REPLACEMENT PARTS MANUAL

HIGH EFFICIENCY GAS FURNACE

MODELS: DCL065D36A, DCL080D48A, DCL095D60A, DCL110D60A

Manual 2110-867

Revi si on

*Revised and/or additional pages may be issued from **time** to time.

| Paqe Description | Paqe | Date | Supersedes |
|---|-----------------------------------|--|------------|
| Cabi net ComponentsExploded View Usage ListUsage List Functional ComponentsExploded ViewUsage ListUsage ListUsage List | 1 2 3 4 5 6 | 02-01-94 02-01-94 02-01-94 02-01-94 02-01-94 02-01-94 | |

*** IMPORTANT ***

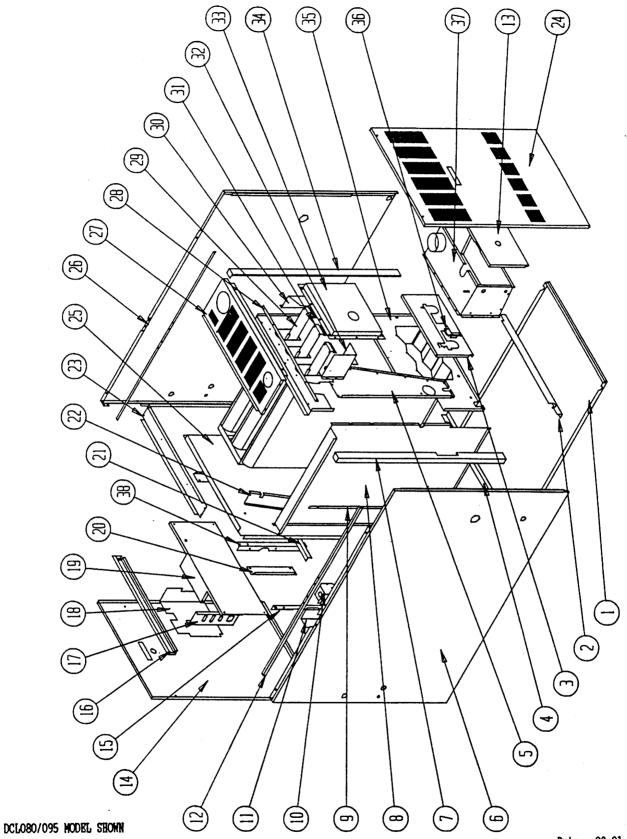
Contact the **installing** and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506

^{*}A complete and current manual consists of pages dated as shown in the following index.

CABINET COMPONENTS



Date: 02-01-94

Supersedes:

