGE BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO + .0005, -.0000
( ) 3.05 TO + .0005, -.0000

108
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A T-NUT
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 HORIZONTAL MILLING MACHINE
( ) 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A T-NUT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE MILL
( ) 2.05 PLAIN MILL
( ) 2.06 STRADDLE MILL
( ) 2.07 LAY OUT
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 T-NUT IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SKATE SHARPENER
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 HORIZONTAL MILLING MACHINE
( ) 1.07 VERTICAL MILLING MACHINE
( ) 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A SKATE SHARPENER AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 TAP
( ) 2.12 COUNTER SINK

3.00 ENTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SKATE SHARPENER IS MADE TO APPROVAL OF BOARD OF EXPERT
RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/4°
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SKATE SHARPENER
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 HORIZONTAL MILLING MACHINE
( ) 1.07 VERTICAL MILLING MACHINE
( ) 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A SKATE SHARPENER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 TAP
( ) 2.12 COUNTER SINK

3.00 ENTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SKATE SHARPENER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/4°
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

113
PROGRAM
USOE CODE NO(S)

MACHINE SHOP

DIVISION 03

UNIT 02

MACHINES

MILLING

TERMOB NO. 16-020

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF AN END MILL
( ) 1.02 TOOL AND CUTTER GRINDER
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 SHARPEN END MILL AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 STRAIGHT GRIND
( ) 2.03 GRIND FLUTES
( ) 2.04 GRIND END

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 END MILL IS SHARPENED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.03 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.04 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

115
1.00 CONDITION

2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**
1.00 CONDITION

( ) 1.01 BLUEPRINT OF MACHINIST'S VISE
( ) 1.02 SURFACE GRINDER
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 MACHINED MACHINIST'S VISE

2.00 PERFORMANCE

2.01 GRIND JAWS ON MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

3.00 EXTENT

3.01 JAWS ARE GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

3.02 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTEND

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

118
1.00 CONDITION

( ) 1.01 BLUEPRINT OF AN ANGLE PLATE
( ) 1.02 SURFACE GRINDER
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 MACHINED AND HARDENED ANGLE PLATE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 SURFACE GRIND ANGLE PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 STRAIGHT GRIND
( ) 2.03 ANGLE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 ANGLE PLATE IS GROUNDED TO APPROVAL OF EXPERT RATERS, TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUGED AS SATISFACTORY OR UNSATISFACTORY.
( ) 3.02 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.03 TO ± 0° 1'
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### 1.00 CONDITION

### 2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

### 3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**

120
1.00 CONDITION

( ) 1.01 BLUEPRINT OF STRAIGHT TOOTH SLOTTING CUTTER
( ) 1.02 TOOL AND CUTTER GRINDER
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 MACHINED AND HARDENED STRAIGHT TOOTH SLOTTING CUTTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 GRIND A STRAIGHT TOOTH SLOTTING CUTTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 STRAIGHT GRIND
( ) 2.03 ANGLE GRIND

3.00 GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CUTTER GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.03 TO ± 0° 1'
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

122
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A LATHE CENTER
( ) 1.02 CYLINDRICAL GRINDER
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 MACHINED AND HARDENED LATHE CENTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 GRIND A LATHE CENTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 STRAIGHT GRIND
( ) 2.03 TAPER GRIND
( ) 2.04 ANGLE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LATHE CENTER IS GROUND TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.03 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.04 TO ± 0° 1'
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 Grind a test bar as specified in blueprint employing the following operations:

( ) 2.02 Straight grind

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 Test bar is ground to approval of board of expert raters. To be completed within 2 hours with each operation judged as satisfactory or unsatisfactory.

( ) 3.02 To ±.0002 or 1/100 inch as specified in blueprint
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A BOLT
( ) 1.02 POWER BAND SAW
( ) 1.03 POWER HACK SAW
( ) 1.04 TURRET LATHE
( ) 1.05 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.06 REQUIRED STOCK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A BOLT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 SHOULDER TURN
( ) 2.06 FACE OFF
( ) 2.07 CHAMFER
( ) 2.08 THREAD
( ) 2.09 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 BOLT IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8" OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 CONFORMS TO GO/NO-GO THREAD GAUGE
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A NAIL SET BODY
( ) 1.02 REQUIRED STOCK
( ) 1.03 TURRET LATHE
( ) 1.04 POWER BAND SAW
( ) 1.05 POWER HACK SAW
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A NAIL SET BODY EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 DRILL
( ) 2.05 KNURL
( ) 2.06 TAP
( ) 2.07 COUNTERBORE
( ) 2.08 CHAMFER
( ) 2.09 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 NAIL SET BODY MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8" OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± 1/64 INCH ON LENGTH, PATTERN CLEAN AND SHARP
( ) 3.06 FITS GO/NO-GO THREAD GAUGE
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
PROGRAM: MACHINE SHOP

DIVISION: 03 MACHINES

UNIT: 04 SPECIAL

TERMID NO.: 16-029

1.00 CONDITION

( ) 1.01 BLUEPRINT OF A BORING TOOL
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER BAND SAW
( ) 1.04 POWER HACK SAW
( ) 1.05 COMPUTER EQUIPPED MILLING MACHINE/
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A BORING TOOL EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PROGRAM MACHINE
( ) 2.05 PUNCH TAPE
( ) 2.06 PLAIN MILL
( ) 2.07 SLOT MILL
( ) 2.08 DRILL (NUMERICAL CONTROL)
( ) 2.09 REAM (NUMERICAL CONTROL)
( ) 2.10 COUNTERSINK (NUMERICAL CONTROL)
( ) 2.11 TAP (NUMERICAL CONTROL)

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BORING TOOL IS MADE TO APPROVAL OF BOARD OF EXPERT RATER S. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8" OVERSIZE
( ) 3.04 CORRECT PROGRAM MADE
( ) 3.05 ACCURATELY NO ERRORS
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 INCH ON CENTER
( ) 3.09 TO ± .005 INCH SIZE
( ) 3.10 TO ± .005 INCH SIZE
( ) 3.11 CONFORMS TO GO/NO-GO THREAD GAUGE
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**1.00 CONDITION**

**2.00 PERFORMANCE**

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

**3.00 EXTENT**

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**
PROGRAM       MACHINE SHOP

1.00 CONDITION

( ) 1.01 BLUEPRINT OF ANGLE PLATE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER BAND SAW
( ) 1.04 POWER HACK SAW
( ) 1.05 COMPUTER EQUIPPED MILLING MACHINE
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE AN ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 PROGRAM MACHINE
( ) 2.03 PUNCH TAPE
( ) 2.04 SELECT STOCK
( ) 2.05 CUT STOCK
( ) 2.06 PLAIN MILL (NUMERICAL CONTROL)
( ) 2.07 FACE MILL (NUMERICAL CONTROL)
( ) 2.08 SLOT MILL (NUMERICAL CONTROL)
( ) 2.09 DRILL (NUMERICAL CONTROL)
( ) 2.10 COUNTERSINK
( ) 2.11 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT PROGRAM MADE
( ) 3.03 ACCURATELY, NO ERRORS
( ) 3.04 CORRECT STOCK SELECTED
( ) 3.05 1/8" OVERSIZE
( ) 3.06 TO ± .005 INCH
( ) 3.07 TO ± .005 INCH
( ) 3.08 TO ± .005 INCH
( ) 3.09 TO ± .005 INCH
( ) 3.10 TO ± .005 INCH ON CENTER
( ) 3.11 CONFORMS TO GO/NO-GO THREAD GAUGE

