PROCESS					DATE Click here for the					EXPERI		
								tutorial video		SFM PROBLEM SOLVING 09		
EXPER												
 What do you want to find out/what are you doing an experiment on? Which influences are relevant for your experiment? What are the output parameters of the influences? 						nd on which	parameter	o you change? ? sult from this?	6) What do you notice d 7) What is the actual res		xperiment?	
No	Expected result 3				Influences	s 🧕			Γ	My comment 6 Real		Real result 7
		1:	2:	3:		4:	5:	6:				

No	Expected result <mark>3</mark>			Infl	My comment 6	Real result 7				
		1:	2:	3:	4:	5:	6:			
1				3	+4					
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PROCESS							Ec	Click here for the			EXPERIMENT SERIES SFM PROBLEM SOLVING 09-1		
Insert driver into the fire truck							.17						
Experiment 1) If I set the driver in the best possible direction before inserting it into the car, then there is no rework (repressing the driver).													
2) Which influences are relevant for your experiment? an							Vhich ONE influence do you change? nd on which parameter? Vhat is the expected result from this?				6) What do you notice during the experiment?7) What is the actual result?		
No	Expected result <mark>3</mark>	Influences 2									My comment 6	Real result	
		1:	2: 3: 4		4:	4: 5:		:				7	
		1: Angle arms	2: Angle legs	3: Angle steering wheel	4: Positi the han		5:		6:				
1	32 sec	135°	9 <i>5</i> °	Outward (O°)	Counter right (-					Initial condition: After insertion, the upper body is set direction backwards. (1 sec.)	33 yec.	
2	32 sec.	135°	80°	Outward (0°)	Counter right (-			3+4		The upper body must still be pressed backwards. (1 sec.)	34 sec.	
3	32 sec.	135°	45°	Outward (O°)	Counter right (Due to the difficult accessibility, the set direction of the hands is time-consuming. (3 sec.) Set direction of arms several times (3 sec.)	38 yec.	
4	35 sec.	135°	4 <i>5</i> °	Outward (0°)	Balance (0°	Ŷ					The position of the arms is changed/adjusted twice. (2 sec.)	28 sec.	
5	26 sec.	90°	4 <i>5</i> °	Outward (O°)	Balance (0°	•					Arms need to be adjusted further down so that the height matches that of the handlebars. (3 sec.)	30 yec.	
6	27 sec.	4 <i>5</i> °	4 <i>5°</i>	Outward (O°)	Balance (0°						Arms must be corrected upwards. (3 sec.)	30 sec.	
7	27 sec.	70°	4 <i>5°</i>	Outward (O°)	Balance (0°						Upper body is pushed back so that the arms "push up" and the handlebars fit. (2 sec.)	29 sec.	

Balance-right

Outward (0°)

45°

8*0*°

27 sec.

8

 (O°)

Handlebar is adjusted twice. (1

sec.)

25 yec.