

INSTRUCTIONS FOR JUMP STARTING AN ENGINE

WARNING: BATTERIES CONTAIN ACID AND PRODUCE EXPLOSIVE GASES.

Noted - Consult automobiles owner's manual and follow all instructions.

These instructions are designed to minimize the explosion hazard. Keep sparks, flames, and cigarettes away from the batteries at all times. Wear safety glasses, and protect the eyes at all times.

1. SHIELD EYES AND FACE FROM BATTERIES AT ALL TIMES. BE SURE VENT CAPS ARE TIGHT AND LEVEL. PLACE A DAMP CLOTH OVER ANY VENT CAPS ON BOTH BATTERIES. HANDLE CLOTH CAREFULLY - DO NOT ALLOW CLOTH TO COME IN CONTACT WITH EYES, SKIN, OR CLOTHING. BE SURE VEHICLES DO NOT TOUCH. BOTH THE BATTERY TO BE JUMPED AND THE BOOSTER SOURCE MUST BE OF THE SAME VOLTAGE (6 OR 12 V, ETC.).
2. Power sources other than batteries should not exceed 16 V DC for use with 12 V systems, and 8 V DC for use with a 6 V DC system. Do not lean over the batteries during this operation. Be careful to avoid moving fan blades.
3. Turn off all electrical loads on all vehicles and set the parking brake. Place the automatic transmissions in "PARK" (manual transmission in "NEUTRAL").
4. Determine whether the discharged battery has the negative (-) or the positive (+) terminal connected to the ground. The ground lead is connected to the engine block, the vehicle frame, or some other good metallic ground. The battery terminal connected to the starter is the one that is not grounded. All vehicles manufactured in the U.S.A. after 1955 have the negative battery terminal grounded. All European and Asian passenger vehicles manufactured after 1971 have the negative battery terminal grounded.
5. PROCEDURE FOR CONNECTING A GROUNDED NEGATIVE POST.
On a negative ground system, connect the positive (+) cable to the positive (+) terminal of the discharged battery wired to the starter or solenoid. Do not allow the positive cable clamps to touch any metal other than the battery positive (+) terminals. Be sure that the vent caps are tight and level on both batteries. Place a damp cloth over any vent caps on each battery making certain it is clear of fan blades, belts, and other moving parts.
7. Start vehicle and remove cables in reverse order of connection by disconnecting the engine block connection first.

For positive ground vehicles (predominantly found only in pre-1956 vehicles) ground the negative clamp, and leave the positive clamp connected to the positive terminal on the stalled vehicle battery.

Procedure for connecting a Grounded Negative Post System