133
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A NEEDLE POINT CLAMP SCREW
( ) 1.02 POWER BAND SAW
( ) 1.03 POWER HACK SAW
( ) 1.04 REQUIRED STOCK
( ) 1.05 HAND SCREW MACHINE
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A NEEDLE POINT CLAMP SCREW EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 STRAIGHT TURN
( ) 2.05 FORM
( ) 2.06 THREAD
( ) 2.07 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SCREW IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8" OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± 1/4°
( ) 3.06 FITS GO/NO-GO THREAD GAUGE
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

135
PROGRAM
USOE CODE NO(S)  

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

136
MISOE NO. 16-032

PROGRAM MACHINE SHOP DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMIDB NO. 16-032

1.00 CONDITION

1.01 BLUEPRINT OF A BEVEL WASHER
1.02 POWER BAND SAW
1.03 POWER HACK SAW
1.04 REQUIRED STOCK
1.05 HAND SCREW MACHINE
1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A BEVEL WASHER EMPLOYING THE FOLLOWING OPERATIONS:

2.02 SELECT STOCK
2.03 CUT STOCK
2.04 CENTER DRILL
2.05 DRILL
2.06 TAPER TURN
2.07 STRAIGHT TURN
2.08 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 BEVEL WASHER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 CORRECT STOCK SELECTED
3.03 1/8" OVERRSIZE
3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 SET OF CHESS MEN WITH INFINITE RADIAL SYMMETRY
( ) 1.02 TRACER LATHE
( ) 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.04 REQUIRED STOCK
( ) 1.05 TEMPLATE OF CHESSMEN

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 COPY CHESSMEN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 ALIGN MODEL
( ) 2.05 TURN TO DIMENSION

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CHESSMEN ARE COPIED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8" OVERSIZE
( ) 3.04 CORRECTLY CENTERED
( ) 3.05 CUTS ARE SMOOTH AND PRODUCT CONFORMS TO MODEL
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1.00 Condition

2.00 Performance

**General Statement of Performance and Resulting Outcome**

3.00 Extent

**General Statement of Extent and Extent of Resulting Outcome**

140
1.00 CONDITION

( ) 1.01 BLUEPRINT OF BUTT JOINT
( ) 1.02 BLUEPRINT OF LAP JOINT
( ) 1.03 BLUEPRINT OF TEE JOINT
( ) 1.04 BLUEPRINT OF CORNER JOINT
( ) 1.05 BLUEPRINT OF EDGE JOINT
( ) 1.06 TIG WELDING EQUIPMENT
( ) 1.07 WELDING HAND TOOLS (TABLE T-3A)
( ) 1.08 TABLE OF CURRENT SETTINGS
( ) 1.09 TABLES FOR SELECTING THE ELECTRODES
( ) 1.10 1/8" MAGNESIUM
( ) 1.11 3/16" MAGNESIUM
( ) 1.12 1/4" ALUMINUM
( ) 1.13 STAINLESS STEEL (UP TO .050"
( ) 1.14 STAINLESS STEEL (.050" AND UP)
( ) 1.15 BRASS ALLOYS
( ) 1.16 LOW CARBON STEEL (.015" TO .030"
( ) 1.17 CAST IRON

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 WELD A SEAM OR JOINT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CHECK ALL ELECTRICAL CIRCUIT CONNECTIONS
( ) 2.03 CUT ELECTRODE
( ) 2.04 ADJUST THE ELECTRODE
( ) 2.05 SET AMPERAGE
( ) 2.06 TURN ON AND SET INERT GAS
( ) 2.07 POSITION FILLER ROD
( ) 2.08 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SEAM OR JOINT IS WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ALL CONNECTIONS TIGHT
( ) 3.03 PROPER DIAMETER SELECTED AND CUT TO APPROPRIATE LENGTH
( ) 3.04 ELECTRODE EXTENDS 1/8" TO 3/16" BEYOND END OF GAS CAP
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 WELD A SEAM OR JOINT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CHECK ALL ELECTRICAL CIRCUIT CONNECTIONS
( ) 2.03 CUT ELECTRODE
( ) 2.04 ADJUST THE ELECTRODE
( ) 2.05 SET AMPERAGE
( ) 2.06 TURN ON AND SET INERT GAS
( ) 2.07 POSITION FILLER ROD
( ) 2.08 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SEAM OR JOINT IS WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ALL CONNECTIONS TIGHT
( ) 3.03 PROPER DIAMETER SELECTED AND CUT TO APPROPRIATE LENGTH
( ) 3.04 ELECTRODE EXTENDS 1/8" TO 3/16" BEYOND END OF GAS CAP
( ) 3.05 CORRECT AMPERAGE
( ) 3.06 CORRECT FLOW
( ) 3.07 AT PROPER ANGLE
( ) 3.08 SEAM OR JOINT SMOOTH WITH METAL EVENLY DISTRIBUTED
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

145
1.00 CONDITION

( ) 1.01 BLUEPRINT OF BUTT JOINT
( ) 1.02 BLUEPRINT OF LAP JOINT
( ) 1.03 BLUEPRINT OF TEE JOINT
( ) 1.04 BLUEPRINT OF CORNER JOINT
( ) 1.05 BLUEPRINT OF EDGE JOINT
( ) 1.06 MIG WELDING EQUIPMENT:
   CONSTANT VOLTAGE (POTENTIAL) POWER SUPPLY
   D.C. GENERATOR POWER SUPPLY
   D.C.R.P. POWER SUPPLY
   WIRE FEEDING MECHANISM
   WELDING GUN
   ELECTRODE WIRE
   SHIELDED GAS:
      ARGON
      HELIUM
      OXYGEN
      CARBON DIOXIDE
( ) 1.07 TABLES OF FILLER WIRE AND FEED
( ) 1.08 TABLES OF CURRENT SETTINGS
( ) 1.09 TABLE OF GAS AND FLOWS
( ) 1.10 1/16" STAINLESS STEEL
( ) 1.11 1/4" CARBON STEEL
( ) 1.12 1/2" ALUMINUM
( ) 1.13 WELDING HAND TOOLS (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 WELD JOINT OR SEAM AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CHECK ALL HOSE AND CABLE CONNECTIONS
( ) 2.03 SELECT NOZZLE
( ) 2.04 THREAD WIRE THROUGH GUN
( ) 2.05 CLEAN OR INSPECT APERTURES OF CONTACT TUBE AND NOZZLE
( ) 2.06 SET WIRE SPEED AND FEED
( ) 2.07 SELECT SHIELDED GAS
( ) 2.08 TURN ON SHIELDED GAS AND WATER COOLANT
( ) 2.09 POSITION WORK
( ) 2.10 WELD
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 Joint or seam welded with smoothness and proper penetration to approval of board of expert raters. To be completed within one hour with each operation judged as satisfactory or unsatisfactory.

