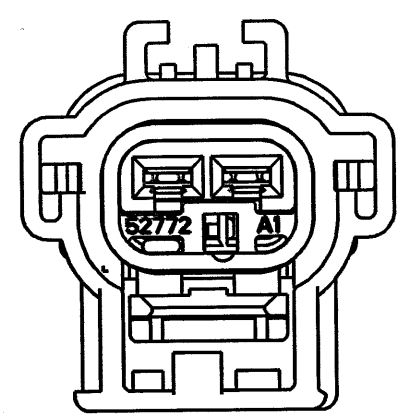
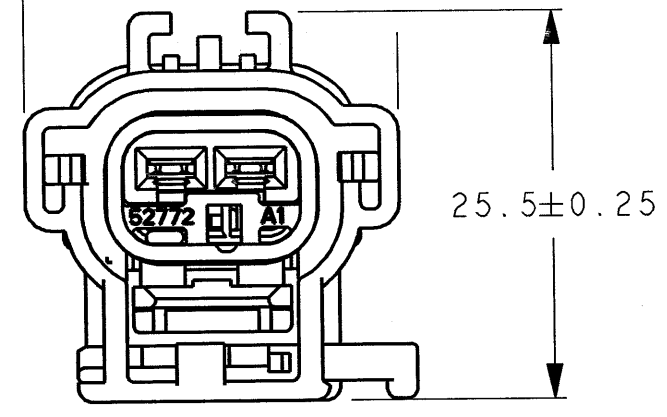