2110-867

CABINET COMPONENTS

| | | | D | D | D | D |
|------|-----------|----------------------------|----------------|--------------|----------|--|
| 1 1 | | i | c | c | С | С |
| 1 1 | | | L | L | L | L |
| | | | 0 | 0 | 0 | 1 |
| Dvg. | Part No. | Description | 6 | 8 | 9 | 1 |
| No. | 1010 1101 | | 5 | 0 | 5 | 0 |
| "" | | | D | D | D | D |
| | | | 3 | 4 | 6 | 6 |
| | | | 6 | 8 | 0 | 0 |
| | | | Ā | Ă | A | Ă |
| 1 | S126-232 | Base Assembly | <u>.п</u> | - 11 | | |
| | S126-232 | Base Assembly | " | х | я | |
| 1 | 1 | _ | 1 | n l | ^ | x |
| 1_1_ | S126-234 | Base Assembly | ┼-::- | | | - |
| 2 | 104-917 | Front Base Angle | × | | | |
| 2 | 104-918 | Front Base Angle | | Х | Х | |
| 2 | 104-919 | Front Base Angle | | | | Х |
| 3 | 168-050 | Secondary Air Restrictor | X | | | |
| 3 | 168-055 | Secondary Air Restrictor | | X | X | |
| 3 | 168-060 | Secondary Air Restrictor | - | | | X |
| 4 | 104-920 | Rear Base Angle | X | | | |
| 4 | 104-921 | Rear Base Angle | 1 | Х | Х | 1 |
| 4 | 104-922 | Rear Base Angle | | ļ | | X |
| 5 | 520-227 | Coil Partition Assembly | X | X | X | X |
| 6 | 500-283 | Left Side Assembly | X | X | X | X |
| 7 | S104-889 | Left Side Angle | X | X | X | X |
| 8 | S120-270 | Internal Coil Partition | X | X | X | X |
| 9 | 134-142 | Coil Air Deflector | X | X | X | X |
| 10 | 116-130 | Junction Box | X | X | X | X |
| 11 | 132-107 | Junction Box Cover | X | X | X | X |
| 12 | 104-934 | Side Top Support Angle | X | X | X | X |
| 13 | \$168-052 | Burner Box Cover | X | | | |
| 13 | S168-058 | Burner Box Cover | 1 | X | Х | |
| 13 | \$168-063 | Burner Box Cover | <u> </u> | | , | X |
| 14 | S552-233 | Blower Door Assembly | X | | | |
| 14 | S552-234 | Blower Door Assembly | | Х | Х | |
| 14 | S552-235 | Blower Door Assembly | | | <u> </u> | Х |
| 15 | 104Y925 | Left Blower Angle | Х | | X | х |
| 15 | 1047926 | Left Blower Angle | | Х | | <u> </u> |
| 16 | 108-104 | Upper Back | Х | | | |
| 16 | 108-105 | Upper Back | | х | Х | |
| 16 | 108-106 | Upper Back | 1 | | | x |
| 17 | 116-166 | Control Panel Plug Support | X | X | Х | Х |
| 18 | 132-123 | Control Panel Cover | X | X | × | Х |
| 19 | 116-161 | Control Panel | X | 1 | 1 | |
| 19 | 116-160 | Control Panel | " | x | X | |
| | 116-163 | Control Panel | 1 | " | " | X |
| 19 | | Control Panel Support | 2 | 2 | 2 | 2 |
| 20 | 116-164 | | X | +- | + | \ <u> </u> |
| 21 | 104-936 | Filter Support Angle | ^ | × | l x | 1 |
| 21 | 104-935 | Filter Support Angle | | ^ | ^ | , |
| 21 | 104-937 | Filter Support Angle | +: | + | + ; | X |
| 22 | S136-272 | Internal Coil Fill | X | X | <u> </u> | X |