( ) 3.02 Connections tight and properly insulated

( ) 3.03 Correct nozzle selected

( ) 3.04 Properly threaded and extending correct distance

( ) 3.05 Apertures clean

( ) 3.06 Correct speed

( ) 3.07 Correct gas

( ) 3.08 Adjusted for correct output

( ) 3.09 Properly positioned in welding vise

( ) 3.10 Seam or joint smooth with metal evenly distributed
PROGRAM code No(S)

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 04

SPECIAL

TERMOB NO. 16-034

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF BUTT JOINT
( ) 1.02 BLUEPRINT OF LAP JOINT
( ) 1.03 BLUEPRINT OF TEE JOINT
( ) 1.04 BLUEPRINT OF CORNER JOINT
( ) 1.05 BLUEPRINT OF EDGE JOINT
( ) 1.06 GAS WELDING EQUIPMENT (TABLE T-3B)
( ) 1.07 WELDING ROD
( ) 1.08 1/8" ROLLED STEEL STOCK
( ) 1.09 WELDING HAND TOOLS (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 WELD A JOINT OR SEAM AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 ADJUST TANK GAUGES
( ) 2.03 ADJUST TORCH
( ) 2.04 TAC WORK
( ) 2.05 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 JOINT OR SEAM IS WELDED WITH SMOOTHNESS AND PROPER
PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 1/2 HOUR WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CORRECTLY ADJUSTED
( ) 3.03 FOR NEUTRAL FLAME
( ) 3.04 IN CORRECT PLACES TO COUNTERACT EXPANSION DUE TO HEAT
( ) 3.05 SEAM OR JOINT SMOOTH WITH METAL EVENLY DISTRIBUTED

146
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A 3/4" HEX WRENCH
( ) 1.02 BLANKED OUT WRENCH
( ) 1.03 ELECTRODE MATERIAL
( ) 1.04 VERTICAL MILLING MACHINE
( ) 1.05 ELECTRICAL DISCHARGE MACHINE
( ) 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 EDM 3/4" HEX IN WRENCH BLANK AS SPECIFIED IN BLUEPRINT
    EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MILL 3/4" HEX ELECTRODE
( ) 2.03 LOCATE WRENCH BLANK IN EDM
( ) 2.04 EDM HEX IN WRENCH

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 3/4" HEX IS EDMED IN WRENCH BLANK TO APPROVAL OF
    BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS
    WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATIS-
    FACTORY.

( ) 3.02 TO ± .005
( ) 3.03 CORRECTLY, AS SPECIFIED IN BLUEPRINT
( ) 3.04 TO ± .005 ON LOCATION
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

151
1.00 CONDITION
( ) 1.01 BLUEPRINT OF A PLUG GAUGE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 LATHE
( ) 1.06 CYLINDRICAL GRINDER
( ) 1.07 FURNACE
( ) 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A PLUG GAUGE AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 SHOULDER TURN
( ) 2.08 KNURL
( ) 2.09 STAMP IDENTIFICATION
( ) 2.10 HARDEN
( ) 2.11 STRAIGHT GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 PLUG GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT
RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP
( ) 3.09 SIZE STAMPED IS LEGIBLE
( ) 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.11 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
### GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

#### CONDITION

1.00 CONDITION

#### PERFORMANCE

2.00 PERFORMANCE

#### EXTENT

3.00 EXTENT
1.00 CONDITION

- 1.01 Blueprint of a Ring Gauge
- 1.02 Required Stock
- 1.03 Power Hack Saw
- 1.04 Power Band Saw
- 1.05 Lathe
- 1.06 Surface Grinder
- 1.07 Cylindrical Grinder
- 1.08 Furnace
- 1.09 Basic Machinist’s Tools (Table T-3)

2.00 PERFORMANCE

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GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 Make a Ring Gauge as specified in blueprint employing the following operations:
  - 2.02 Select Stock
  - 2.03 Cut Stock
  - 2.04 Face Off
  - 2.05 Center Drill
  - 2.06 Drill
  - 2.07 Bore
  - 2.08 Chamfer
  - 2.09 Stamp Identification
  - 2.10 Harden
  - 2.11 Surface Grind

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 Ring Gauge is made to approval of Board of Expert Raters. To be completed within 6 hours with each operation judged as satisfactory or unsatisfactory.
  - 3.02 Correct Stock selected
  - 3.03 1/8 inch oversize
  - 3.04 to ± .005 or 1/64 inch as specified in blueprint
  - 3.05 to ± .005 or 1/64 inch as specified in blueprint
  - 3.06 to ± .005 or 1/64 inch as specified in blueprint
  - 3.07 to ± .005 or 1/64 inch as specified in blueprint
  - 3.08 to ± .005 or 1/64 inch as specified in blueprint
  - 3.09 Stamped size is legible
  - 3.10 Heated to correct temperature and quenched
  - 3.11 to ± .0002 or 1/100 inch as specified in blueprint
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A LATHE DOG
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 VERTICAL MILLING MACHINE
( ) 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

1.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A LATHE DOG AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 CENTER DRILL
( ) 2.05 DRILL
( ) 2.06 TAP
( ) 2.07 FORM MILL
( ) 2.08 STRAIGHT TURN
( ) 2.09 CHAMFER
( ) 2.10 THREAD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LATHE DOG IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 FITS GO/NO-GO THREAD GAUGE
( ) 3.07 TO ± 1/4° 1'
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 FITS GO/NO-GO THREAD GAUGE
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A YOKE AND SCREW
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A YOKE AND SCREW AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK-
( ) 2.04 PLAIN MILL
( ) 2.05 FORM MILL
( ) 2.06 CENTER DRILL
( ) 2.07 DRILL
( ) 2.08 TAP
( ) 2.09 THREAD
( ) 2.10 KNURL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 YOKE AND SCREW ARE MADE TO APPROVAL OF BOARD OF EXPERT
RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 FITS GO/NO-GO THREAD GAUGE
( ) 3.09 FITS GO/NO-GO THREAD GAUGE
( ) 3.10 TO ± 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A YOKE AND SCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 FORM MILL
- 2.06 CENTER DRILL
- 2.07 DRILL
- 2.08 TAP
- 2.09 THREAD
- 2.10 KNURL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 YOKE AND SCREW ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 FITS GO/NO-GO THREAD GAUGE
- 3.09 FITS GO/NO-GO THREAD GAUGE
- 3.10 TO ± 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

5.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A MACHINIST'S SQUARE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 HORIZONTAL MILLING MACHINE
( ) 1.07 VERTICAL MILLING MACHINE
( ) 1.08 SURFACE GRINDER
( ) 1.09 FURNACE
( ) 1.10 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A MACHINIST'S SQUARE AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS;

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 REAM
( ) 2.10 COUNTERSINK
( ) 2.11 HARDEN
( ) 2.12 ANGLE GRIND
( ) 2.13 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 MACHINIST'S SQUARE IS MADE TO APPROVAL OF BOARD OF
EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH
EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MACHINIST'S SQUARE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 REAM
( ) 2.10 COUNTERSINK
( ) 2.11 HARDEN
( ) 2.12 ANGLE GRIND
( ) 2.13 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MACHINIST'S SQUARE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.12 TO ± 0° 1'
( ) 3.13 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

162
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A HEIGHT GAUGE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 CYLINDRICAL GRINDER
( ) 1.11 FURNACE
( ) 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)
( ) 1.13 ENGRAVING MACHINE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A HEIGHT GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 REAM
( ) 2.12 TAP
( ) 2.13 FACE OFF
( ) 2.14 KNURL
( ) 2.15 STRAIGHT TURN
( ) 2.16 RECESS
( ) 2.17 THREAD
( ) 2.18 CUT OFF
( ) 2.19 ENGRAVE NUMBERS
( ) 2.20 HARDEN
( ) 2.21 TEMPER
( ) 2.22 SURFACE GRIND
( ) 2.23 LAP
( ) 2.24 ASSEMBLE
GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 HEIGHT GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

3.02 CORRECT STOCK SELECTED

3.03 1/8 INCH OVERSIZE

3.04 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.05 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.06 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.07 TO CONFORM TO RADIUS GAUGE

3.08 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.09 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.10 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.11 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.12 FITS GO/NO-GO THREAD GAUGE

3.13 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.14 TO ± 1/64 INCH ON LENGTH, PATTERN IS CLEAN AND SHARP

3.15 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.16 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.17 FITS GO/NO-GO THREAD GAUGE

3.18 TO ± 0.005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.19 NUMBERS ARE LEGIBLE

3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED

3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED

3.22 TO ± 0.0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

3.23 TO ± 0.0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

3.24 ALL PARTS FIT PROPERLY
MISOE NO. ___________

PROGRAM
USOE CODE NO(S)  
MACHINE SHOP

DIVISION  03  
UNIT  05  
TERMOB NO. 16-040

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

16"
IISOE NO.