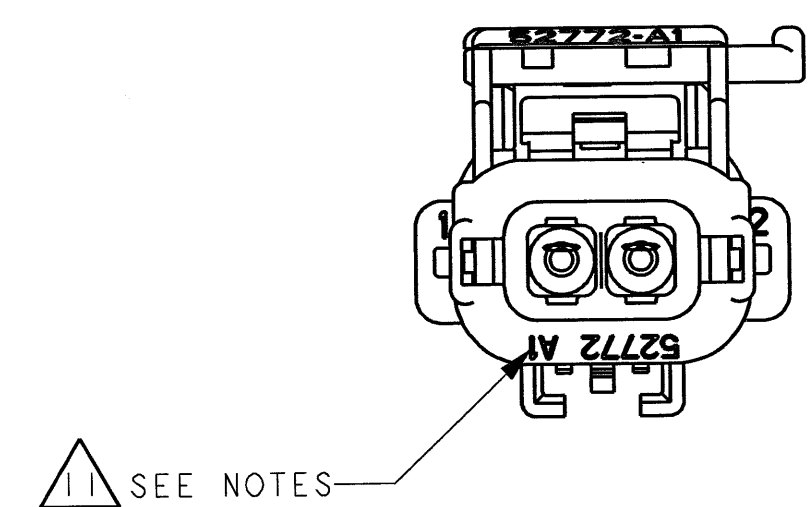
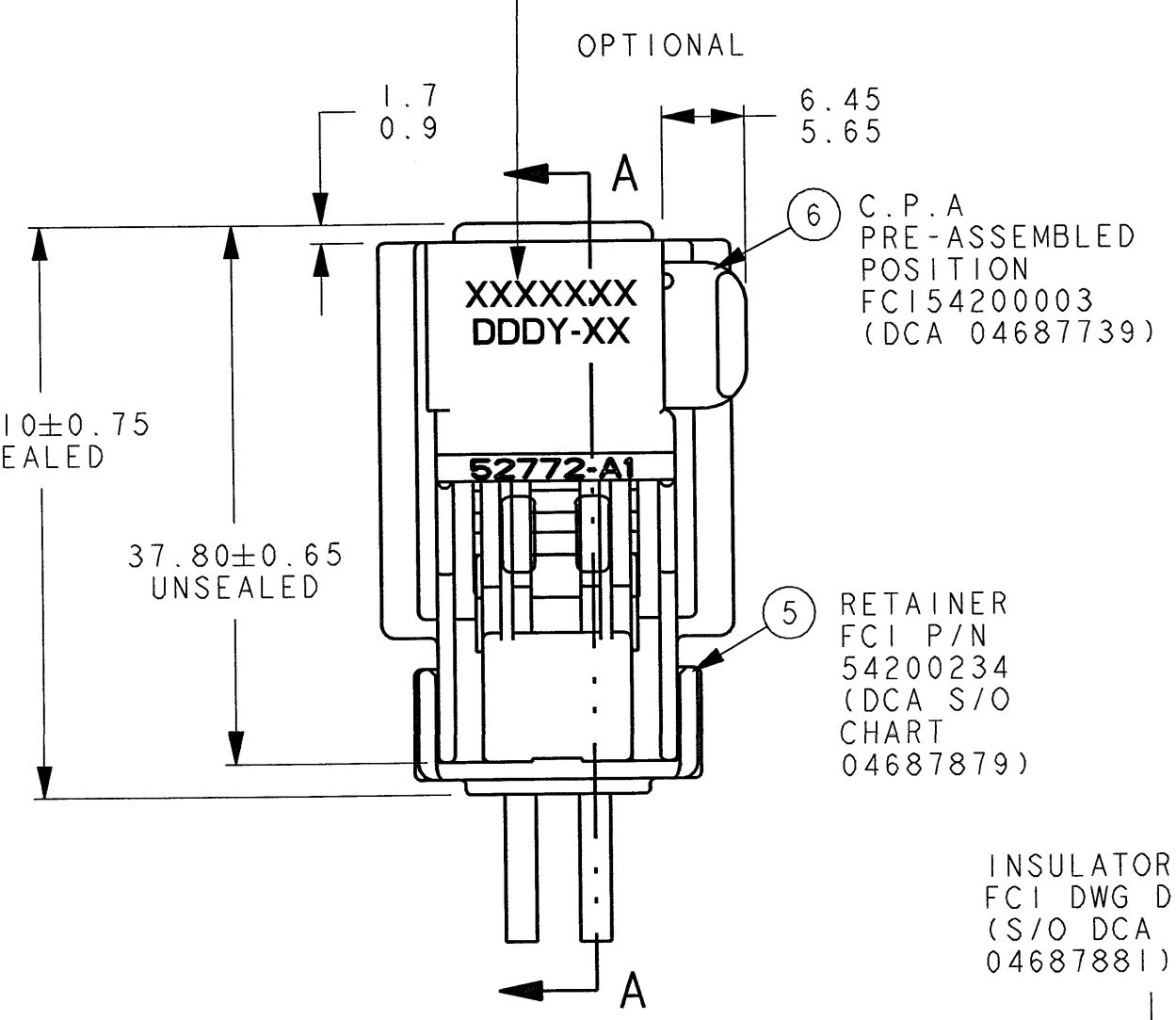




