



- 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 APPLICATIONS WITH 54201450 INSULATION 22 GAGE THROUGH 10 GAGE & ISO THIN WALL EQUIVALENTS MUST BE USED WITH CHRYSLER WIRE SPEC. MS-8288 OR MS-9502 THIN WALL X-LINK 20, 18, 16, 14 & 12 GAGE WIRES ONLY UNLESS OTHERWISE SPECIFIED (INSULATIONS Ø1.70 MIN TO Ø3.35 MAX.) ISO THIN WALL EQUIVALENTS ALLOWED
 - P/N'S WITH C855900 END SEAL MUST BE USED WITH WIRE INSULATION RANGE FROM Ø1.90MIN TO 3.70MAX (18AWG TO 12AWG OR 1mm² TO 4mm² ISO THIN WALL)
 - ALL NON-SEALED APPLICATIONS MAY BE USED WITH ANY WIRE INSULATION 22 GAGE THROUGH 10 GAGE & ISO THIN WALL EQUIVALENTS 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 P/N 54200005 (C) 56038308 ON SKIRTED PARTS ONLY WHEN REQUIRED
USE WITH DOUBLE X-MAS TREE CLIP P/N (C) 04707091 WHEN REQUIRED
USE WITH DOUBLE X-MAS TREE CLIP P/N (C) 04625797 WHEN REQUIRED
USE WITH 2.8MM APEX FEMALE TERMINAL PER C15004-CUST SYMMETRICAL ABOUT CENTERLINE FOR 180° ORIENTATION
 - DIRECT CONNECT DRAWING NO. H36014 (CHRYSLER 04707029)
 - TEST METHOD PER CHRYSLER PERFORMANCE SPEC# SAE/USCAR-2 REV 5. CONNECTOR ENGAGE & DISENGAGE WITH LATCH DEPRESSED FORCE NOT TO EXCEED 142N FOR THIS SYSTEM.
PRESSURE 3 PSI (22 KPA) PER PF-752(1)
CPA SEATING FORCES - 40N MAX
WEDGE SEATING FORCES - 142N MAX
X-MAS TREE CLIP INSERTION FORCES - 75N MAX
 - SUPPLIER, MOLD & CAVITY I.D. SINGIFIES TOOL OWNERSHIP. FOR REFERENCE
 - ANNUAL QUALITY REQUIREMENTS:
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION #AQA-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL P/V REQUIREMENTS OF OS-9000 SECTION 2 & SAE/USCAR-2 REV 5
- 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

MATING PART NUMBER CHART							
INDEX TYPE	COLOR	SEALED / UNSEALED	FEMALE ASSEMBLY PART NUMBERS				
			FCI	CUSTOMER	OTHER CUSTOMERS	FCI CHRYSLER OTHER CUSTOMERS	
D	LT GREEN	UNSEALED	54201452N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX D	
		UNSEALED	54201452	(C) 04868345AA	N/A	DIRECT CONNECT APPLICATION INDEX D	
		UNSEALED	54201403N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX D	
		UNSEALED	54201403	(C) 04687932	YNA 7283-4649	DIRECT CONNECT APPLICATION INDEX D	
	NATURAL	SEALED	54201414N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX D	
		SEALED	54201414	(C) 04687928	YNA 7283-4749	DIRECT CONNECT APPLICATION INDEX D	
		UNSEALED	54201402N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX C	
		UNSEALED	54201402	(C) 04687931	YNA 7283-4648-10	DIRECT CONNECT APPLICATION INDEX C	
	C	DK GREY	SEALED	54201413N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX C
			SEALED	F371010	N/A	JOHN DEERE LITTLE FUSE LOAD CENTER	
		SEALED	Δ F266900	N/A	N/A	DIRECT CONNECT APPLICATION INDEX C	
		SEALED	54201413	(C) 04687927	YNA 7283-4748-10	DIRECT CONNECT APPLICATION INDEX C	
B	LT GREY	UNSEALED	54201453N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX B	
		UNSEALED	54201453	N/A	YNA 7283-4747-40	DIRECT CONNECT APPLICATION INDEX B	
	UNSEALED	54201401N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX B		
	UNSEALED	54201401	(C) 04687930	YNA 7283-4647-40	DIRECT CONNECT APPLICATION INDEX B		
A	BLACK	SEALED	54201412N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX B	
		SEALED	F271010	N/A	JOHN DEERE LITTLE FUSE LOAD CENTER		
		SEALED	Δ F266900	N/A	N/A	DIRECT CONNECT APPLICATION INDEX B	
		SEALED	54201412	(C) 04687926	YNA 7283-4645-40	DIRECT CONNECT APPLICATION INDEX B	
UNSEALED	54201442N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX A			
UNSEALED	54201442	(C) 04868197AA	N/A	DIRECT CONNECT APPLICATION INDEX A			
UNSEALED	54201400N	N/A	N/A	DIRECT CONNECT APPLICATION INDEX A			
UNSEALED	54201400	(C) 04687929	YNA 7283-4644-30	DIRECT CONNECT APPLICATION INDEX A			
SEALED	54201411	(C) 04687925	YNA 7283-4641-30	DIRECT CONNECT APPLICATION INDEX A			
SEALED	54201419N	(C) *04707442	YNA 7283-4746-30	DIRECT CONNECT APPLICATION INDEX A			
SEALED	54201443	(C) *04759591AA	YNA 7283-4341-30	DIRECT CONNECT APPLICATION INDEX A			
SEALED	54201445N	(C) 04707405	YNA 7283-4341-30	DIRECT CONNECT APPLICATION INDEX A			
SEALED	Δ F166900	N/A	N/A	DIRECT CONNECT APPLICATION INDEX A			
SEALED	54201456N	N/A	(GM) 15125222	N/A	DIRECT CONNECT APPLICATION INDEX A		
SEALED	FCI	CUSTOMER	OTHER CUSTOMERS	FCI	CHRYSLER	OTHER CUSTOMERS	
		SEALED / UNSEALED	FCI	CUSTOMER	OTHER CUSTOMERS	FCI CHRYSLER OTHER CUSTOMERS	