'ROGRAM MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-041

1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SINE BAR
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 FURNACE
( ) 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3).

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A SINE BAR AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTER BORE
( ) 2.11 COUNTERSINK
( ) 2.12 TAP
( ) 2.13 FACE OFF
( ) 2.14 STRAIGHT TURN
( ) 2.15 RECESS
( ) 2.16 CUT OFF
( ) 2.17 SURFACE GRIND
( ) 2.18 HARDEN
( ) 2.19 TEMPER
( ) 2.20 LAP
( ) 2.21 ASSEMBLE

166
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SINE BAR IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 25 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± 1/16°
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 FITS GO/NO-GO THREAD GAUGE
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.17 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.18 HEATED TO CORRECT TEMPERATURE
( ) 3.19 HEATED TO CORRECT TEMPERATURE
( ) 3.20 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.21 ALL PARTS FIT PROPERLY
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3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF AN EDGE FINDER
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 CYLINDRICAL GRINDER
( ) 1.11 FURNACE
( ) 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE AN EDGE FINDER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 SLOT MILL
( ) 2.05 CENTER DRILL
( ) 2.06 DRILL
( ) 2.07 REAM
( ) 2.08 FACE OFF
( ) 2.09 STRAIGHT TURN
( ) 2.10 RECESS
( ) 2.11 FORM
( ) 2.12 CUT OFF
( ) 2.13 HARDEN
( ) 2.14 TEMPER
( ) 2.15 SURFACE GRIND
( ) 2.16 STRAIGHT GRIND
( ) 2.17 LAP
( ) 2.18 ASSEMBLE
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 EDGE FINDER IS MADE TO APPROVAL OF BOARD OF EXPERT-RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

3.02 CORRECT STOCK SELECTED
3.03 1/8 INCH OVERSIZE
3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.11 TO ± 1/4°
3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.13 HEATED TO CORRECT TEMPERATURE AND QUENCHED
3.14 HEATED TO CORRECT TEMPERATURE AND QUENCHED
3.15 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
3.16 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
3.17 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
3.18 ALL PARTS FIT PROPERLY
**3.00 EXTENT**

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

- 1.01 Blueprint of a Depth Gauge
- 1.02 Required Stock
- 1.03 Power Hack Saw
- 1.04 Power Band Saw
- 1.05 Drill Press
- 1.06 Lathe
- 1.07 Surface Grinder
- 1.08 Furnace
- 1.09 Basic Machinist's Tools (Table T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 Make a Depth Gauge as specified in blueprint employing the following operations:
  - 2.02 Select Stock
  - 2.03 Cut Stock
  - 2.04 Center Drill
  - 2.05 Drill
  - 2.06 Counter Bore
  - 2.07 Ream
  - 2.08 Tap
  - 2.09 Face Off
  - 2.10 Straight Turn
  - 2.11 Knurl
  - 2.12 Taper Turn
  - 2.13 Chamfer
  - 2.14 Thread
  - 2.15 Harden
  - 2.16 Surface Grind

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 Depth gauge is made to approval of Board of Expert Raters. To be completed within 20 hours with each operation judged as satisfactory or unsatisfactory.
  - 3.02 Correct stock selected
  - 3.03 1/8 inch oversize
  - 3.04 To ± .005 or 1/64 inch as specified in blueprint
  - 3.05 To ± .005 or 1/64 inch as specified in blueprint
  - 3.06 To ± .005 or 1/64 inch as specified in blueprint
1.01 BLUEPRINT OF A DEPTH GAUGE
1.02 REQUIRED STOCK
1.03 POWER HACK SAW
1.04 POWER BAND SAW
1.05 DRILL PRESS
1.06 LATHE
1.07 SURFACE GRINDER
1.08 FURNACE
1.09 BASIC MACHINIST’S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A DEPTH GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- SELECT STOCK
- CUT STOCK
- CENTER DRILL
- DRILL
- COUNTER BORE
- REAM
- TAP
- FACE OFF
- STRAIGHT TURN
- KNURL
- TAPER TURN
- CHAMFER
- THREAD
- HARDEN
- SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 DEPTH GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- CORRECT STOCK SELECTED
- 1/8 INCH OVSRSIZE
- TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- FITS GO/NO-GO THREAD GAUGE
- TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- FITS GO/NO-GO THREAD GAUGE
- HEATED TO CORRECT TEMPERATURE AND QUENCHED
- TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A "V" BLOCK
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 HORIZONTAL MILLING MACHINE
( ) 1.06 VERTICAL MILLING MACHINE
( ) 1.07 SURFACE GRINDER
( ) 1.08 FURNACE
( ) 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A "V" BLOCK AS SPECIFIED IN BLUEPRINT
    EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE MILL
( ) 2.05 SLOT MILL
( ) 2.06 ANGLE MILL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 TAP
( ) 2.10 HARDEN
( ) 2.11 TEMPER
( ) 2.12 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 "V" BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 FITS GO/NO-GO THREAD GAUGE
( ) 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
1.02 REQUIRED STOCK
1.03 POWER HACK SAW
1.04 POWER BAND SAW
1.05 HORIZONTAL MILLING MACHINE
1.06 VERTICAL MILLING MACHINE
1.07 SURFACE GRINDER
1.08 FURNACE
1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
2.01 MAKE A "V" BLOCK AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

2.02 SELECT STOCK
2.03 CUT STOCK
2.04 FACE MILL
2.05 SLOT MILL
2.06 ANGLE MILL
2.07 CENTER DRILL
2.08 DRILL
2.09 TAP
2.10 HARDEN
2.11 TEMPER
2.12 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
3.01 "V" BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

3.02 CORRECT STOCK SELECTED
3.03 1/8 INCH OVERSIZE
3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
3.09 FITS GO/NO-GO THREAD GAUGE
3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
3.12 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

180
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1:00 CONDITION

( ) 1.01 BLUEPRINT OF A MILLING CUTTER
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 VERTICAL MILLING MACHINE
( ) 1.08 SURFACE GRINDER
( ) 1.09 TOOL AND CUTTER GRINDER
( ) 1.10 FURNACE
( ) 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A MILLING CUTTER AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 SLOT MILL
( ) 2.05 FORM MILL
( ) 2.06 DRILL
( ) 2.07 BORE
( ) 2.08 COUNTER SINK
( ) 2.09 STRAIGHT TURN
( ) 2.10 FACE OFF
( ) 2.11 HARDEN
( ) 2.12 TEMPER
( ) 2.13 STRAIGHT GRIND
( ) 2.14 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 MILLING CUTTER IS MADE TO APPROVAL OF BOARD OF EXPERT
RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH
OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT SELECTED STOCK
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± 1/40"
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A MILLING CUTTER AS SPECIFIED IN BLUEPRINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 SLOT MILL
( ) 2.05 FORM MILL
( ) 2.06 DRILL
( ) 2.07 BORE
( ) 2.08 COUNTER SINK
( ) 2.09 STRAIGHT TURN
( ) 2.10 FACE OFF
( ) 2.11 HARDEN
( ) 2.12 TEMPER
( ) 2.13 STRAIGHT GRIND
( ) 2.14 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 MILLING CUTTER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± 1/40
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.12 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.13 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A TAP WRENCH
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 FURNACE
( ) 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MAKE A TAP WRENCH AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 SLOT MILL
( ) 2.05 FACE MILL
( ) 2.06 FORM MILL
( ) 2.07 CENTER DRILL
( ) 2.08 DRILL
( ) 2.09 REAM
( ) 2.10 COUNTERSINK
( ) 2.11 TAP
( ) 2.12 FACE OFF
( ) 2.13 STRAIGHT TURN
( ) 2.14 KNURL
( ) 2.15 TAPER TURN
( ) 2.16 THREAD
( ) 2.17 FORM
( ) 2.18 CUT OFF
( ) 2.19 SURFACE GRIND
( ) 2.20 HARDEN
( ) 2.21 ASSEMBLE
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 TAP WRENCH IS MADE TO APPROVAL OF BOARD OF EXPERT RATERs, TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 FITS GO/NO-GO THREAD GAUGE
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 TO ± 1/64 ON LENGTH, PATTERN IS CLEAN AND SHARP
( ) 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.16 FITS GO/NO-GO THREAD GAUGE
( ) 3.17 TO ± 1/4°
( ) 3.18 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.19 TO ± .001
( ) 3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.21 ALL PARTS FIT PROPERLY
**PROGRAM**  MACHINE SHOP