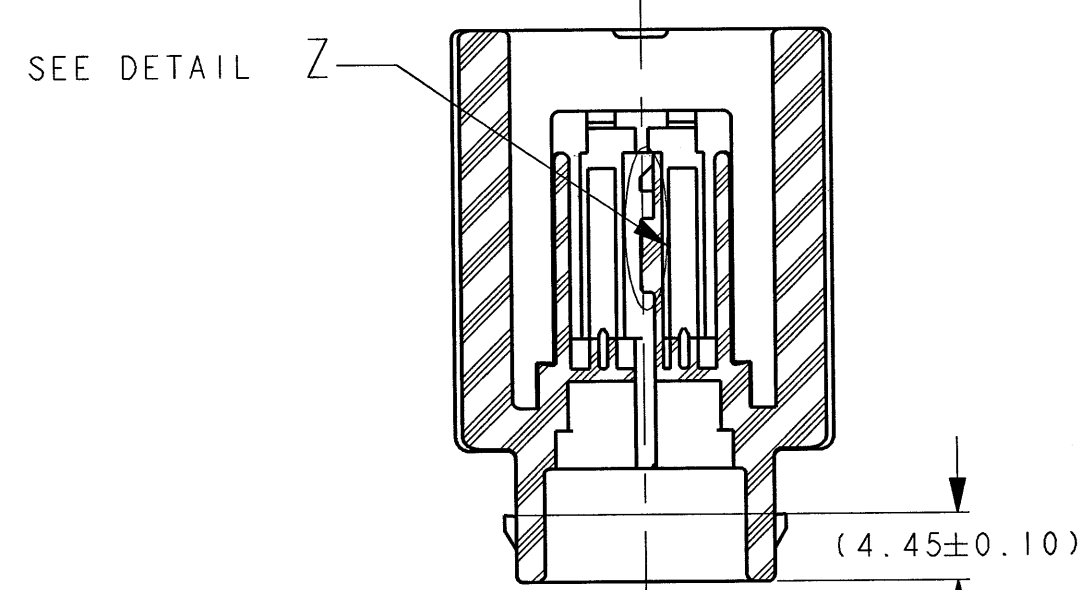
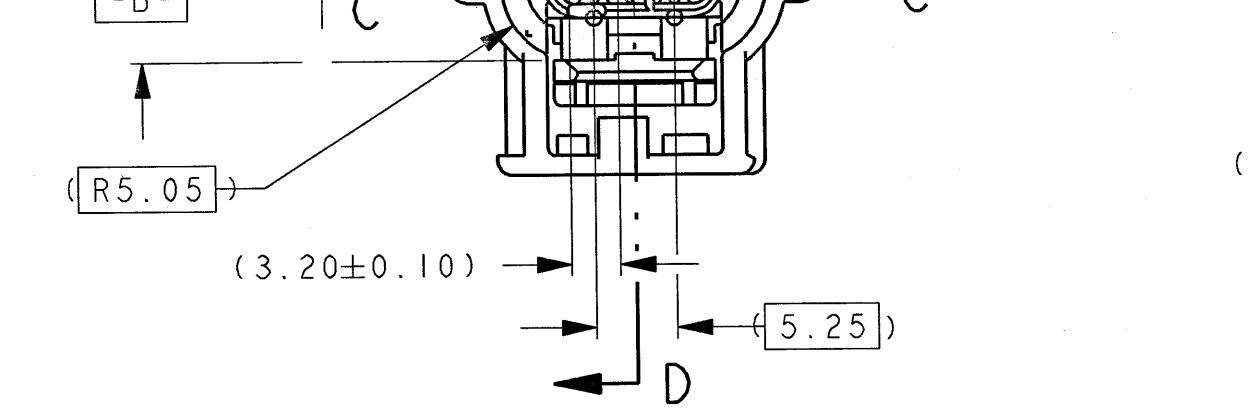
WITHOUT CPA  
SEE P/N CHART  
ALL DIMENSIONS SAME  
AS WITH CPA