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CABINET COMPONENTS

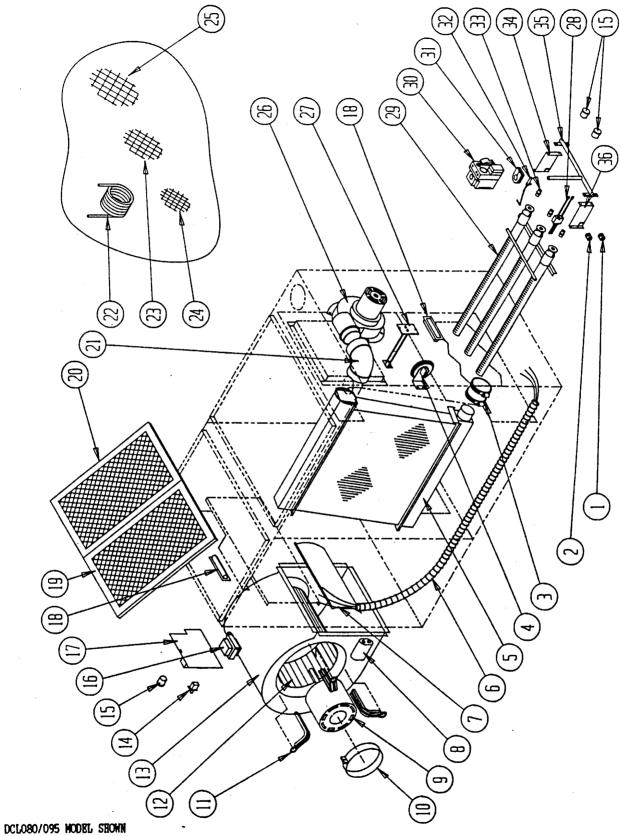
| | | | D | D | D | D |
|------|-----------|---------------------------|--------------|----------|----------|-----|
| | | | C | C | C | C |
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| Dwg. | Part No. | Description | 6 | 8 | 9 | 1 |
| No. | | | 5 | 0 | 5 | 0 |
| ŀ | | | D | D | D | D |
| | | | 3 | 4 | 6 | 6 |
| ł | | | 6 | 8 | 0 | 0 |
| | | | A | A | A | A |
| 23 | 164-545 | Top Channel | X | | | |
| 23 | 164-546 | Top Channel | | X | Х | |
| 23 | 164-547 | Top Channel | | | | X |
| 24 | \$152-209 | Vestibule Door | Х | | | |
| 24 | S152-216 | Vestibule Door | | X | X | |
| 24 | S152-217 | Vestibule Door | | | | х |
| 25 | 520-261 | Blower Partition Assembly | х | | | |
| 25 | 520-262 | Blower Partition Assembly | | Х | Х | |
| 25 | 520-263 | Blower Partition Assembly | | | | х |
| 26 | 500-282 | Right Side Assembly | X | Х | X | х |
| 27 | S106-152 | Top Fill Assembly | Х | | | |
| 27 | S106-151 | Top Fill Assembly | | Х | Х | 1 1 |
| 27 | S106-153 | Top Fill Assembly | <u> </u> | | | X |
| 28 | 104-895 | Top Fill Angle. | Х | | | 1 1 |
| 28 | 104-896 | Top Fill Angle | | Х | Х | |
| 28 | 104-897 | Top Fill Angle | <u> </u> | | | Х |
| 29 | 168-002 | Internal Flue Baffle | 2 | 3 | 3 | 2 |
| 30 | 134-121 | Intake Air Shield | X | <u> </u> | | |
| 31 | 168-013 | Internal Flue Baffle | ļ | ļ | | 2 |
| 32 | 134-120 | Vent Air Shield | X | X | X | X |
| 33 | S168-054 | Collector Box Assembly | X | | | |
| 33 | S168-081 | Collector Box Assembly | | Х | Х | |
| 33 | S168-064 | Collector Box Assembly | | ļ | ļ | X |
| 34 | S104-903 | Right Side Angle | X | - X | X | X |
| 35 | 171-216 | Heat Exchanger Assembly | Х | | | |
| 35 | 171-217 | Heat Exchanger Assembly | | X | Х | |
| 35 | 171-218 | Heat Exchanger Assembly | ļ | <u> </u> | | X |
| 36 | 112-147 | Ignitor Bracket | X | X | X | Х |
| 37 | 913-0066 | Burner Box Assembly | Х | | | |
| 37 | 913-0067 | Burner Box Assembly | | Х | Х | |
| 37 | 913-0070 | Burner Box Assembly | 1 | | ļ | X |
| 38 | 104X925 | Right Blower Angle | Х | | х | x |
| 38 | 104X926 | Right Blower Angle | <u> </u> | X | | |