ASSEMBLY PART NUMBERS						
FCI P/N'S (CUSTOMER P/N'S) OTHER CUST P/N'S	UNSEALED		SEALED		ITEM	FCI P/N
	W/O CPA	W/CPA	W/CPA	W/O CPA		
N/A	N/A	N/A	N/A	N/A	1	54201432
N/A	N/A	N/A	N/A	N/A	2	54201433
N/A	N/A	N/A	N/A	N/A	3	54201434
N/A	N/A	N/A	N/A	N/A	4	54201435
N/A	N/A	N/A	N/A	N/A	5	54201420
N/A	N/A	N/A	N/A	N/A	6	54201421
N/A	N/A	N/A	N/A	N/A	7	54201422
N/A	N/A	N/A	N/A	N/A	8	54201423
N/A	N/A	N/A	N/A	N/A	9	54201451
N/A	N/A	N/A	N/A	N/A	10	54201466
N/A	N/A	N/A	N/A	N/A	11	54201448
N/A	N/A	N/A	N/A	N/A	12	54201449
N/A	N/A	N/A	N/A	N/A	13	54201450
N/A	N/A	N/A	N/A	N/A	14	54201457
N/A	N/A	N/A	N/A	N/A	15	C855900
N/A	N/A	N/A	N/A	N/A	16	54201428
N/A	N/A	N/A	N/A	N/A	17	54200003
N/A	N/A	N/A	N/A	N/A	18	54200003
N/A	N/A	N/A	N/A	N/A	19	54200003
N/A	N/A	N/A	N/A	N/A	20	54200003

FCI - FRAMATOME CONNECTORS INTERLOCK
YNA - YAZAKI NORTH AMERICA
(C) - CHRYSLER (GM) - GENERAL MOTORS
(JD) - JOHN DEERE (LF) - LITTLE FUSE

20 TO 10 AWG (Ø1.50 TO Ø4.09) SEE NOTES
** INTERLOCK P/N
Δ INDICATES P/N AVAILABLE THROUGH TT1

ITEM	FCI P/N	CHRYSLER P/N	PART NAME	MATERIAL
1	54201432	(C) 04687804	SEALED, INDEX A; BLACK	PA66 GF35
2	54201433	(C) 04687954	SEALED, INDEX B; LT GR	PA66 GF35
3	54201434	(C) 04687955	SEALED, INDEX C; DK GR	PA66 GF35
4	54201435	(C) 04687956	SEALED, INDEX D; NATURAL	PA66 GF35
5	54201420	(C) 04707291	UNSEALED, INDEX A; BLK W/FINGER GRIP	PA66 GF35
6	54201421	(C) 04707292	UNSEALED, INDEX B; LT GR W/FINGER GRIP	PA66 GF35
7	54201422	(C) 04707293	UNSEALED, INDEX C; DK GR W/FINGER GRIP	PA66 GF35
8	54201423	(C) 04707294	UNSEALED, INDEX D; NATURAL W/FINGER GRIP	PA66 GF35
9	54201451	N/A	UNSEALED, INDEX D; LT GRN W/O FINGER GRIP	PA66 GF35
10	54201466	N/A	UNSEALED, INDEX D; NATURAL W/O FINGER GRIP	PA66 GF35
11	54201448	(C) 04687973	WEDGE-FEMALE; ROYAL BLUE	PA66 GF36
12	54201449	(C) 04687972	RING SEAL; RED	SILICONE
13	54201450	(C) 04687952	END SEAL; LIGHT BLUE (INSULATION RANGE Ø1.70 - Ø3.35)	SILICONE
14	54201457	(**93008014)	END SEAL; BRT YELLOW (WITHOUT HOLES)	SILICONE
15	C855900	N/A	END SEAL; WHITE (INSULATION RANGE Ø1.90 - Ø3.70)	SILICONE
16	54201428	(C) 04687948	RETAINER; BLACK	PA66 GF35
17	54200003	(C) 04687739	CPA LATCH; RED	PA66 GF35

CONNECTOR ASSEMBLY TEMPERATURE CLASS PER SAE/USCAR-2 REV 5

PART CHANGE LEVEL (PCL)

INDICATES END SEAL 54201450 OR C855900 & RETAINER 54201428 OR HINGE TYPE PROVIDED LOOSE PIECE AND INSTALLED AT WIRE HARNESS ASSEMBLY. SEE HARNESS ASSEMBLY FOR HINGE RETAINER P/N

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

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