**USOE CODE NO(S)**

**DIVISION**  03  MACHINES

**UNIT**  05  PROJECTS

**TERMOB NO.**  16-046

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### 3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**
1.00 CONDITION

( ) 1.01 BLUEPRINT OF PRECISION TOOL MAKER'S VISE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 CYLINDRICAL GRINDER
( ) 1.11 FURNACE
( ) 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A PRECISION TOOL MAKER'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 CHAMFER
( ) 2.08 RECESS
( ) 2.09 THREAD
( ) 2.10 PLAIN MILL
( ) 2.11 FACE MILL
( ) 2.12 SLOT MILL
( ) 2.13 ANGLE MILL
( ) 2.14 DRILL
( ) 2.15 REAM
( ) 2.16 COUNTERSINK
( ) 2.17 TAP
( ) 2.18 HARDEN
( ) 2.19 TEMPER
( ) 2.20 SURFACE GRIND
( ) 2.22 ANGLE GRIND
( ) 2.23 LAP
( ) 2.24 ASSEMBLE
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PRECISION TOOL MAKER'S VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT.
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 FITS GO/NO-GO THREAD GAUGE
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± 1/4°
( ) 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.17 FITS GO/NO-GO THREAD GAUGE
( ) 3.18 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.19 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.20 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.21 TO ± 0° 5'
( ) 3.22 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.23 ALL PARTS FIT PROPERLY
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3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SINE PLATE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 CYLINDRICAL GRINDER
( ) 1.11 FURNACE
( ) 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A SINE PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 PLAIN MILL
( ) 2.05 SLOT MILL
( ) 2.06 FACE MILL
( ) 2.07 FORM MILL
( ) 2.08 CENTER DRILL
( ) 2.09 DRILL
( ) 2.10 COUNTERBORE
( ) 2.11 REAM
( ) 2.12 COUNTERSINK
( ) 2.13 TAP
( ) 2.14 FACE OFF
( ) 2.15 STRAIGHT TURN
( ) 2.16 RECESS
( ) 2.17 CUT OFF
( ) 2.18 SURFACE GRIND
( ) 2.19 ANGLE GRIND
( ) 2.20 HARDEN
( ) 2.21 TEMPER
( ) 2.22 LAP
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| TERMNO. | 16-048 |

**1.00 CONDITION**

**2.00 PERFORMANCE**

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 SINE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

3.02 CORRECT STOCK SELECTED

3.03 1/8 INCH OVERRSIZE

3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.07 TO ± 1/4°

3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.13 FITS GO/NO-GO THREAD GAUGE

3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.17 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

3.18 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

3.19 TO ± 0° 1'

3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED

3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED

3.22 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
### General Statement of Extent and Extent of Resulting Outcome

**3.00 Extent**

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196
1.00 CONDITION

( ) 1.01 BLUEPRINT OF BENCH VISE
( ) 1.02 REQUIRED STOCK
( ) 1.03 POWER HACK SAW
( ) 1.04 POWER BAND SAW
( ) 1.05 DRILL PRESS
( ) 1.06 LATHE
( ) 1.07 HORIZONTAL MILLING MACHINE
( ) 1.08 VERTICAL MILLING MACHINE
( ) 1.09 SURFACE GRINDER
( ) 1.10 CYLINDRICAL GRINDER
( ) 1.11 FURNACE
( ) 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MAKE A BENCH VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK
( ) 2.03 CUT STOCK
( ) 2.04 FACE OFF
( ) 2.05 CENTER DRILL
( ) 2.06 STRAIGHT TURN
( ) 2.07 RECESS
( ) 2.08 CHAMFER
( ) 2.09 THREAD
( ) 2.10 FORM
( ) 2.11 FACE MILL
( ) 2.12 PLAIN MILL
( ) 2.13 SLOT MILL
( ) 2.14 FORM MILL
( ) 2.15 DRILL
( ) 2.16 BORE
( ) 2.17 COUNTER BORE
( ) 2.18 REAM
( ) 2.19 COUNTERSINK
( ) 2.20 TAP
( ) 2.21 HARDEN
( ) 2.22 TEMPER
( ) 2.23 SURFACE GRIND
( ) 2.24 ASSEMBLE
PROGRAM  MACHINE SHOP
USOE CODE NO(S)  

DIVISION  03  MACHINES
UNIT  05  PROJECTS
TERMNO  16-049

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BENCH VISE IS MADE TO APPROVAL OF BOARD OF EXPERT Raters.
    TO BE COMPLETED WITHIN 22 HOURS WITH EACH OPERATION
    JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.09 FITS GO/NO-GO THREAD GAUGE
( ) 3.10 TO ± 1/4°
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 TO ± 1/4°
( ) 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.17 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.18 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.19 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.20 FITS GO/NO-GO THREAD GAUGE
( ) 3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.22 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.23 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.24 ALL PARTS FIT PROPERLY
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1.00 CONDITION

- 1.01 Blueprint of a planer gauge
- 1.02 Required stock
- 1.03 Power hack saw
- 1.04 Power band saw
- 1.05 Drill press
- 1.06 Lathe
- 1.07 Horizontal milling machine
- 1.08 Vertical milling machine
- 1.09 Surface grinder
- 1.10 Furnace
- 1.11 Basic machinist's tools (Table T-3)

2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

- 2.01 Make a planer gauge as specified in blueprint employing the following operations:

  - 2.02 Select stock
  - 2.03 Cut stock
  - 3.04 Face off
  - 3.05 Center drill
  - 3.06 Straight turn
  - 3.07 Taper turn
  - 3.08 Thread
  - 3.09 Knurl
  - 3.10 Plain mill
  - 3.11 Slot mill
  - 3.12 Face mill
  - 3.13 Drill
  - 3.14 Tap
  - 3.15 Harden
  - 3.16 Temper
  - 3.17 Surface grind
  - 3.18 Angle grind
  - 3.19 Assemble
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PLANER GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED
( ) 3.03 1/8 INCH OVERSIZE
( ) 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.08 FITS GO/NO-GO THREAD GAUGE
( ) 3.09 TO ± 1/64 INCH ON LENGTH, PATTERN IS CLEAN AND SHARP
( ) 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.14 FITS GO/NO-GO THREAD GAUGE
( ) 3.15 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.16 HEATED TO CORRECT TEMPERATURE AND QUENCHED
( ) 3.17 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
( ) 3.18 TO ± 0° 5' 
( ) 3.19 ALL PARTS FIT PROPERLY
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ISOE NO. ___________________________

