

 POWER SHIFT		FMEA Processo			Number: 1.1.4 Page: 1/97					
Type/Model/Fabrication/Load: 250 RENAULT Housings		Item Code: 2500331511 / 2500331521 Revision State: 3	Responsible: B/GPS1 Company: GETRAG	Created: 10/06/09						
FMEA/System Element: Summary (GG)		Item Code: Revision State: Index	Responsible: D.Pietanza (WLP) / F.Stizzi (GPS1) / G.Cicirelli (GPS2) / T.Lucchese (EEQ2) / S.Picerno (EEQ2) / N.Loschiavo (EEL) / N.Achille (ELE) / P.Lucchese (WLQ) Company: GETRAG S.p.A.	Created: 10/06/09 Modified: 06/11/12						
Effects	S	C	Failure Mode	Causes	Preventive Action	O	Detection Action	D	RPN	R/D
System Element: <input checked="" type="checkbox"/> Automatic load / unload (KG/GG)										
Function: <input checked="" type="checkbox"/> Felsomat loading operation (GG/KG)										
<input checked="" type="checkbox"/> Assembly area nicks			<input checked="" type="checkbox"/> Housing damaged	<input checked="" type="checkbox"/> The piece fall down in manual loading phase	<input checked="" type="checkbox"/> Initial state: 10/09/11					
> <input checked="" type="checkbox"/> Scrap to assembly leak test					<input checked="" type="checkbox"/> Specific work instructions	3	<input checked="" type="checkbox"/> Control frequency in according to plan and/or SPC	5	120	
> <input checked="" type="checkbox"/> Intermittent assembling process							<input checked="" type="checkbox"/> Internal 100% leak test			
>> <input checked="" type="checkbox"/> customer satisfaction	6									
> <input checked="" type="checkbox"/> Assembly scrap										
> <input checked="" type="checkbox"/> Intermittent assembling process										
>> <input checked="" type="checkbox"/> customer satisfaction	6									
<input checked="" type="checkbox"/> Structural area nicks										
> <input checked="" type="checkbox"/> break housing	8									
>> <input checked="" type="checkbox"/> (1F) (R15) No Rolling Launch possible (Start Up)	7									
>> <input checked="" type="checkbox"/> (7.1 F) (R18) No creep, loss of transmission of engine torque	7									
>> <input checked="" type="checkbox"/> (4F) (R21) No Change of Drive Direction possible/ Vehicle inability	8									
>> <input checked="" type="checkbox"/> (73F) coefficient of Friction (Clutch) reduction/ Shift Quality impact/ Loss of Torque in worst case	8									
>> <input checked="" type="checkbox"/> (10F) (R26) Unexpected Deceleration	8									
>> <input checked="" type="checkbox"/> (75F) (R2) loss of Lubrication Function/Transmission damage	8									
>> <input checked="" type="checkbox"/> (74.1F) (R26) Damage of bearings and shafts/ Transmission damage										
>> <input checked="" type="checkbox"/> (75.1F) (R2) Oil leak itself with no transmission damage	6									
> <input checked="" type="checkbox"/> (28.6F) (R37) Boom Noise	5									
>> <input checked="" type="checkbox"/> (54F) (R37) High Level of unpleasant Noise/ Vehicle Vibration felt through the drivers seat	8									

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