

Smith Manufacturing
 Unit 12
 Tenbury Industrial Estate
 Tenbury Wells
 Worcs
 WR15 6QW

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RISK PRIORITY REPORT Top 7 RPN Values
 Resulting from Building Block F.M.E.A. Number : FN00029

FMEA Number :FN00029
 Component :BRACKET
 Model Year(s)/Vehicle(s) :

Issue Number : 1
 Design Responsibility :Bill White
 Key Date :
 Core Team :

Latest Issue Date :15/12/2004
 Prepared By :C J Humphreys
 First Issue Date: 15/12/2004 Latest Issue Date: 15/12/2004

Failure Mode	Effect Of Failure	S e v	y	Cause Of Failure	O c c	Design Controls Prevention	Design Controls Detection	D e t	R P N	Proposed/ Corrective Action/Status	Result				Action Date + Responsibility
											S	O	D	RPN	

Function Number : 1

Function Name : Design FMEA for Bracket dr77.3511.ad

Function Description : Engine support bracket

Outside Supplier Not Affected

Fractures	Damage to surrounding components	9	ù	Excessive engine vibration causing fatigue fractures	4	Simulate working conditions	Check manufacturer's polymer strength specifications	2	72	Evaluate yield point for prototype castings of different materials					Quality Control to perform Cpk.Studies 30-11-2007 CA 00010
Fractures	Damage to surrounding components	9	ù	Stress load higher than assumed	5	Computer stress analysis to determine weak points and max working stress	None	3	135						
Fractures	Excessive Engine vibration	9	ù	Excessive engine vibration causing fatigue fractures	6	Test material suitability for exposure to continual vibration	None	5	270						

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