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FUNCTIONAL COMPONENTS



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FUNCTIONAL COMPONENTS

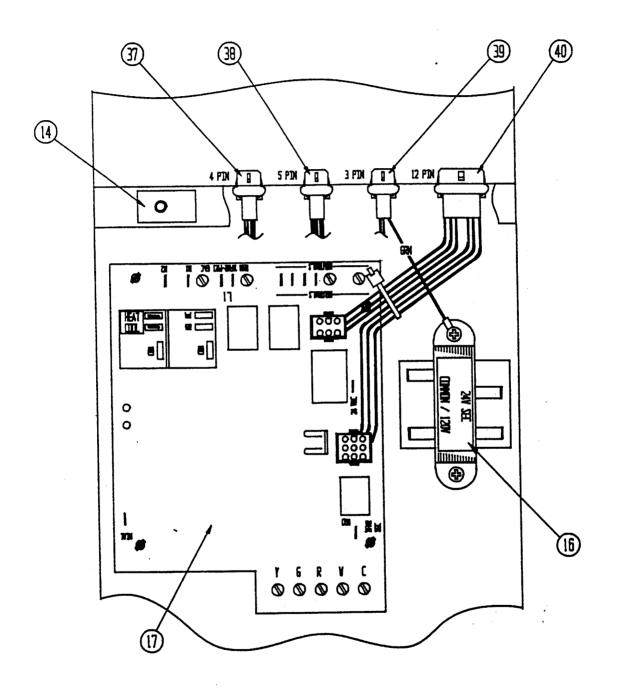
| | | | D | D | D | D |
|------|---------------|---|--|-----|----|------|
| | | | c l | c | C | c |
| | | | į, | I. | L | į, l |
| | | · | 0 | 0 | 0 | 1 |
| D | Dont No. | Description | - 1 | 8 | - | - 1 |
| Dwg. | Part No. | Description | 6 | - 1 | 9 | 1 |
| No. | | | 5 | 0 | 5 | 0 |
| | | | D | D | D | D |
| | | | 3 | 4 | 6 | 6 |
| | | | 6 | 8 | 0 | 0 |
| | | | _ A | A | A | A |
| 1 | 8611-074 | Double Terminal Bushing | X | X | X | X |
| 2 | 8611-073 | Single Terminal Bushing | X | X | X | Х |
| 3 | 6093-007 | No-Hub Connector | Х | Х. | X | X |
| 4 | 8406-069 | Pressure Switch | х | 1 | ł | j |
| 4 | 8406-070 | Pressure Switch | | Х | Х | X |
| 5 | 5055-004 | Coil Assembly | 1 | х | | |
| 5 | 5055-003 | Coil Assembly | х | | Х | х |
| 6 | S8611-089 | Plastic Wire Channel | Х | Х | Х | х |
| 7 | 3000-1014 | Wire Harness | Х | Х | Х | х |
| 8 | 8552-002 | Capacitor 5 MFD 370V | Х | | | |
| 8 | 8552-004 | Capacitor 7-1/2 MFD 370V | | х | - | 1 |
| 8 | 8552-026 | Capacitor 15 MFD 370V | | | х | |
| 8 | 8552-034 | Capacitor 15 MFD 440V | . 1 | | · | x |
| -9 | 8105-037 | 1/3 HP Motor 115V | Х | | | |
| 9 | 8106-033 | 1/2 HP Motor 115V | | х | | 1 |
| 9 | 8107-007 | 3/4 HP Motor 115V | | | x | |
| 9 | 8107-008 | 3/4 HP Motor 115V | | | n | x |
| 10 | 8200-033 | Motor Mount Band | Х | X | X | X |
| 11 | 8200-034 | Motor Mount Arm | X | X | | |
| 11 | 2 | | ^ | ^ | | |
| + | 8200-035 | Motor Mount Arm | | | X | X |
| 12 | 5152-013 | Blower Wheel | X | | | |
| 12 | 5152-059 | Blower Wheel | | X | | |
| 12 | 5152-053 | Blower Wheel | | | X, | |
| 12 | 5152-072 | Blower Wheel | 1 1 | | | X |
| 12 | 5152-073 | Blower Wheel | ļ | | | Х |
| 13 | 151-085 | Blower Housing | X | | | |
| 13 | 151-082 | Blower Housing | | X | | |
| 13 | 5152-050 | Blower Housing (1) | 1 | | Х | |
| 13 | 151-102 | Left Blower Housing | | | | Х |
| 13 | 151-103 | Right Blower Housing | | | | Х |
| 14 | 8406-047 | Door Switch | X | Х | Х | Х |
| 15 | 8611-075 | Sight Glass | Х | Х | X | Х |
| 16 | 8407-039 | Transformer 40VA | Х | Х | Х | х |
| 17 | 5651-084 | Furnace Control | Х | Х | Х | Х |
| 18 | 1171-025 | Door Pull | Х | 'X | Х | Х |
| 19 | 7003-023 | 9.5 x 20 Permanent Filter | 2 | | | |
| 19 | 7003-016 | 13 x 20 Permanent Filter | | 1_ | 1 | 2 |
| 20 | 7003-021 | 10 x 20 Permanent Filter | | 1 | 1 | |
| 21 | 6095-006 | High Temperature Elbow | X | Х | X | Х |
| 22 | 5452-005-6000 | Vinyl Drain Hose | X | X | X | Х |
| | | est No E1E2 OEO includes bousing diffusor and | | | | |

(1) Drawing No. 31 part No.5152-050 includes housing, diffuser, and wheel part No. 5152-053.

