

STANDARD PROCEDURE 4.2.1-1

IDENTIFICATION MARKING

|  |  |  |
|--|--|--|
| EFFECTIVITY:                                 |  |  |
| UPON RELEASE                                 |  |  |
| APPROVALS                                    |  |  |
| <b>R. L. Todd</b>                            | <b>J. A. Haney</b>                       | <b>J. A. Cobbett</b>                     |
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| Revision:<br><br>F                           | Release Date:<br>AUG 03 1996             | Released By:<br>CMB                      |

4.2.1-1(F)

REVISIONS

| RE<br>V | DATE     | PARAGRAPH | CHANGE DESCRIPTION  | APPR |
|---------|----------|-----------|---|------|
| A       | 5/1/82   |           |   |      |
| B       | 7/1/83   |           |   |      |
| C       | 5/10/84  |           | Revised Code B Method   |      |
| D       | 1/8/87   |           | Added Code N Method   |      |
| E       | 10/12/94 |           |   |      |
| F       | 6/20/96  | 1.(e)     | Updated document format<br>Revised examples of marking to<br>match configuration of drawings. |      |
|         |          |           |   |      |

4.2.1-1(F)

IDENTIFICATION MARKING

1. SCOPE

This document describes marking methods to be used, when required, to identify any material, part, assembly or system produced or procured by OEA Aerospace, Inc. All marking methods shall be subject to the following requirements:

- (a) Marking shall be legible.
- (b) Marking shall not damage parts or adversely affect intended use.
- (c) Permanent marking shall not be placed on bearing surfaces or within 1/32 inch of any edge, fillet or corner.
- (d) Letter or number height shall be 1/16 inch, minimum, unless otherwise specified on drawing.
- (e) Marking format shall consist of the part number, dash number (if applicable) and revision letter, e.g. 60615-1A, 12350100-1B.

## 4.2.1-1(F)

| CODE | MARKING TYPE                                     | METHOD  |
|------|--|---|
| A    | RUBBER STAMP<br>OR MARKING<br>PEN                | Mark using black permanent ink. On materials, such as rubber, mark using white permanent ink  |
| B    | RUBBER STAMP<br>OR MARKING<br>PEN -<br>PROTECTED | Mark as in Code A except apply protective overcoating of clear sealant.   |
| C    | TAG  | Mark on tag by any suitable means and attach to part. (Use when direct marking is impractical or undesirable.)  |
| D    | BAG AND TAG                                      | Mark directly on bag or on tag attached to bag using any suitable method.   |
| E    | VIBRA-TOOL                                       | Mark, using electric vibra-tool, to a maximum depth of 0.005 inch. (Do not use on notch-sensitive material.)  |
| F    | ELECTROLYTIC<br>ETCH                             | Mark using electrolysis method confined by prepared stencil. Maximum etch depth shall be 0.005 inch on materials to 0.100-inch thick, and 0.002/0.005 inch on materials over 0.100-inch thick. (Use on conductive material only.) |
| G    | IMPRESSION                                       | Mark by material displacement method, e.g. steel stamping or pressing. Maximum impression depth shall be 0.010 inch. (Do not use on notch sensitive material.)  |
| H    | CONTAINER  | Identify container using stencil method, marking pen, or prepared label.  |
| I    | INTEGRAL<br>RAISED                               | Mark by molding, casting or forging. Character height (raised) shall be 0.100 ±0.030 inch.  |
| J    | INTEGRAL<br>DEPRESSED                            | Same as I except character <u>depth</u> shall be 0.100 ±0.030 inch.   |

4.2.1-1(F)

|   |          |                                       |
|---|----------|---------------------------------------|
| K | OPTIONAL | Mark per code A, B, E or F - optional |
|---|----------|---------------------------------------|

4.2.1-1(F)

| CODE | MARKING TYPE                                 | METHOD  |
|------|--|---|
| L    | LABEL-<br>PRESSURE<br>SENSITIVE OR<br>BONDED | Mark on label and apply to part. Reference label drawing, if applicable.  |
| M    | CRITICAL<br>FINISH                           | Wrap each item in suitable protective packaging material and apply marking to package by the referenced marking code or, if no code is reference, by a method that will not damage the item. (Use on parts with critical or delicate finishes.) |
| N    | LASER MARKING                                | Permanently mark each part with a laser, to a maximum depth of 0.005 inch.  |