

NATEF TASK SHEET --- SECTION A.6 B.6 (P-1)

SC3B-2011: BATTERY BOOST START, JUMP START USING JUMPER CABLES

Getting Battery Power From Another Vehicle

Student: _____ Date: _____ Period: _____
 Year: _____ Make: _____ Model: _____

OBJECTIVE: Student will safely jump / boost start a vehicle.

- MATERIALS:**
1. **EYE PROTECTION!**
 2. Jumper cables
 3. Vehicles (see instructor)

CAUTION: **EXPLOSION HAZARD!** **CAREFULLY READ AND FOLLOW DIRECTIONS BELOW!**

PROCEDURE: **WEAR EYE PROTECTION!** **Watch power point SC3.** Use fender cover, seat covers, and floor mats. Position running vehicle close to “dead” vehicle until jumper cables will reach both batteries. **DO NOT** let loose ends of cables touch!

1. Connect positive jumper cable to positive battery post on “dead” battery.
2. Connect negative jumper cable end to negative post on “dead” battery.
3. Connect positive jumper cable to positive battery post on “running” vehicle.
4. Finally connect negative jumper cable end to ***ENGINE BLOCK GROUND*** on “running” vehicle.

DO NOT CONNECT LAST CONNECTION ON NEGATIVE BATTERY POST ON RUNNING VEHICLE. **LAST CONNECTION MAY SPARK, AND SPARKING ON BATTERY, COULD CAUSE AN EXPLOSION!**

5. Start running vehicle with “good” battery and wait five-to-ten minutes with cables connected to allow battery in “dead” vehicle to be partly charged.
6. Start “dead” vehicle.
7. Disconnect “Engine Block Ground” FIRST!
8. Remove other cable clamps in reverse order.

PROBLEMS ENCOUNTERED _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	<i>Initial</i>	OVERALL SKILL EVALUATION	<i>Points</i>
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMED INDEPENDENTLY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE:			

SC3B-2011 /Battery Jump w/Cables / 10-30-2011 / vdb