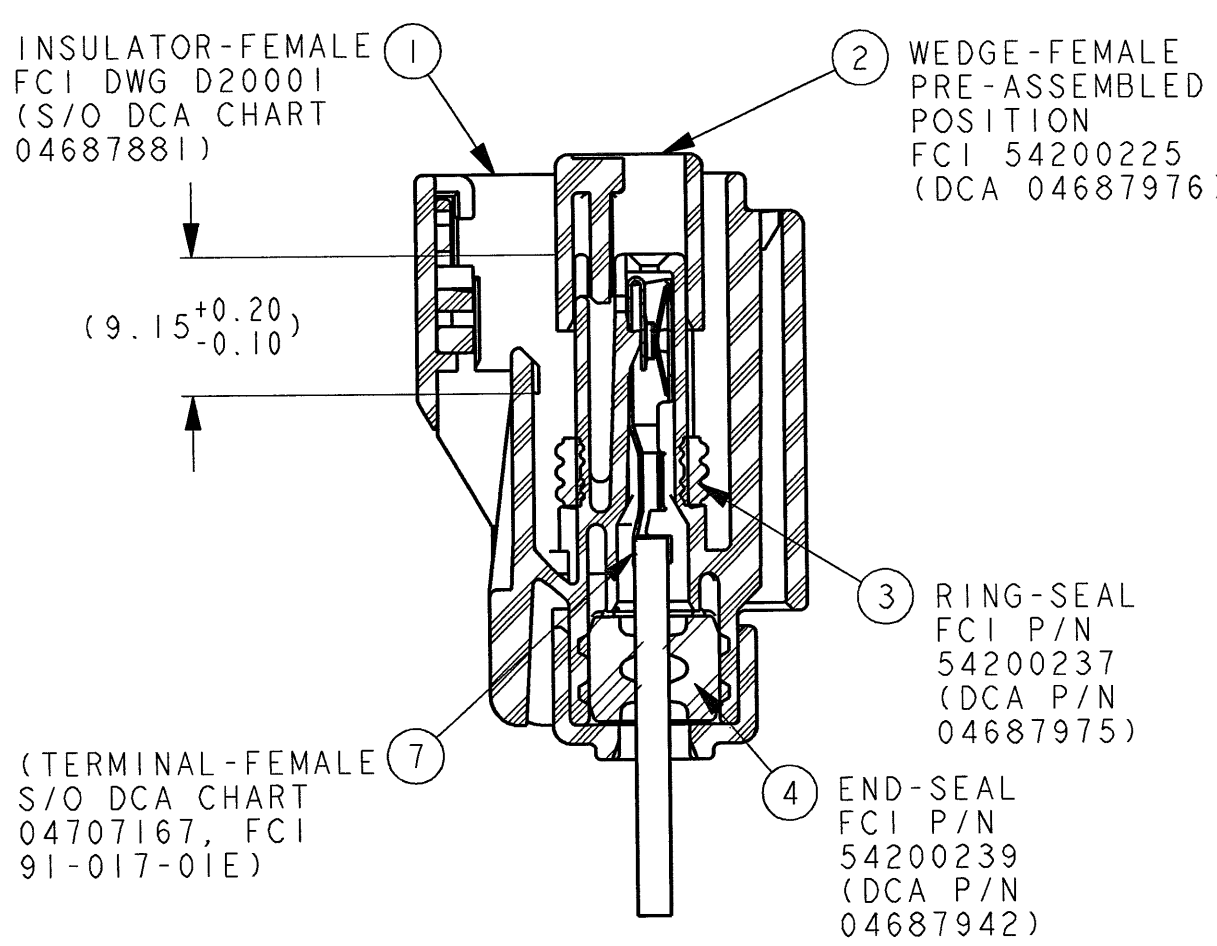
LAST 5 DIGITS OF 8 DIGIT P/N  
& PART CHANGE LEVEL (PCL) OR  
LAST 6 DIGITS OF 9 DIGIT OR  
10 DIGIT P/N & PART CHANGE  
LEVEL (PCL)  
MFG. DAILY DATE CODE & ASSY  
MACHINE NO. LETTERING MUST  
BE LEGIBLE.  
OPTIONAL