PROGRAM MACHINE SHOP __________________________

DIVISION 03 MACHINES __________________________

UNIT 06 SHAPER-PLANER __________________________

TERMOB NO. 16-067 __________________________

1.00 CONDITION

( ) 1.01 BLUEPRINT OF A MACHINIST'S VISE

( ) 1.02 REQUIRED STOCK

( ) 1.03 SHAPER-PLANER

( ) 1.04 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ROUGH OUT MACHINIST'S VISE JAW EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT STOCK

( ) 2.03 SECURE PIECE TO SHAPER-PLANER

( ) 2.04 ROUGH OUT VISE JAW

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 VISE JAW IS ROUGHED OUT TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 CORRECT STOCK SELECTED

( ) 3.03 PIECE WILL NOT MOVE UNDER WORKING PRESSURE

( ) 3.04. TO + 1/32 -0

205
## 1.00 CONDITION

## 2.00 PERFORMANCE

### GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

## 3.00 EXTENT

### GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SCREW
( ) 1.02 SCREW
( ) 1.03 OPTICAL COMPARATOR
( ) 1.04 TEMPERATURE CONTROLLED ROOM
( ) 1.05 MACHINERY HANDBOOK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSPECT SCREW FOR DEFECTS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SET UP MACHINE
( ) 2.03 MOUNT WORK
( ) 2.04 VERTICAL MEASURE
( ) 2.05 HORIZONTAL MEASURE
( ) 2.06 THREAD MEASURE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SCREW IS INSPECTED FOR DEFECTS TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 ALL SETTINGS CORRECT
( ) 3.03 PROPERLY ALIGNED, SECURELY IN PLACE
( ) 3.04 TO ± .0001 INCH
( ) 3.05 TO ± .0001 INCH
( ) 3.06 TO ± .0001 INCH
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 # 10 TAP WHICH IS NOT OPERATING PROPERLY
( ) 1.02 OPTICAL COMPARATOR
( ) 1.03 TEMPERATURE CONTROLLED ROOM
( ) 1.04 MACHINERY HANDBOOK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 LOCATE DEFECT IN TAP EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SET UP MACHINE
( ) 2.03 MOUNT WORK
( ) 2.04 VERTICAL MEASURE
( ) 2.05 RADIUS MEASURE
( ) 2.06 THREAD MEASURE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DEFECT IS LOCATED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 ALL SETTING CORRECT
( ) 3.03 PROPERLY ALIGNED, SECURELY IN PLACE
( ) 3.04 TO ± .0001
( ) 3.05 TO ± 0° 1'
( ) 3.06 TO ± .0001
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 HARDENED ANGLE PLATE
( ) 1.02 ROCKWELL HARDNESS TESTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MEASURE HARDNESS OF ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CLEAN ANVIL AND WORK
( ) 2.03 APPLY SMALL LOAD
( ) 2.04 APPLY LARGE LOAD
( ) 2.05 READ HARDNESS NUMBER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HARDNESS IS MEASURED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 THOROUGHLY
( ) 3.03 SMALL POINTER IS AT ZERO
( ) 3.04 LARGE POINTER IS AT ZERO
( ) 3.05 EXACTLY
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<th>Inspection Unit</th>
<th>Hardness Tester Termob No.</th>
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1.00 Condition

2.00 Performance

General statement of performance and resulting outcome

3.00 Extent

General statement of extent and extent of resulting outcome
M1SOE PROGRAM
MACHINE SHOP
DIVISION 04
UNIT 02
INSPECTION
HARDNESS TESTER
TERMNO 16-054

1.00 CONDITION

( ) 1.01 TEMPERED CENTER PUNCH
( ) 1.02 ROCKWELL HARDNESS TESTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 MEASURE HARDNESS OF CENTER PUNCH TIP EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CLEAN ANVIL AND WORK
( ) 2.03 APPLY SMALL LOAD
( ) 2.04 APPLY LARGE LOAD
( ) 2.05 READ HARDNESS NUMBER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HARDNESS IS MEASURED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 THOROUGHLY
( ) 3.03 SMALL POINTER IS AT ZERO
( ) 3.04 LARGE POINTER IS AT ZERO
( ) 3.05 EXACTLY

213
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1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A WASHER
( ) 1.02 VERNIER-CALIPER
( ) 1.03 MACHINED WASHER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSPECT SIZE OF WASHER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE INTERIOR DIAMETER
( ) 2.03 MEASURE EXTERIOR DIAMETER
( ) 2.04 MEASURE THICKNESS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SIZE OF WASHER IS INSPECTED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .001
( ) 3.03 TO ± .001
( ) 3.04 TO ± .001
### PROGRAM
- MACHINE SHOP

### USOE CODE NO(S)
- 1,00

### CONDITION
- 2.00

### PERFORMANCE
- DIVISION: 04
- UNIT: 03
- INSPECTION: HANG MEASUREMENT
- TERMOB NO: 16-055

#### 1.00 CONDITION

#### 2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

#### 3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

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216
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A GAUGE BLOCK
( ) 1.02 MACHINED AND GROUND GAUGE BLOCK
( ) 1.03 VERNIER MICROMETER
( ) 1.04 DIAL INDICATOR MICROMETER
( ) 1.05 TEMPERATURE CONTROLLED ROOM

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 MEASURE DIMENSIONS OF GAUGE BLOCK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE HEIGHT
( ) 2.03 MEASURE WIDTH
( ) 2.04 MEASURE DEPTH

3.00 EXTENT

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 3.01 DIMENSIONS ARE MEASURED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .0001 INCH
( ) 3.03 TO ± .0001 INCH
( ) 3.04 TO ± .0001 INCH
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 WORK PIECE WITH 2 MACHINED HOLES
( ) 1.02 VERNIER CALIPER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 DETERMINE DISTANCE BETWEEN HOLE CENTERS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE DISTANCE BETWEEN OUTSIDE EDGES
( ) 2.03 MEASURE DISTANCE BETWEEN INSIDE EDGES
( ) 2.04 COMPUTE AVERAGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 DISTANCE IS DETERMINED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .001
( ) 3.03 TO ± .001
( ) 3.04 EXACTLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

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1.00 CONDITION

( ) 1.01 10 GAUGE BLOCKS OF THE SAME SIZE
( ) 1.02 DIAL INDICATOR (0-1 INCH BY .0001)
( ) 1.03 BASE AND STAND FOR DIAL INDICATOR

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 DETERMINE RANGE OF ACCURACY OF GAUGE BLOCKS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE GAUGE BLOCKS
( ) 2.03 DETERMINE RANGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 RANGE OF ACCURACY DETERMINED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .0001
( ) 3.03 TO ± .0001
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1.00 CONDITION

( ) 1.01 10 MILLED HARDENED AND GROUND GAUGE BLOCKS
( ) 1.02 DIAL INDICATOR
( ) 1.03 INDICATOR STAND
( ) 1.04 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 DETERMINE RANGE OF SIZE OF GAUGE BLOCKS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE GAUGE BLOCKS
( ) 2.03 DETERMINE RANGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 RANGE OF SIZE OF GAUGE BLOCKS IS DETERMINED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .00005
( ) 3.03 TO ± .00005
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 THREADED BOLT, ANY SIZE
( ) 1.02 THREADED NUT, ANY SIZE
( ) 1.03 SCREW PITCH GAUGE
( ) 1.04 THREAD MICROMETER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 IDENTIFY THREAD SIZE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE OUTSIDE DIAMETER
( ) 2.03 MEASURE ROOT DIAMETER
( ) 2.04 MEASURE PITCH
( ) 2.05 CALCULATE PITCH DIAMETER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 THREAD SIZE IDENTIFIED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 TO ± .001
( ) 3.03 TO ± .001
( ) 3.04 EXACTLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
**TABLE T-3**