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FUNCTIONAL COMPONENTS

| Dug. Part No. Description C | 1 1 | | | | | | |
|---|-----|--------------|----------------------------|-----|-----|--|-----|
| Dwg. Part No. Description | | | | D | D | D | D |
| Dwg. Part No. Description 6 8 9 1 | | | | i 1 | - 1 | | • 1 |
| Dwg. Part No. Description 6 8 9 1 | | | | - 1 | - 1 | | _ |
| No. 5 | | | | ı . | | · · I | - 1 |
| D D D D D D D S S S S S S S S S S S S | 1 1 | Part No. | Description | - 1 | i | | · · |
| 23 7002-023 Bird Screen 2.875 Diameter 2 2 2 2 2 2 2 2 2 | ₩0. | | | | | | |
| Bird Screen 2.875 Diameter 2 | | | | | | D | D |
| A A A A A A A A A A A A A A A A A A A | | | | 3 | - 1 | 6 | 6 |
| 23 7002-023 | | | | | 8 | 0 | 0 |
| 24 7002-022 Bird Screen 2.375 Diameter 2 2 2 2 2 2 2 2 2 | | | | | _ A | A | A |
| 25 | | | | | | | |
| 25 7002-025 Bird Screen 4.500 Diameter | + | | | | | | |
| 26 | | · · | Bird Screen 3.500 Diameter | 2 | 2 | 2 | |
| Section | | 7002-025 | Bird Screen 4.500 Diameter | | | | 2 |
| 27 8402-078 Limit 175 degree F x | 26 | 8620-084 | Induced Draft Blower | х | X | Х | х |
| 28 8553-003 Ignitor x | 27 | 8402-089 | Limit 230 degree F | Х | , | | |
| 29 9010-061 Burner 2 cell x x x 29 9010-062 Burner 3 cell x x 29 9010-063 Burner 4 cell x x 30 5651-083 Gas Valve x x 30 5651-089 Gas Valve x x 30 5651-106 Gas Valve x x x 31 5451-017 Manifold Gromnet x x x x 32 8554-016 Sensor x x x x x 33 9010-043 Gas Orifice #36 2 2 3 4 < | 27 | 8402-078 | Limit 175 degree F | | X | X | х |
| 29 9010-062 Burner 3 cell x x 29 9010-063 Burner 4 cell x x 30 5651-083 Gas Valve x x 30 5651-089 Gas Valve x x 30 5651-106 Gas Valve x x x 31 5451-017 Manifold Grommet x x x x x 32 8554-016 Sensor x | 28 | 8553-003 | Ignitor | Х | Х | Х | х |
| 29 9010-063 Burner 4 cell | 29 | 9010-061 | Burner 2 cell | Х | | | |
| 30 5651-083 Gas Valve | 29 | 9010-062 | Burner 3 cell | | Х | х | i i |
| 30 5651-089 Gas Valve | 29 | 9010-063 | Burner 4 cell | | | | l x |
| 30 5651-106 Gas Valve | 30 | 5651-083 | Gas Valve | Х | | | |
| 30 5651-106 Gas Valve | 30 | 5651-089 | Gas Valve | | X | Х | |
| 31 5451-017 Manifold Grownet x </td <td>30</td> <td>5651-106</td> <td>Gas Valve</td> <td></td> <td></td> <td></td> <td>x</td> | 30 | 5651-106 | Gas Valve | | | | x |
| 32 8554-016 Sensor x | | | | Х | Х | Х | 1 |
| 33 9010-043 Gas Orifice #36 2 33 9010-057 Gas Orifice 2.45MM 3 33 9010-052 Gas Orifice 2.70MM 3 33 9010-010 Gas Orifice #38 4 34 S112X194 Right Manifold Bracket X X X 35 5818-028 Gas Manifold X X 35 5818-029 Gas Manifold X X 35 5818-030 Gas Manifold X X 36 S112Y194 Left Manifold Bracket X X X 37 3000-1019 4 Pin Wire Assembly X X X 38 3000-1018 5 Pin Wire Assembly X X X 39 3000-1016 3 Pin Wire Assembly X X X X | 32 | 8554-016 | | Х | Х | Х | х |