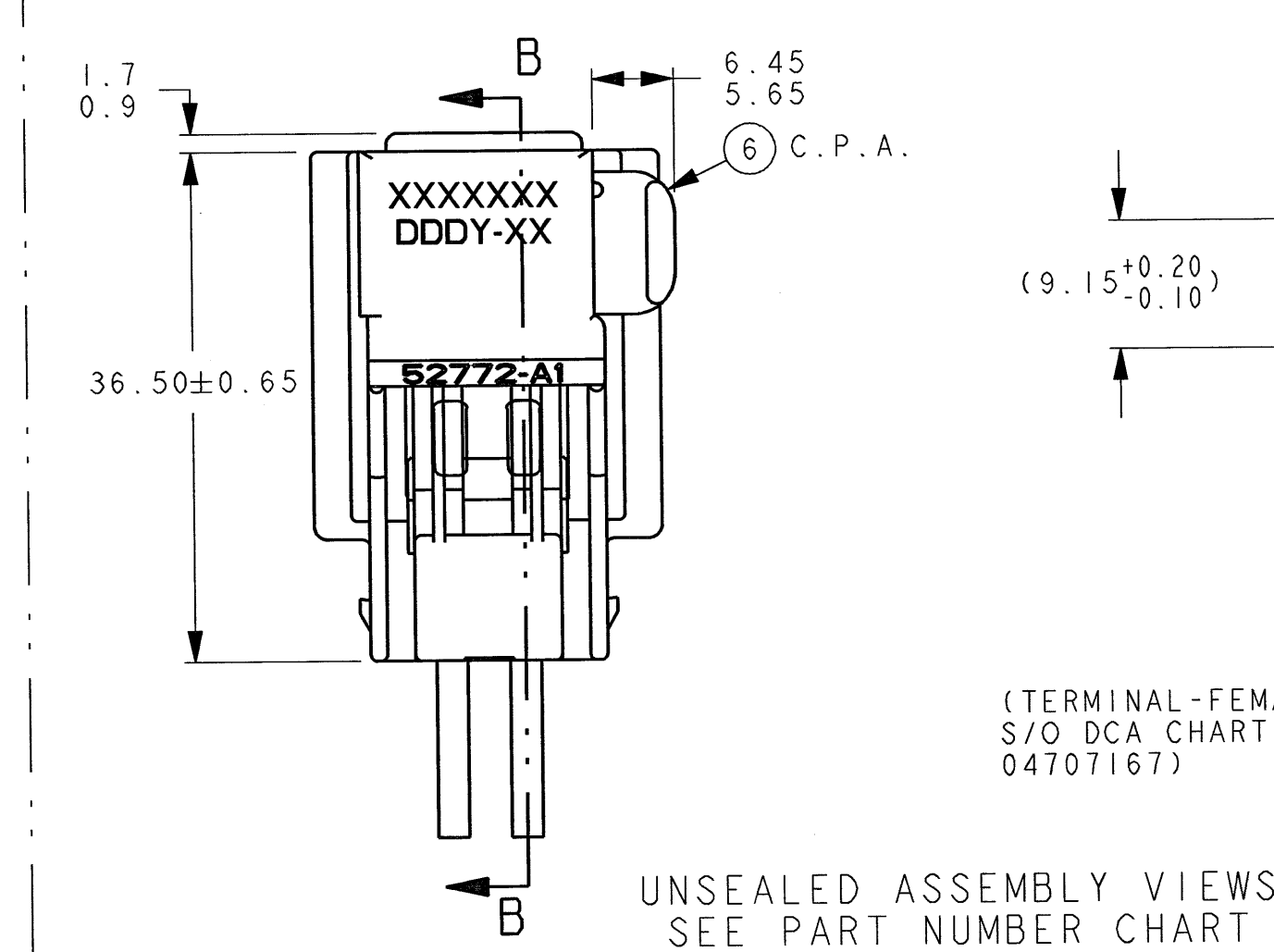
SEALED ASSEMBLY VIEWS  
SEE P/N CHART  
SHOWN WITH CPA'S



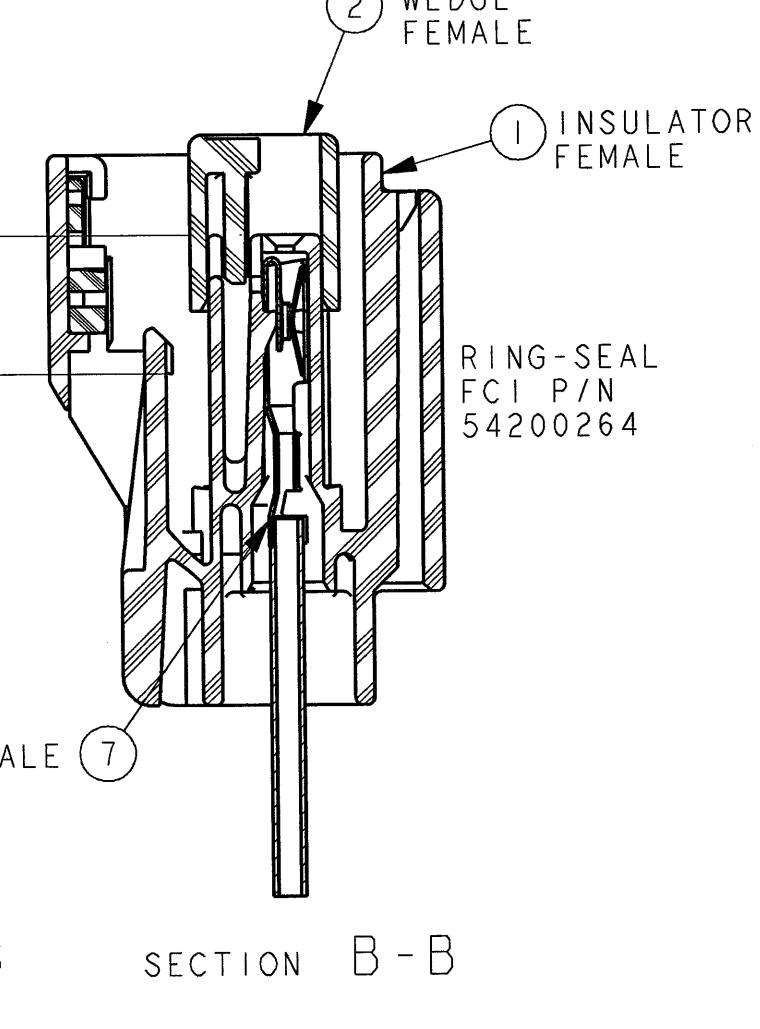
FOR REFERENCE ONLY  
INSULATOR VIEWS



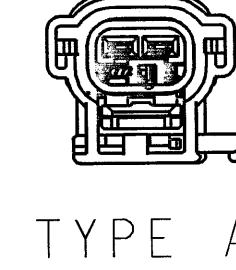
SECTION A-A



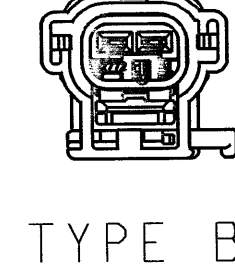
UNSEALED ASSEMBLY VIEWS  
SEE PART NUMBER CHART



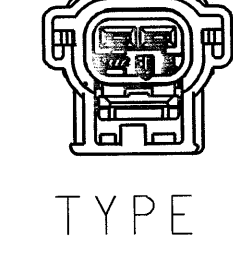
RING SEAL SHOWN AS  
REFERENCE FOR  
54200263 ASSY ONLY



