

**NUMERICAL INDEX — DIVISION 161**  
**SPEED REDUCTION UNITS, CONVERTERS, INVERTERS,**  
**AIR DRYERS, COMPRESSORS, COMPRESSOR-DEHYDRATORS, DEHYDRATORS,**  
**EXHAUSTER SETS, FANS, TUBE COOLING SYSTEMS, VENTILATING EQUIPMENT,**  
**CALL ANNOUNCER MACHINES, AND WAVEGUIDES**

**1. GENERAL**

- 1.01** This section provides an index of System-issued sections in Division 161.
- 1.02** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.03** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.04** "Add" is the abbreviation for Addendum; "App" is the abbreviation for Appendix; and "Sup" is the abbreviation for Supplement.

**2. LAYERS**

- 2.01** This division is arranged in layers as follows:
- 161-0 Indexes and Equipment Test Lists
    - 1 Speed Reduction Units
    - 2 Converters and Inverters
    - 3 Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators and Waveguides
    - 4 Exhauster Sets, Fans, Tube Cooling Systems, and Ventilating Equipment
    - 7 Call Announcer Machines

**3. INDEXES AND EQUIPMENT TEST LISTS**

| Section Number                                | Issue | Subject   |
|---|-------|---|
| <b>161-0 INDEXES AND EQUIPMENT TEST LISTS</b> |       |   |
| ● 161-000-000                                 | 51    | Numerical Index — Division 161 — Speed Reduction Units, Converters, Inverters, Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators, Exhauster Sets, Fans, Tube Cooling Systems, Ventilating Equipment, Call Announcer Machines, and Waveguides |
| <b>161-001 Equipment Test Lists (ETL)</b>     |       |   |
| 161-001-012                                   | 2     | Speed Reduction Units   |
| Sup 161-001-013                               | 2     |   |
| 161-001-013                                   | 2     | Converters and Inverters  |
| ● Sup 161-001-014                             | 2     |   |
| 161-001-014                                   | 2     | Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators, and Waveguides  |
| 161-001-015                                   | 2     | Exhauster Sets, Fans, Tube Cooling Systems, and Ventilating Equipment   |
| 161-001-018                                   | 2     | Call Announcer Machines   |

| Section Number  | Issue | Subject  |
|---|-------|--|
| <b>161-1 SPEED REDUCTION UNITS</b>  |       |  |
| 161-105-301   | 1     | Cleveland Worm and Gear Company's — With Driving Motor — Per KS-1571 — Operating Methods                     |
| 161-105-701   | 1     | Cleveland Worm and Gear Company's — With Driving Motor — Per KS-1571 — Requirements and Adjusting Procedures |
| <b>161-2 CONVERTERS AND INVERTERS</b>   |       |  |
| <i>Note:</i> Due to nomenclature changes see also Numerical Index — Division 167 — Power Plants and Power Supply — 167-000-000. |       |  |
| 161-205-701   | 5     | Inverted Converters — Janette Manufacturing Company — Requirements and Adjusting Procedures                  |
| 161-205-801   | 1     | Inverted Converters — Janette Manufacturing Company — Replacement Parts and Procedures                       |
| 161-208-701   | 5     | Power Inverter — KS-5590, KS-15574, KS-15597, KS-15662 and KS-15679 — Requirements and Adjusting Procedures  |
| 161-212-701   | 2     | Inverters — KS-5717 and KS-5726 — Requirements and Adjusting Procedures                                      |
| 161-212-801   | 2     | Inverters — KS-5717 and KS-5726 — Replacement Parts and Procedures   |
| 161-230-701   | 1     | KS-15511 Inverter — Requirements and Adjusting Procedures  |
| 161-230-801   | 1     | KS-15511 Inverter — Piece-Part Data and Replacement Procedures   |
| 161-231-301   | 3     | DC-to-AC Inverter — KS-19329 — Operating Methods   |
| 161-232-301   | 1     | DC-to-AC Inverter — KS-19430 — Operating Methods   |
| ● 161-233-301   | 2     | Inverter — KS-19738 — Operating Methods  |
| 161-234-301   | 1     | DC-To-AC Inverter — KS-19951 — Operating Methods   |
| 161-234-302   | 1     | Inverter — KS-19952 — Operating Methods  |
| 161-234-701   | 1     | Inverter — KS-19951 — Requirements and Adjusting Procedure   |
| 161-234-702   | 1     | KS-19952 Inverter Requirements and Adjusting Procedures  |