**BASIC MACHINIST'S TOOLS**

**HAND TOOLS**
- BALL PEEN HAMMER
- SOFT-HEADED HAMMER
- SET OF SCREW DRIVERS
- BENCH VISE
- SET OF FILES
- SET OF CHISELS
- OPEN END WRENCHES
- ADJUSTABLE WRENCHES
- BOX WRENCHES
- SOCKET WRENCHES
- SET-SCREW WRENCHES
- SPANNER WRENCHES
- HAND TAP SETS
- TAP WRENCHES
- SET OF DRILLS
- HAND REAMERS
- HACK SAWS
- COUNTERSINK SET

**LAYOUT TOOLS**
- SCRIBER
- PRICK PUNCH
- CENTER PUNCH
- AUTOMATIC CENTRAL PUNCH
- DIVIDERS
- STEEL BEAM TRAMMELS
- KEYSEAT RULE
- COMBINATION SQUARE SET
- HERMAPHRODITE CALIPER
- ANGLE PLATES

**MEASURING TOOLS**
- STEEL RULE
- SHORT-LENGTH RULE AND HOLDERS
- NARROW RULE
- TAPE RULE
- HOOK RULE
- RULE DEPTH GAUGE
- SLIDE CALIPER RULE
- COMBINATION SET
- INSIDE AND OUTSIDE CALIPERS
- MICROMETERS (0-1, 1-2, 2-3)
- INSIDE MICROMETER CALIPER
- INSIDE MICROMETER
- MICROMETER DEPTH GAUGE
- VERNIER MICROMETER
- VERNIER CALIPER
- VERNIER HEIGHT GAUGE
- VERNIER BEVEL PROTRACTOR
- DIAL INDICATOR
- THREAD GAUGE
- VEE BLOCK
- SURFACE GAUGE
- DEPTH GAUGE
OPEN END WRENCHES
ADJUSTABLE WRENCHES
BOX WRENCHES
SOCKET WRENCHES
SET-SCREW WRENCHES
SPANNER WRENCHES
HAND TAP SETS
TAP WRENCHES
SET OF DRILLS
HAND REAMERS
HACK SAWS
COUNTERSINK SET

LAYOUT TOOLS

SCRIBER
PRICK PUNCH
CENTER PUNCH
AUTOMATIC CENTRAL PUNCH
DIVIDERS
STEEL BEAM TRAMMELS
KEYSEAT RULE
COMBINATION SQUARE SET
HERMAPHRODITE CALIPER
ANGLE PLATES

MEASURING TOOLS

STEEL RULE
SHORT-LENGTH RULE AND HOLDERS
NARROW RULE
TAPE RULE
HOOK RULE
RULE DEPTH GAUGE
SLIDE CALIPER RULE
COMBINATION SET
INSIDE AND OUTSIDE CALIPERS
MICROMETERS (0-1, 1-2, 2-3)
INSIDE MICROMETER CALIPER
INSIDE MICROMETER
MICROMETER DEPTH GAUGE
VERNIER MICROMETER
VERNIER CALIPER
VERNIER HEIGHT GAUGE
VERNIER BEVEL-PROTRACTOR
DIAL INDICATOR
THREAD GAUGE
VEE BLOCK
SURFACE GAUGE
DEPTH GAUGE

BOOKS

MACHINERY HANDBOOK

ASSORTED CUTTING TOOLS
INCLUDING BUT NOT LIMITED TO:

END MILLS
MILLING CUTTERS
BORING BARS
FLY CUTTERS
SLOTTING CUTTERS
SAW BLADES

226
<table>
<thead>
<tr>
<th>TABLE T-3A</th>
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<tbody>
<tr>
<td>WELDING HAND TOOLS</td>
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<tr>
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229
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<tr>
<th>TABLE T-3B</th>
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<tbody>
<tr>
<td>OXYGEN-ACETYLENE GAS WELDING EQUIPMENT</td>
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<tr>
<td>CYLINDER OF OXYGEN</td>
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<td>CYLINDER OF ACETYLENE</td>
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<td>CONNECTING HOSES</td>
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<td>REGULATORS</td>
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<td>APPARTUS WRENCH</td>
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<td>WELDING TIPS</td>
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<td>TORCH</td>
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<tr>
<td>SPARK LIGHTER</td>
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<td>WELDING RODS</td>
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</table>
This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

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<tr>
<th>Division</th>
<th>Performance Statement</th>
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2. Division
Unit
Performance Statement

3. Division
Unit
Performance Statement

4. Division
Unit
Performance Statement

5. Division
Unit
Performance Statement

6. Division
Unit
Performance Statement

7. Division
Unit
Performance Statement
Table T-4 (Cont'd) Additional TERMOB Performance Statements

This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

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and extents will be incorporated later.

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</tr>
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<td>14.</td>
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</tr>
</tbody>
</table>

234
## INDEX OF TERMOB STATEMENTS

**PROGRAM:**

**MACHINE SHOP**

<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>STATEMENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-001</td>
<td>DEBURR EDGES OF CUBE</td>
<td>T-10</td>
</tr>
<tr>
<td>16-002</td>
<td>DEBURR ANGLE PLATE</td>
<td>T-12</td>
</tr>
<tr>
<td>16-003</td>
<td>POLISH GAUGE BLOCK</td>
<td>T-14</td>
</tr>
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<td>16-063</td>
<td>LAP GAUGE BLOCK</td>
<td>T-16</td>
</tr>
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<td>LAY OUT ANGLE IRON PLATE</td>
<td>T-18</td>
</tr>
<tr>
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<td>ASSEMBLE BENCH VISE</td>
<td>T-20</td>
</tr>
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<td>ASSEMBLE TAP WRENCH</td>
<td>T-22</td>
</tr>
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<td>TAP HOLE IN MACHINIST'S VISE JAW</td>
<td>T-24</td>
</tr>
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<td>DRILL HOLE IN MACHINIST'S VISE JAW</td>
<td>T-26</td>
</tr>
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<td>ANNEAL ANGLE PLATE</td>
<td>T-28</td>
</tr>
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<td>HARDEN CENTER PUNCH</td>
<td>T-30</td>
</tr>
<tr>
<td>16-006</td>
<td>TEMPER HARDENED CENTER PUNCH</td>
<td>T-32</td>
</tr>
<tr>
<td>16-007</td>
<td>MAKE A PARALLEL CLAMP SCREW</td>
<td>T-34</td>
</tr>
<tr>
<td>16-008</td>
<td>MAKE A CENTER PUNCH</td>
<td>T-36</td>
</tr>
<tr>
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<td>MAKE AN HEXAGONAL NUT</td>
<td>T-38</td>
</tr>
<tr>
<td>16-010</td>
<td>MAKE SALT AND PEPPER SHAKERS</td>
<td>T-40</td>
</tr>
<tr>
<td>16-011</td>
<td>MAKE A SCRIBER</td>
<td>T-42</td>
</tr>
<tr>
<td>16-012</td>
<td>MAKE A MACHINIST'S HAMMER HEAD</td>
<td>T-44</td>
</tr>
<tr>
<td>16-013</td>
<td>MAKE A TELESCOPING JACKSCREW</td>
<td>T-46</td>
</tr>
<tr>
<td>16-014</td>
<td>MAKE A MACHINIST'S BIMETALLIC HAMMER</td>
<td>T-48</td>
</tr>
<tr>
<td>16-015</td>
<td>MAKE AN ANGLE PLATE</td>
<td>T-50</td>
</tr>
<tr>
<td>16-016</td>
<td>MAKE A MACHINIST'S VISE</td>
<td>T-52</td>
</tr>
<tr>
<td>16-017</td>
<td>MAKE TWO PARALLEL CLAMP JAWS</td>
<td>T-54</td>
</tr>
<tr>
<td>16-018</td>
<td>MAKE A GAGE BLOCK</td>
<td>T-56</td>
</tr>
<tr>
<td>16-019</td>
<td>MAKE A T-NUT</td>
<td>T-58</td>
</tr>
<tr>
<td>16-020</td>
<td>MAKE A SKATE SHARPENER</td>
<td>T-60</td>
</tr>
<tr>
<td>16-021</td>
<td>SHARPEN END MILL</td>
<td>T-62</td>
</tr>
</tbody>
</table>
16-003   POLISH GAUGE BLOCK  T-14
16-063   LAP GAUGE BLOCK  T-16
16-059   LAY OUT ANGLE IRON PLATE  T-18
16-060   ASSEMBLE BENCH VISE  T-20
16-061   ASSEMBLE TAP WRENCH  T-22
16-064   TAP HOLE IN MACHINIST'S VISE JAW  T-24
16-065   DRILL HOLE IN MACHINIST'S VISE JAW  T-26
16-004   ANNEAL ANGLE PLATE  T-28
16-005   HARDEN CENTER PUNCH  T-30
16-006   TEMPER HARDENED CENTER PUNCH  T-32
16-007   MAKE A PARALLEL CLAMP SCREW  T-34
16-008   MAKE A CENTER PUNCH  T-36
16-009   MAKE AN HEXAGONAL NUT  T-38
16-010   MAKE SALT AND PEPPER SHAKERS  T-40
16-011   MAKE A SCRIBER  T-42
16-012   MAKE A MACHINIST'S HAMMER HEAD  T-44
16-013   MAKE A TELESCOPING JACkSCREW  T-46
16-014   MAKE A MACHINIST'S BIMETALLIC HAMMER  T-48
16-015   MAKE AN ANGLE PLATE  T-50
16-016   MAKE A MACHINIST'S VISE  T-52
16-017   MAKE TWO PARALLEL CLAMP JAWS  T-54
16-018   MAKE A GAGE BLOCK  T-56
16-019   MAKE A T-NUT  T-58
16-020   MAKE A SKATE SHARPENER  T-60
16-021   SHARPEN END MILL  T-62
16-022   GRIND JAWS ON MACHINIST'S VISE  T-64
16-023   SURFACE GRIND ANGLE PLATE  T-66
16-024   GRIND A STRAIGHT TOOTH SLOTTING CUTTER  T-68
16-025   GRIND A LATHE CENTER  T-70
16-026   GRIND A TEST BAR  T-72
16-027   MAKE A BOLT  T-74