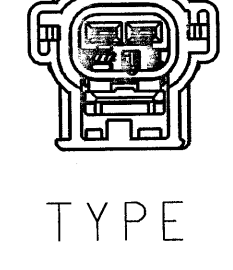
TYPE A



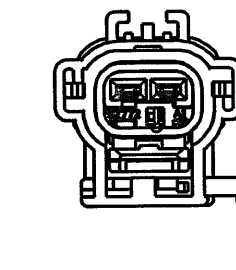
TYPE B



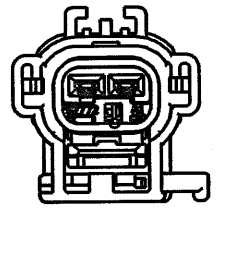
TYPE A



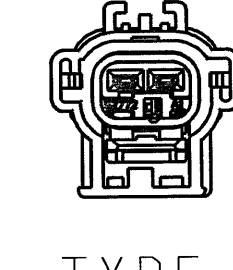
TYPE B



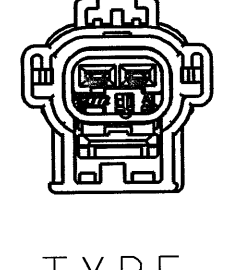
TYPE C



TYPE D



TYPE C



TYPE D

POLARIZATION OPTIONS  
FULL SIZE  
SHOWN W/CPA

POLARIZATION OPTIONS  
FULL SIZE  
SHOWN W/O CPA

- NOTES:
- QUALITY ASSURANCE REQUIREMENTS PER DCA PS-7300: 1 SPC DATA REQUIRED.
  - ENGINEERING APPROVAL OF SUPPLIER SAMPLES IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
  - CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
  - WIRING FABRICATORS MUST PURCHASE FROM SOURCES SHOWN.
  - ALL THE SEALED CONNECTOR APPLICATIONS MUST BE USED WITH DCA WIRE SPEC. MS-8288 OR MS-9502 THIN WALL X-LINK ONLY.
    - A- ASSEMBLIES WITH FCI P/N 54200239 OR 54200240 END SEAL MUST BE USED WITH 20 THRU 14 GAGE WIRES (INS. Ø1.70 MIN - Ø2.7 MAX)
    - B- ASSEMBLIES WITH FCI P/N 54200241 END SEAL MUST BE USED WITH 12 OR 10 GAGE WIRES (INS. Ø3.07 MIN - Ø4.09 MAX)
  - FCI P/N'S 54200238 RING SEAL & 54200240 END SEAL BAKED AT 450°F FOR 5 HOURS
  - ALL NON-REFERENCE APPLICATIONS MAY BE USED WITH ANY WIRE INSULATION 22 GAGE THRU 10 GAGE (EXCEPT AS NOTED) PROVIDING THAT A TERMINAL GRIP FOR THAT CORE/INSULATION COMBINATION IS SHOWN ON THE FEMALE TERMINAL DRAWING.
    - MAX. INSULATION CRIMP WIDTH = 4.50
    - MAX. INSULATION CRIMP HEIGHT = 4.50
    - MAX. INSULATION DIA = 4.09 (10 GA THIN WALL)
  - USE WITH CAVITY PLUG FCI P/N 54200005 (DCA P/N 56038308) WHEN REQ'D USE WITH DOUBLE X-MAS TREE CLIP DCA P/N 04707091 WHEN REQUIRED USE WITH SINGLE X-MAS TREE CLIP DCA P/N 04625797 WHEN REQUIRED
  - DIRECT CONNECT DRAWING NO. 04707027
  - TEST METHOD PER DCA PERFORMANCE SPEC PF-9600, CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSION FORCE NOT TO EXCEED 75 N FOR THIS SYSTEM

CPA SEATING FORCES - 40 N. MAX  
WEDGE SEATING FORCES - 100 N. MAX  
X-MAS TREE CLIP INSERTION FORCES - 75 N. MAX

- SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE
- ANNUAL QUALITY REQUIREMENTS:
  - IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION 8404-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 & PF-9600
- ALL NON-REFERENCE DIMENSIONS ARE REQUIRED
  - USE INDEX A, BLACK SEALED AND UNSEALED FOR ALL AFFECTED INSULATOR CAVITIES
  - CURRENT PRODUCTION TOOLING
  - POINT OF LAST RUN

SERVICE TOOLING GUIDE INFORMATION PER APEX TRAINING MANUAL

FCI P/N 54200259 NOT PRODUCED USE FCI P/N 55200200

MUST CONFORM TO THE FOLLOWING DCA/YNA STANDARDS:

PF-9600 PERFORMANCE (DCA) EXCEPT AS NOTED ABOVE  
PS-7300 QUALITY ASSURANCE (DCA)  
PS-4480-CEK-4 (DCA) PART 1, 0, 1 (G-009-2 YNA)  
PS-9065 REGIRD (DCA), (G-009-3 YNA)  
PS-9227 DATA EXCHANGE (DCA), (G-009-7 YNA)  
PS-10052 INFORMATION SECURITY (DCA)

- THIS DRAWING (H59000) REPLACES DCA DRAWING NUMBER 04687874 LEVEL "P"
- FCI P/N WITH SUFFIX "N" DESIGNATES ASSEMBLIES W/O CPA
- PRIMARY CONNECTOR LATCH OPTIONS #1 & #2 ARE FULLY INTERCHANGEABLE WITH MALE CONNECTOR OR DIRECT CONNECT
- MUST BE USED WITH FLUOROSILICONE END SEAL P/N 54200265, RETAINER P/N 54200234 & PROPER GAGE TEFLON WIRES FOR FLEX FUEL OR DIESEL FUEL APPLICATIONS. ASSEMBLE TERMINALS THROUGH RETAINER & ENDSEAL PRIOR TO ASSEMBLING INTO TERMINAL CAVITY.