**SECTION 161-000-000**

| Section Number | Issue | Subject  |
|----------------|-------|--|
| 161-245-301    | 1     | Inverter — J87266A — Operating Methods   |
| 161-245-302    | 2     | Inverter — J87266E — Operating Methods   |
| 161-246-301    | 3     | DC-to-AC Inverter — J87274A — Operating Methods  |
| 161-246-701    | 4     | Inverter — J87274A — Requirements and Adjusting Procedures   |
| 161-247-301    | 2     | Inverter — J87295 — Operating Methods  |
| 161-248-301    | 1     | J87322 — Operating Methods   |
| 161-249-301    | 1     | Inverter — J87326 — Operating Methods  |
| 161-250-301    | 1     | Inverter — J87337A — Operating Methods   |
| 161-260-101    | 1     | Regulated Tube Rectifier-Inverter, Phase Shift Control J86425A and Associated Power Control Panels J86425B and C — Description         |
| 161-260-301    | 3     | Regulated Tube Rectifier — Inverter, Phase Shift Control J86425A and Associated Power Control Panels J86425B and C — Operating Methods |
| 161-261-301    | 1     | J87306A — DC-To-DC Converter — Operating Methods   |
| 161-262-301    | 1     | DC-to-DC Converter J87308A Operating Methods   |
| 161-263-301    | 1     | Converter — J87310A — Operating Methods  |
| 161-264-301    | 1     | DC-to-DC Converter — J87311A — Operating Methods   |
| 161-265-301    | 1     | J87338A — DC-to-DC Converter — Operating Methods   |
| 161-266-301    | 1     | DC-to-DC Converter J87307 Operating Methods  |
| 161-267-301    | 1     | DC-To-DC Converter — +6.6 Volts, 30 Amperes — J87340 — Operating Methods   |
| 161-268-301    | 1     | Converter — J87334A — Operating Methods  |
| 161-269-301    | 1     | J87345 — Converter — Operating Methods   |
| 161-271-301    | 1     | DC-to-DC Converter — J87325 — Operating Methods  |
| 161-272-301    | 1     | J87332 — Operating Methods   |
| 161-273-301    | 1     | J87344A — Converter — Operating Methods  |
| 161-279-301    | 1     | DC-to-DC Converter — KS-19815 — Operating Methods  |
| 161-280-301    | 1     | DC-to-DC Converter — KS-15916 — Operating Methods  |
| 161-281-301    | 1     | DC-to-DC Converter — KS-19157 — Operating Methods  |
| 161-282-301    | 1     | DC-to-DC Converter — KS-19158 — Operating Methods  |
| 161-283-301    | 2     | DC-to-DC Converter — KS-19303 L1 — Operating Methods   |

| Section Number  | Issue | Subject  |
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| 161-283-302     | 1     | DC-to-DC Converter — KS-19303 L3 — Operating Methods                 |
| 161-284-301     | 2     | DC-to-DC Converter — KS-19304 — Operating Methods                    |
| 161-285-301     | 1     | DC-to-DC Converter — J87248B — Operating Methods                     |
| Add 161-285-302 | 1     |  |
| 161-285-302     | 1     | DC-to-DC Converters — J87248C — Operating Methods                    |
| 161-285-303     | 1     | DC-to-DC Converter — J87248D — Operating Methods                     |
| 161-286-301     | 1     | DC-to-DC Converter — J87225A — Operating Methods                     |
| 161-287-301     | 3     | DC-to-DC Converter — J87271A — Operating Methods                     |
| 161-288-301     | 1     | DC-to-DC Converter — KS-19521 — Operating Methods                    |
| 161-289-301     | 2     | Converter — J87288A — Operating Methods                              |
| 161-290-301     | 2     | DC-to-DC Converter — J87293 — Operating Methods                      |
| 161-291-301     | 3     | DC-to-DC Converter — J87294 — Operating Methods                      |
| 161-292-301     | 3     | DC-to-DC Converter — J87297A — Operating Methods                     |
| 161-293-301     | 1     | DC-to-DC Converter J87298 + 6.7 Volts, 200 Amperes Operating Methods |
| 161-295-301     | 1     | DC-to-DC Converter — J87304A — Operating Methods                     |
| 161-296-301     | 2     | DC-to-DC Converter — J87264 — Operating Methods                      |
| 161-297-301     | 1     | DC-to-DC Converter — J87305A — Operating Methods                     |
| 161-298-301     | 1     | DC-to-DC Converter J87283, J87284, and J87285 Operating Methods      |

