



INSTRUCTION TO SERVICE

ITS: 5185	
SECTION:	219 Engine and Transmission
WRITTEN BY:	Shaun Cardinal
SUBJECT:	Siemens Inverter Reprogramming

ITS5185

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PROCEDURE:

1. Inverter Reprogramming and Testing

- a. Hook up CRT and Siadis software to the bus
- b. Download all software and parameters currently on bus.
- c. With winflash software reprogram each inverter with the following program revisions:
 - **20120831_Upgrade_to_i42d_on_Ford_2009**
 - Ford 2008 & 2009
 - Generator 1FV5168-8WS24
 - ELFA2 inverter QPSW
 - **20120831_Upgrade_to_i42d_on_Ford_2010:**
 - Ford 2010
 - Generator 1FV5168-8WS24
 - ELFA2 inverter QPSW
- d. To ensure the latest software is installed, cycle the day run switch
- e. Restart the Siemens SIADIS EXPERT software and verify the proper software revision and parameters are loaded into each inverter.
- f. Once proper parameters are verified, go for a quick test drive with the bus to verify all four inverter functions. A DICO trace and a trace of both motor inverters are required. Traces should have an acceleration and braking condition (Accelerate to 30mph and apply brakes) for all traces. When verifying bus functions, ensure the A/C is included.
- g. All downloads prior to software update and after should be saved.
- h. A total of 5 traces should be taken approximately 5 to 10 min trace each.
- i. All data should be sent to RPSM and Frank Perez to evaluate.



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LABOUR ESTIMATE				
	Operation	Men	Hours	Labour Time M X HR
1	Siemens Inverter Reprogramming and Test Drive	1	1.0	1.0