UNCONTROLLED  
FCI AUTOMOTIVE  
12/7/2006  
AMERICAS  
FCI MASTER COPY WHEN IN RED

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| PART NUMBER | PART NUMBER | REV DATE | REV | DRAWING NUMBER |
|-------------|-------------|----------|-----|----------------|
| F.C.I.      |             |          |     | CUSTOMER       |

| MATING PART NUMBER CHART |          |          |                              |            |              |          |                                                |                            |  |
|--------------------------|----------|----------|------------------------------|------------|--------------|----------|------------------------------------------------|----------------------------|--|
| D                        | NATURAL  | UNSEALED | 54200203N                    | N/A        | N/A          | 55200209 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          |          | SEALED   | 54200203                     | 04687920   | 7283-5373    | 55200209 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          | NATURAL  | SEALED   | 54200262                     | N/A        | N/A          | 54200216 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          |          | SEALED   | 54200209N                    | N/A        | N/A          | 55200205 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
| C                        | DK GREY  | SEALED   | 54200209                     | 04687916   | 7283-5375    | 55200205 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          |          | UNSEALED | 54200202N                    | N/A        | N/A          | 55200208 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          | DK BROWN | UNSEALED | 54200202                     | 04687919   | 7283-5372-10 | 55200208 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          |          | SEALED   | 54200261                     | N/A        | N/A          | 54200275 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
| B                        | DK GREY  | SEALED   | 54200208N                    | N/A        | N/A          | 55200204 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          |          | SEALED   | 54200208                     | 04687914   | 7283-5374-10 | 55200204 | DIRECT CONNECT APPLICATION                     | N/A                        |  |
|                          | LT GREY  | UNSEALED | 54200201N                    | N/A        | N/A          | 54200205 | N/A                                            | N/A                        |  |
|                          |          | UNSEALED | 54200201                     | 04687918   | 7283-5371-40 | 54200205 | 04687924                                       | -                          |  |
| A                        | DK BLUE  | SEALED   | 54200260                     | N/A        | N/A          | 54200274 | N/A                                            | N/A                        |  |
|                          |          | SEALED   | 54200207N                    | N/A        | N/A          | 54200211 | N/A                                            | N/A                        |  |
|                          | LT GREY  | SEALED   | 54200207                     | 04687913   | 7283-5359-40 | 54200211 | 04687922                                       | -                          |  |
|                          |          | UNSEALED | 54200251N                    | N/A        | N/A          | -        | -                                              | -                          |  |
|                          | LT GRN   | UNSEALED | 54200251                     | 04868293AA | -            | -        | -                                              | -                          |  |
|                          |          | SEALED   | 54200212N                    | N/A        | N/A          | 54200233 | N/A                                            | N/A                        |  |
|                          | BLACK    | SEALED   | 54200122                     | 04688917   | 7283-5367-60 | 54200233 | 04868133AA                                     | -                          |  |
|                          |          | UNSEALED | 54200200N                    | N/A        | N/A          | 54200204 | N/A                                            | N/A                        |  |
|                          | DK GRN   | UNSEALED | 54200200                     | 04688917   | 7283-5358-30 | 54200204 | 04687923                                       | -                          |  |
|                          |          | SEALED   | 54200263                     | N/A        | N/A          | DEVICE   | N/A                                            | N/A                        |  |
|                          | DK GRN   | SEALED   | 54200206                     | 04687912   | 7283-5292-30 | 54200210 | 04687921                                       | 7283-5292-30               |  |
|                          |          | SEALED   | 54200213N                    | N/A        | N/A          | 54200215 | N/A                                            | N/A                        |  |
| INDEX TYPE               | COLOR    | SEALED   | 54200213                     | 04793832   | -            | 54200215 | 04793833                                       | -                          |  |
|                          |          | SEALED   | 54200214N                    | 56021913AA | 7283-6210-30 | -        | -                                              | DIRECT CONNECT APPLICATION |  |
|                          |          | SEALED   | 55200200                     | N/A        | 7283-8377-60 | 54200273 | -                                              | -                          |  |
|                          |          | SEALED   | 55200200N                    | N/A        | -            | 54200273 | N/A                                            | N/A                        |  |
|                          |          |          | FCI                          | (DCA)      | YNA          | FCI      | (DCA)                                          | YNA                        |  |
|                          |          |          | DCA APPLICATION              |            |              |          | MATING ASSEMBLY PART NUMBER FOR REFERENCE ONLY |                            |  |
|                          |          |          | FEMALE ASSEMBLY PART NUMBERS |            |              |          |                                                |                            |  |



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[54200209](#) [54200214N](#) [54200201](#) [54200202](#) [54200203](#)