

TSM/TSSM ECM Password Learn Procedure

Step	Action	Confirmation	Notes
1	Set Run switch to Run		
2	Turn Ignition key On-Off-On-Off-On-Off-On and then toggle the Left Turn Signal switch twice.		
3	Turn Ignition key Off-On	Verify the Check Engine lamp and Security Lamp illuminate briefly and then turn off.	Security lamp will not illuminate on non-security (TSM) Twin Cam models.
4	Attempt normal start one time.	Engine starts and stalls immediately. check engine lamp stays on.	Password has not been learned and sets trouble code P1009, thus stopping fuel flow.
5	Wait 10 seconds	Security Lamp remains lit for V-Rod and TC88 with TSSM. Lamp will not be on for TC88 TSM models.	ECM enters Password Learning mode for 10 minutes. Do Not cycle the ignition or disrupt power.
6	Wait until Security Lamp turns off or a minimum of 10 minutes has passed.		
7	Quickly (within 2 seconds) turn Ignition key OFF-ON	Security Lamp remains lit for V-Rod and TC88 with TSSM. Lamp will not be on for TC88 TSM models.	
8	Wait until Security Lamp turns off or a minimum of 10 minutes has passed.		Password Learning mode for 10 minutes. Do Not cycle the ignition or disrupt power.
9	Quickly (within 2 seconds) turn Ignition key OFF-ON	Security Lamp remains lit for V-Rod and TC88 with TSSM. Lamp will not be on for TC88 TSM models.	
10	Wait until Security Lamp turns off or a minimum of 10 minutes has passed.		Password Learning mode for 10 minutes. Do Not cycle the ignition or disrupt power.
11	Quickly (within 2 seconds) turn Ignition key OFF-ON	Security Lamp light and then turn off. Lamp will not be on for TC88 TSM models.	
12	Turn Ignition switch OFF. Wait 15 seconds. Turn Ignition switch ON and start engine to confirm the Password Learn Procedure is successful.	Engine will start and remain running. If engine immediately stalls and fails to restart the Password Learning mode was not successful. Start over at step 1.	
The above steps must be timed and performed exactly as described. Any deviation will require you to start again from step 1.			