Design FMEA

Revision 6.0 2/11/98

☐ System ☐ Subsystem ☑ Component	**Customer** Chrysler Motors Corporation		**Customer Part No.** DC-77323-XYZ	**Org. Date** 2/11/98	**Page** 1 of 2
	Supplier Any Company, Inc.	**Code** ACI-001	**Supplier Part No.** A-9514	**Dwg. Rev.** 8 / **Key Date** 2/11/98	**FMEA No.** DFMEA-001
Part Name Filter			**Design Responsibility** Brad Anderson	**Application/Model Year** Sedan / 1998	
Core Team Brad Anderson,Jerry Benware,Lisa Brown,Ken Caracci,Bill Cox,Fred Jordan,Ken Kratz			**Prepared By** Brad A. Anderson	**Date** 2/11/98	

Item / Function	Potential Failure Mode	Potential Effect(s) of Failure	Sev	Class	Potential Cause(s) / Mechanisms of Failure	Occur	Current Design Controls	Detec	R.P.N.	Recommended Action(s)	Responsibility & Target Completion Date	Action Results: Actions Taken	Sev	Occ	Det	R.P.N.
Filter for assembly with B44 to firewall	Insufficient wax coverage over specified surface	Deteriorated life of door leading to: Unsatisfactory appearance due to rust through paint over time, Impaired function of interior door hardware	4	◇	Insufficient wax thickness specified	4	Supplier certification	1	16	None	N/A 2/11/98					
					Inappropriate wax specified	5	set up set up	4	80							
							Five piece setup, in-process, end of run study	2	40	None	N/A 2/11/98					
	Corroded interior lower door panels	Improper oxide coating	6	⛉	Entrapped air prevents wax from entering corner/edge access	6	Test spray pattern at startup and after idle periods, and ...	5	180	Add team evaluation using production spray equipment and specified wax	Engineering and Assembly Operations 2/18/98	Based on test reults (Test #9989) spray head modified to ...	6	2	5	60
				⛉	Spray heads clogged: Viscosity too high, Temperature too low, Pressure too low	4	Incomming audit per 200-16 certification, SPC Lot/Qtr	2	48							
							Laboratory test using "worst case" wax and application hole size	3	72	Add laboratory accelerated corrosion testing	ABC Labs 2/27/98	Test results show specified ...	6	3	3	54
										Conduct DOE on wax thickness	Engineering Associates 2/18/98	DOE shows 25% variation in specified thickness is acceptable	6	2	2	24
					Feeder not properly or	3										

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		Customer complaint, rework	7	⌂	Inappropriate wax specified	5	aid investigation non-functioning spray	4	140	startup procedure	engineering					
							Laboratory test "worst case" and application size	5								
							Laboratory certification per 200-10		140							
				⌂	Entrapped air prevents wax from entering corner/edge access	4	Five piece setup, in-process, end of run study	4	112							

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