**161-3 AIR DRYERS, COMPRESSORS, COMPRESSOR-DEHYDRATORS, DEHYDRATORS AND WAVEGUIDES**

|                 |   |   |
|-----------------|---|---|
| 161-305-701     | 5 | Air Dryers — KS-16432 L1 and L2 — Requirements and Adjusting Procedures                               |
| 161-305-801     | 4 | Continuous Feed Pressure Systems — KS-16432, L1 and L2 Air Dryers — Maintenance and Replacement Parts |
| Add 161-307-701 | 1 |   |
| 161-307-701     | 3 | KS-16523 L1 Air Dryer — Requirements and Adjusting Procedures   |
| 161-307-801     | 3 | KS-16523 L1 Air Dryer — Replacement Parts and Procedures  |
| 161-308-701     | 1 | KS-20336 L1 Air Dryer Requirements and Adjusting Procedures   |

| Section Number  | Issue | Subject   | Section Number   | Issue | Subject  |
|-----------------|-------|---|--|-------|--|
| 161-308-702     | 1     | KS-20336 L2 Air Dryer — Requirements and Adjusting Procedures   | 161-372-801  | 3     | KS-16153 L1, L2, and L3 Dehydrators — Replacement Parts and Procedures   |
| 161-308-801     | 1     | KS-20336 L1 Air Dryer — Maintenance and Replacement Parts   | 161-374-701  | 3     | KS-16468 L1 — Requirements and Adjusting Procedures  |
| 161-309-701     | 1     | KS-20183 L1 Air Dryer — Requirements and Adjusting Procedures   | 161-374-801  | 3     | KS-16468 L1 Dehydrator — Replacement Parts and Procedures  |
| 161-315-201     | 1     | Continuous Feed Pressure Systems — D Air Dryer — Description and Installation   | 161-378-701  | 1     | KS-15587 Dynamic Dry Air Supply — Requirements and Adjusting Procedures  |
| Add 161-315-801 | 1     |   | <b>161-4 EXHAUSTER SETS, FANS, TUBE COOLING SYSTEMS, AND VENTILATING EQUIPMENT</b> |       |  |
| 161-315-801     | 1     | Continuous Feed Pressure Systems — D Air Dryer — Maintenance and Replacement Parts (PEM 9319)   | 161-405-301  | 1     | Centrifugal Exhauster Sets — Operation   |
| 161-320-701     | 3     | De Vilbiss Compressor Set — KS-7491, List 1 (AC) — Requirements and Adjusting Procedures  | 161-405-701  | 3     | KS-5265 Exhauster Sets — Requirements and Adjusting Procedures   |
| 161-320-801     | 4     | De Vilbiss Compressor Set — KS-7491, List 1 (AC) — Piece-Part Data and Replacement Procedures   | 161-405-801  | 2     | Centrifugal Exhauster Sets — Replacement Parts and Procedures  |
| 161-330-701     | 3     | Compressor Set — KS-14514, List 1 — Requirements and Adjusting Procedures   | 161-408-101  | 1     | Sturtevant Exhauster Sets — Description  |
| Add 161-330-801 | 1     |   | 161-408-701  | 4     | Centrifugal Fans (Formerly Exhauster Sets) — Requirements and Adjusting Procedures   |
| 161-330-801     | 3     | Compressor Set — KS-14514, List 1 — Replacement Parts and Procedures  | 161-408-801  | 2     | Sturtevant Exhauster Sets — Replacement Parts and Procedures   |
| 161-350-701     | 3     | Compressor-Dehydrator KS-14155, List 1 and Dehydrator KS-14155, List 2 — Requirements and Adjusting Procedures                                  | 161-412-701  | 4     | Portable Exhauster Sets — D-96738, D-97067, KS-8038 and KS-8430 — Requirements and Adjusting Procedures                        |
| 161-350-801     | 2     | Compressor-Dehydrator KS-14155, List 1 and Dehydrator KS-14155, List 2 — Piece-Part Data and Replacement Procedures                             | 161-412-801  | 1     | Portable Exhauster Set — KS-8430 — (With and Without Extension Collar — KS-14458) — Piece-Part Data and Replacement Procedures |