| 33 9010-052 Gas Orifice 2.70MM 3 33 9010-010 Gas Orifice #38 4 34 S112X194 Right Manifold Bracket x x x x 35 5818-028 Gas Manifold x x x 35 5818-029 Gas Manifold x x 35 5818-030 Gas Manifold x x 36 S112Y194 Left Manifold Bracket x x x 37 3000-1019 4 Pin Wire Assembly x x x x 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | 33 | | Gas Orifice #36 | 2 | | | |
| 33 9010-052 Gas Orifice 2.70MM 3 33 9010-010 Gas Orifice #38 4 34 S112X194 Right Manifold Bracket x x x x x 35 5818-028 Gas Manifold x x x x x 35 5818-029 Gas Manifold x x x x x x 36 S112Y194 Left Manifold Bracket x x x x x 37 3000-1019 4 Pin Wire Assembly x x x x x 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | 33 | 9010-057 | Gas Orifice 2.45MM | | 3 | | |
| 34 S112X194 Right Manifold Bracket x x x x 35 5818-028 Gas Manifold x x x 35 5818-029 Gas Manifold x x 35 5818-030 Gas Manifold x x 36 S112Y194 Left Manifold Bracket x x x 37 3000-1019 4 Pin Wire Assembly x x x 38 3000-1018 5 Pin Wire Assembly x x x 39 3000-1016 3 Pin Wire Assembly x x x | 33 | 9010-052 | Gas Orifice 2.70MM | 1 | | 3 | 1 1 |
| 34 S112X194 Right Manifold Bracket x x x x 35 5818-028 Gas Manifold x x x 35 5818-029 Gas Manifold x x 35 5818-030 Gas Manifold x x 36 S112Y194 Left Manifold Bracket x x x 37 3000-1019 4 Pin Wire Assembly x x x 38 3000-1018 5 Pin Wire Assembly x x x 39 3000-1016 3 Pin Wire Assembly x x x | 33 | 9010-010 | Gas Orifice #38 | | | | 4 |
| 35 5818-028 Gas Manifold x x x 35 5818-029 Gas Manifold x x 35 5818-030 Gas Manifold x x 36 S112Y194 Left Manifold Bracket x x x 37 3000-1019 4 Pin Wire Assembly x x x 38 3000-1018 5 Pin Wire Assembly x x x 39 3000-1016 3 Pin Wire Assembly x x x | | | | Х | Х | Х | 1 |
| 35 5818-029 Gas Manifold x x 35 5818-030 Gas Manifold x x 36 S112Y194 Left Manifold Bracket x x x x 37 3000-1019 4 Pin Wire Assembly x x x x 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | | | | 1 | | | |
| 35 5818-030 Gas Manifold x 36 S112Y194 Left Manifold Bracket x x x 37 3000-1019 4 Pin Wire Assembly x x x 38 3000-1018 5 Pin Wire Assembly x x x 39 3000-1016 3 Pin Wire Assembly x x x | | 1 | 1 | | x | x | |
| 36 S112Y194 Left Manifold Bracket x x x x 37 3000-1019 4 Pin Wire Assembly x x x x 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | | | Gas Manifold | | | 1 | x |
| 37 3000-1019 4 Pin Wire Assembly x x x x 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | | | | Х | Х | Х | |
| 38 3000-1018 5 Pin Wire Assembly x x x x 39 3000-1016 3 Pin Wire Assembly x x x x | + | | | | | | |
| 39 3000-1016 3 Pin Wire Assembly x x x x | + | | | | | | t |
| | + | | | Х | | | Х |
| 140 3000-1013 12 Pin Wire Assembly X X X X X | 40 | 3000-1013 | 12 Pin Wire Assembly | Х | Х | Х | Х |

Date: 02-01-94

Supersedes:

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