



POLARIZATION OPTIONS FULL SIZE SHOWN W/CPA

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DESIGNATES TEMP. CLASS 4 PART

OPTIONAL

LAST 5 DIGITS OF 8 DIGIT P/N & PART CHANGE LEVEL (PCL) OR

LAST 6 DIGITS OF 10 DIGIT OR OF PDS P/N & PART CHANGE LEVEL (PCL)

MFG. DAILY DATE CODE & ASSY MACHINE NO. LETTERING MUST BE LEGIBLE

INSULATOR VIEWS FOR REFERENCE ONLY

SEALED (PARTIAL) ASSEMBLY VIEW

UNSEALED ASSEMBLY VIEW

- NOTES:
- QUALITY ASSURANCE REQUIREMENTS PER CHRYSLER 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 CHRYSLER WIRE SPEC. MS-8288 OR MS-9502 THIN WALL X-LWK 20, 18, 16, 14, 12 & 10 GAGE WIRES ONLY UNLESS OTHERWISE SPECIFIED. SEE CHART (WIRE INSULATIONS Ø1.70 MIN TO Ø4.09 MAX.)
 - ALL NON-SEALED 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)
 - MUST BE USED WITH FLUOROSILICONE END SEAL FCI P/N 54200430, RETAINER & PROPER GAGE TEFELON WIRES FOR METHANOL OR DIESEL FUEL APPLICATIONS
 - USE WITH CAVITY PLUG FCI P/N 54200005. WHEN REQ'D USE WITH 2.8MM APEX FEM. TERM. PER C15004-CUST SYM. ABOUT CENTERLINE FOR 180° ORIENTATION
 - TEST METHOD PER SAE/USCAR-2 REV. 5. CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSURE FORCE NOT TO EXCEED 75 N. FOR THIS SYSTEM
 - CPA SEATING FORCES - 40 N. MAX.
 - WEDGE SEATING FORCES - 100 N. MAX.
 - SUPPLIER, MOLD & CAVITY I.D. MUST BE LEGIBLE
 - ANNUAL QUALITY REQUIREMENTS: IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION #80A-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
 - MUST CONFORM TO THE FOLLOWING CHRYSLER/YNA NOTATIONS:
 - PF-9600 PERFORMANCE (CHRYSLER) EXCEPT AS NOTED ABOVE
 - PS-7300 QUALITY ASSURANCE (CHRYSLER)
 - PS-4480 CER-4 (CHRYSLER) PART I.D. (G-009-2 YNA)
 - PS-9065 REGRIND (CHRYSLER), (G-009-3 YNA)
 - PS-9227 DATA EXCHANGE (CHRYSLER), (G-009-7 YNA)
 - PS-10052 INFORMATION SECURITY (CHRYSLER)

MATING PART NUMBER CHART

D	NATURAL	UNSEALED			
		FCI P/N	SEAL P/N	CPA P/N	SEAL P/N
D	NATURAL	UNSEALED 54200404N	N/A	54200424, 54200408	N/A
		UNSEALED 54200404	C 56038053	54200424, 54200408	C 56042179, 56038055
F	BLACK	SEALED 54200412N	N/A	54200416	N/A
		SEALED 54200412	C 04707264	54200416	C 04707380
C	DK GREY	UNSEALED F815600	N/A	F25600	N/A
		UNSEALED 54200403N	N/A	54200407	N/A
C	DK GREY	UNSEALED 54200403	C 56038193	54200407	C 56038194
		SEALED 54200411N	N/A	54200415	N/A
B	LT GREY	SEALED 54200411	C 04707263	54200415	C 04707379
		SEALED 55200428N	N/A	54200429	N/A
B	BLACK	SEALED F815600	N/A	F125600	N/A
		UNSEALED 54200402N	C 04688849	54200418, 54200419, 54200417, 54200406	C 04495870, 04661922, C 04707209, T.B.D.
E	LT GREY	SEALED 54200450N	N/A	DIRECT CONNECT APPLICATION	
		SEALED 54200450	C 04707510	DIRECT CONNECT APPLICATION	
D	BLACK	SEALED 54200447N	C 04801217AA	54200417	C 04707209
		SEALED 54200422N	N/A	N/A	N/A
B	BLACK	SEALED 54200422	C 04759394AA	N/A	LH FUEL PUMP
		SEALED 54200410N	N/A	54200414, 54200418, 54200419, 54200417	N/A
D	BLACK	SEALED 54200410	F 4L3I-1A464-AA	DIRECT CONNECT APPLICATION	
		SEALED 54200495	N/A	54200414, 54200418, 54200419, 54200417	C 04707267, 04495870, C 04661922, 04707209
C	BLACK	SEALED 54200495	F A15T-1A464-AA	DIRECT CONNECT APPLICATION	
		SEALED 54200480	C 04759900AA	54200420/F 598500	LOW PERM HDR
A	BLACK	SEALED F715600	N/A	F025600	N/A
		UNSEALED 54200400N	N/A	54200405	N/A
C	BLACK	UNSEALED 54200400	C 56038052	54200405	C 56038054
		UNSEALED INDEX-A	INDEX-A	54200423	C 56042178
B	BLACK	SEALED F333900	GM 13580766	DIRECT CONNECT INDEX-A	
		SEALED 54200467N	N/A	F860600/DIR CONNECT	N/A
A	BLACK	SEALED 54200467	C 04868299AA	F860600/DIR CONNECT	SOLID STATE RELAY
		SEALED 54200409N	N/A	54200413, 54200426	N/A
B	BLACK	SEALED 54200409	C 04707262	54200413, 54200426	C 04707266, 04759236
		SEALED 54200421N	N/A	54200425	N/A
B	BLACK	SEALED 54200421	C 04759251	54200425	C 04759253
		SEALED F398500	N/A	F498500	N/A
A	BLACK	SEALED INDEX-A	INDEX-A	54200426, 54200427	C 04759236, 56042441, C 04759236AB
		SEALED 55200445	N/A	54200446	N/A