| 161-352-701     | 2     | Compressor-Dehydrator KS-16321, L1 and Dehydrator KS-16321, L2 — Requirements and Adjusting Procedures  | 161-430-701  | 3     | KS-14426, List 1 Exhauster — Requirements and Adjusting Procedures   |
| 161-352-801     | 1     | Compressor-Dehydrator KS-16321, List 1 and Dehydrator KS-16321, List 2 — Replacement Parts and Procedures                                       | 161-430-801  | 3     | KS-14426 Type Exhauster — Piece-Part Data and Replacement Procedures   |
| 161-370-301     | 5     | KS-16001 L1, L2, and L3 Dehydrators and Associated Waveguide Alarms — Operating Methods   | 161-450-701  | 1     | KS-15860 Fan — Multistage, Turbine Type — Requirements and Adjusting Procedures  |
| 161-370-701     | 2     | KS-16001 L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures   | 161-452-701  | 3     | KS-15553 Blower Motors and KS-15875 Fans and Air Filters — Requirements and Adjusting Procedures                               |
| 161-370-801     | 5     | KS-16001 L1, L2, and L3 Dehydrators — Replacement Parts and Procedures  | 161-452-801  | 3     | KS-15553 Blower Motors and KS-15875 Fans and Air Filters — Replacement Parts and Procedures                                    |
| 161-371-701     | 2     | Waveguides Associated with Delay Lens Antennas — Static and Dynamic Pressures — TD-2 Radio Relay System — Requirements and Adjusting Procedures | 161-458-701  | 1     | KS-15800 Blowers and Associated Air Filters Used in J86273 Rectifiers — Requirements and Adjusting Procedures                  |
| 161-372-301     | 3     | KS-16153 L1, L2, and L3 Dehydrators and Associated Waveguide Alarms — Operating Methods   | 161-470-301  | 1     | TD-2 Electron Tube Cooling System Operation and Adjustment   |
| 161-372-701     | 2     | KS-16153 L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures   | 161-470-701  | 2     | KS-5794 Air Blower — Requirements and Adjusting Procedures   |
|                 |       |   | 161-470-801  | 3     | KS-5794 Air Blower — Piece-Part Data and Replacement Procedures  |
|                 |       |   | 161-475-301  | 3     | J86486 Tube Cooling System — Operating Methods   |

**SECTION 161-000-000**

| <b>Section Number</b> | <b>Issue</b> | <b>Subject</b>  |
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| 161-475-801           | 2            | KS-16616 Air Filter — Replacement Parts and Procedures                            |
| 161-476-301           | 1            | J68416A — TH Radio Tube Cooling System — Operating Methods                        |
| 161-476-801           | 1            | J68416A — TH Radio Tube Cooling System — Blower and Filter Replacement Procedures |

| <b>Section Number</b> | <b>Issue</b> | <b>Subject</b>  |
|-----------------------|--------------|---|
| 161-480-701           | 2            | Power Room Ventilation and Air Discharge Duct Equipment — Requirements and Adjusting Procedures |
| <b>161-7</b>          |              | <b>CALL ANNOUNCER MACHINES</b>  |
| 161-705-701           | 3            | Film Type — Requirements and Adjusting Procedures   |
| 161-705-801           | 3            | Film Type — Piece-Part Data and Replacement Procedures  |