236

T-176
## INDEX OF TERMOB STATEMENTS (CONT'D)

### PROGRAM:
**MACHINE SHOP**

<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-028</td>
<td>MAKE A NAIL SET BODY</td>
<td>T-76</td>
</tr>
<tr>
<td>16-029</td>
<td>MAKE A BORING TOOL</td>
<td>T-78</td>
</tr>
<tr>
<td>16-030</td>
<td>MAKE AN ANGLE PLATE</td>
<td>T-80</td>
</tr>
<tr>
<td>16-031</td>
<td>MAKE A NEEDLE POINT CLAMP SCREW</td>
<td>T-82</td>
</tr>
<tr>
<td>16-032</td>
<td>MAKE A BEVEL WASHER</td>
<td>T-84</td>
</tr>
<tr>
<td>16-033</td>
<td>COPY CHESSMEN</td>
<td>T-86</td>
</tr>
<tr>
<td>16-058</td>
<td>WELD A SEAM OR JOINT (TIG)</td>
<td>T-88</td>
</tr>
<tr>
<td>16-034</td>
<td>WELD A SEAM OR JOINT (MIG)</td>
<td>T-90</td>
</tr>
<tr>
<td>16-069</td>
<td>WELD A SEAM OR JOINT (GAS WELDING)</td>
<td>T-94</td>
</tr>
<tr>
<td>16-062</td>
<td>EDM 3/4&quot; HEX IN WRENCH BLANK</td>
<td>T-96</td>
</tr>
<tr>
<td>16-035</td>
<td>MAKE A PLUG GAUGE</td>
<td>T-98</td>
</tr>
<tr>
<td>16-036</td>
<td>MAKE A RING GAUGE</td>
<td>T-100</td>
</tr>
<tr>
<td>16-037</td>
<td>MAKE A LATHE DOG</td>
<td>T-102</td>
</tr>
<tr>
<td>16-038</td>
<td>MAKE A YOKE AND SCREW</td>
<td>T-104</td>
</tr>
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<td>MAKE A MACHINIST'S SQUARE</td>
<td>T-106</td>
</tr>
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<td>MAKE A HEIGHT GAUGE</td>
<td>T-108</td>
</tr>
<tr>
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<td>MAKE A SINE BAR</td>
<td>T-112</td>
</tr>
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<td>MAKE AN EDGE FINDER</td>
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<td>MAKE A DEPTH GAUGE</td>
<td>T-120</td>
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<td>MAKE A &quot;V&quot; BLOCK</td>
<td>T-122</td>
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<td>MAKE A MILLING CUTTER</td>
<td>T-124</td>
</tr>
<tr>
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<td>MAKE A TAP WRENCH</td>
<td>T-126</td>
</tr>
<tr>
<td>16-047</td>
<td>MAKE A PRECISION TOOL MAKER'S VISE</td>
<td>T-130</td>
</tr>
<tr>
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<td>MAKE A SINE PLATE</td>
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<td>T-138</td>
</tr>
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<td>MAKE A PLANER GAUGE</td>
<td>T-142</td>
</tr>
<tr>
<td>16-051</td>
<td>INSPECT SCREW FOR DEFECTS</td>
<td>T-148</td>
</tr>
<tr>
<td>16-052</td>
<td>ROUGH OUT MACHINIST'S VISE JAW</td>
<td>T-146</td>
</tr>
<tr>
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MAKE A NEEDLE POINT CLAMP SCREW
MAKE A BEVEL WASHER
COPY CHESSMEN
WELD A SEAM OR JOINT (TIG)
WELD A SEAM OR JOINT (MIG)
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MAKE A PLUG GAUGE
MAKE A RING GAUGE
MAKE A LATHE DOG
MAKE A YOKE AND SCREW
MAKE A MACHINIST'S SQUARE
MAKE A HEIGHT GAUGE
MAKE A SINE BAR
MAKE AN EDGE FINDER
MAKE A DEPTH GAUGE
MAKE A "V" BLOCK
MAKE A MILLING CUTTER
MAKE A TAP WRENCH
MAKE A PRECISION TOOL MAKER'S VISE
MAKE A SINE PLATE
MAKE A BENCH VISE
MAKE A PLANER GAUGE
ROUGH OUT MACHINIST'S VISE JAW
INSPECT SCREW FOR DEFECTS
LOCATE DEFECT IN TAP
MEASURE HARDNESS OF ANGLE PLATE
MEASURE HARDNESS OF CENTER PUNCH TIP
INSPECT SIZE OF WASHER
MEASURE DIMENSIONS OF GAUGE BLOCK
DETERMINE DISTANCE BETWEEN HOLE CENTERS
## INDEX OF TERMOB STATEMENTS (CONT'D)

**PROGRAM**

**MACHINE SHOP**

<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
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<tbody>
<tr>
<td>16-066</td>
<td>DETERMINE RANGE OF ACCURACY OF GAUGE BLOCKS</td>
<td>T-162</td>
</tr>
<tr>
<td>16-067</td>
<td>DETERMINE RANGE OF SIZE OF GAUGE BLOCKS</td>
<td>T-164</td>
</tr>
<tr>
<td>16-070</td>
<td>IDENTIFY THREAD SIZE</td>
<td>T-166</td>
</tr>
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