

670 FUEL INJECTOR FLOW BENCH PERFORMANCE TEST RESULTS

DATE: 6-25-10

Name Greg Gambler

Year Make Import Model Protekt

Injector # 16611AA521

% INCREASE PER INJECTOR					
Inj #	Test A Flow Rate ml	Test B Flow Rate ml	Flow rate increase %	Flow Rate Pass/Fail	Performance Gains
1	51 ML	53 ML	4 %	P F	4% at WOT
2	1 ML	1 ML	1 %	P F	
3	1 ML	1 ML	1 %	P F	
4	51 ML	53 ML	4 %	P F	3 to 13% at 3ms
5	ML	ML	%	P F	
6	ML	ML	%	P F	Polze
7	ML	ML	%	P F	
8	ML	ML	%	P F	

TEST A INJECTOR TEST BEFORE CLEANING

Pressure Setting 40PSI FLX

Inj #	OHMS	Voltage Drop	Leak Test	Spray Pattern	M/S-RPM	Flow Rate	Start Flow / ms	Comments
1	12-6	6.46	N Y	G F B	P F	51 ML	102 / 34	
2	12-7	6.48	N Y	G F B	P F	51 ML	101 / 35	
3	12-7	6.44	N Y	G F B	P F	51 ML	101 / 35	
4	12-7	6.47	N Y	G F B	P F	51 ML	101 / 35	
5			N Y	G F B	P F	ML		
6			N Y	G F B	P F	ML		
7			N Y	G F B	P F	ML		
8			N Y	G F B	P F	ML		

TEST B INJECTOR TEST AFTER CLEANING

Pressure Setting 40PSI FLX

Inj #	Leak Test	Spray Pattern	M/S-RPM	Flow Rate	Seating / Flow / ms	Comments/Recommendations
1	N Y	G F B	P F	53 ML	104 / 39	Cleaned and balanced injectors
2	N Y	G F B	P F	ML	1 / 38	
3	N Y	G F B	P F	ML	1 / 38	
4	N Y	G F B	P F	53 ML	104 / 38	
5	N Y	G F B	P F	ML		
6	N Y	G F B	P F	ML		
7	N Y	G F B	P F	ML		
8	N Y	G F B	P F	ML		

Parts Replaced	
Description	Qty
Pintle caps	
Filter Baskets	4
O-Ring Seal Top	4
O-Ring Seal Bottom	4
Spacer	
Rubber head Seal	
Clamp Ring Seal	
Injector Hose	

N=No Y=Yes G=Good F=Fair B=Bad P=Pass F=Fail