ASSEMBLY PART NUMBER CHART

FCI P/N	SEAL P/N	CUSTOMER P/N	UNSEALED		SEALED	
			W/O CPA	W/CPA	W/CPA	W/O CPA
54200400N			X			
54200403N				X		
54200402N					X	
54200403						X
54200450						X
54200409						X
54200410						X
54200412						X
54200428						X
54200467						X
54200495						X
54200480						X
54200447N						X
54200400N						X
54200410N						X
54200411N						X
54200412N						X
54200421N						X
54200422N						X
54200461N						X
54200460N						X

ITEM	FCI NO.	CHRYSLER NO.	COLOR	PART NAME (MAT'L)	INDEX	CLASS 3		CLASS 4	
						REQUIRED	INDEX	REQUIRED	INDEX
1	54200431	04707186	BLK	INSULATOR-FEMALE (NYLON)	A	55200442	BLACK	I	
1	54200435	04688853	LT GR	INSULATOR-FEMALE (NYLON)	B	F325600	BLACK	I	
1	54200433	04707188	DK GR	INSULATOR-FEMALE (NYLON)	C	F425600	BLACK	I	
1	54200434	04707189	NATURAL	INSULATOR-FEMALE (NYLON)	D	F525600	BLACK	I	
2	54200442	04707540	AQUA	WEDGE-FEMALE (NYLON)		55200443	NATURAL	I	I
3A	54200459	04707191	RED	RING SEAL; (SILICONE)		*55200444	DR BLU	I	I
3B	54200449	N/A	GRN	RING SEAL; (FLUOROSILICONE)					
4A	54200428	N/A	LT BLU	END SEAL; (SILICONE)		*55200439	DR BLU	I	I
4A	54200429	N/A	BURNT ORG	END SEAL; (SILICONE)					
4A	54200461	N/A	BRT RED	END SEAL; (SILICONE) HYBRID					
4A	54200469	N/A	LT GR	END SEAL; (SILICONE) HYBRID					
4B	54200458	N/A	BRT YEL	END SEAL; (SILICONE) W/O HOLES					
5	54200440	N/A	BLK	RETAINER; (NYLON)		55200438	NATURAL	I	I
6	54200003	04687739	RED	CPA LATCH; (NYLON)		54200008	NATURAL	I	I

CUSTOMER: CHRYSLER - C
FORD - F
GENERAL MOTORS - GM

FCI 52772 OR 52772 H SEE CHART
VENDOR VENDOR CODE P/N

- SEALS BAKED AT 450°F FOR 5 HOURS DURING CONTINUOUSLY INTRODUCED FRESH AIR TO DRIVE OFF VOLATILES
- FORD PART NUMBERS ARE LISTED FOR REFERENCE ARE PPAP'D TO FORD 4L3I-1A464-AA DRAWING
- MUST USE WIRE SIZES AS SPECIFIED FOR CIRCUIT LOCATION SHOWN: FOR EXAMPLE 12 OR 10 AWG, 20 TO 14 OR 18 TO 14 AWG

REV	DATE	BY	REVISION	DESCRIPTION	CHKD BY	APP'D BY
1	9-30-10	X	E16	P/N F333900 AND GM 13580766 ADDED. LETTERS C, F, G AND INDEX TO INDICATE CUSTOMER NAMES. THIS DRAWING IS THE PROPERTY OF FCI. IT IS TO BE USED FOR THE DESIGN AND MANUFACTURE OF THE PART. IT IS TO BE KEPT IN THE ORIGINAL FILE AND NOT REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF FCI.	ASHOK	SSS
2	10-27-10	M	A23	TEMP. CLASS 4 INSULATOR COLOR CHANGED TO BLACK FOR ALL POLARIZATION OPTIONS	ASHOK	SSS
3	11-20-09	V	E12	PARTIAL SECTION "H" ADDED WITH END SEAL P/N 54200461 & TABLE UPDATED	ASHOK	SSS
4	11-20-09	V	E14	WIRE SIZES, FORD P/N, CLASS 3 AND CORRESPONDING FORD P/N'S ADDED. TEMP. CLASS 4 ADDED. BOTH CHARTS UPDATED	ASHOK	SSS
5	10-08-09	W	E16	THE P/N 54200461 LOCATION CORRECTED. BGA CHANGED TO CHRYSLER. 54200008 ADDED. TABLE UPDATED	ASHOK	SSS
6	03-03-08	U2	E15	USE WITH 2.8MM APEX FEMALE TERMINAL NOTE ADDED FOR USE ORIENTATION CHART DELETED	ASHOK	SSS
7	3-12-08	U1	F08	USE WITH 2.8MM APEX FEMALE TERMINAL NOTE ADDED FOR USE ORIENTATION CHART DELETED	ASHOK	SSS