

Jump-Starting Procedure

Service Category Engine/Hybrid System

Section Hybrid/Battery Control System **Market** USA



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023 - 2025	RX350H, RX500H	

Introduction

If a jump start is required on 2023 – 2025 model year RX 350h and RX 500h vehicles, it is important to follow the Owner’s Manual procedure and use the correct connection points to prevent vehicle damage. A summary of the Owner’s Manual procedure is included below as a reference.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Jump-Starting Procedure

Jump-Start Procedure

RX 350h

The procedure for jump-starting a RX 350h vehicle using the engine room relay block is as follows:

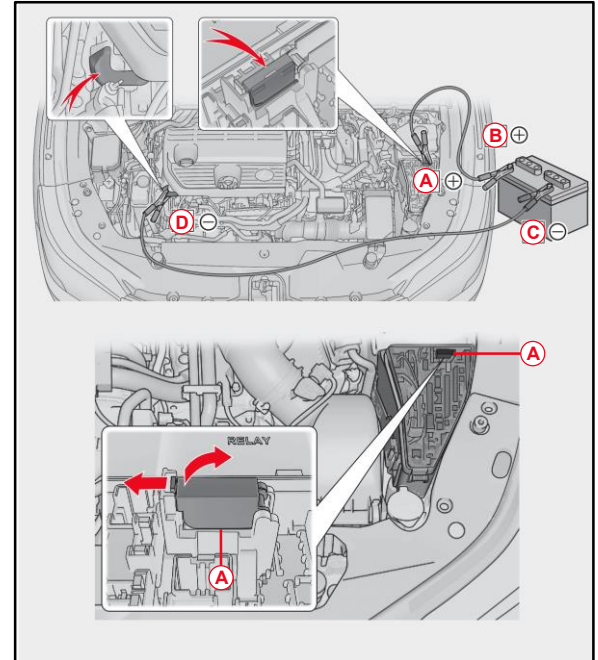
1. Prepare the jump-start cables, ensuring that there is at least 30 inches of separation between the positive (red) and negative (black) cables. This separation is required to reach both points A and D shown in Figure 1.

NOTICE

- Proper placement of BOTH clamps is necessary to avoid blowing a fuse.
- Most commercially sold jump-start cables are often attached together; peel and separate the cables as needed to allow proper placement of both clamps.

2. Connect the cable clamps
 - A. Connect a positive jumper cable clamp to point A on your vehicle, as shown in Figure 1.
 - B. Connect the clamp on the other end of the positive cable to point B on the second vehicle, as shown in Figure 1.
 - C. Connect a negative cable clamp to point C on the second vehicle, as shown in Figure 1.
 - D. Connect the clamp at the other end of the negative cable to point D on your vehicle, as shown in Figure 1.

Figure 1. RX 350h Diagram of Battery Terminals



A	Exclusive Jump-starting Terminal (Your Vehicle)
B	Positive (+) Battery Terminal (Second Vehicle)
C	Negative (-) Battery Terminal (Second Vehicle)
D	Solid, Stationary, Unpainted Metallic Point Away from the Exclusive Jump-starting Terminal and Any Moving Parts

Jump-Starting Procedure

Jump-Start Procedure (continued)

RX 500h

The procedure for jump-starting a RX 500h vehicle using the engine room relay block is as follows:

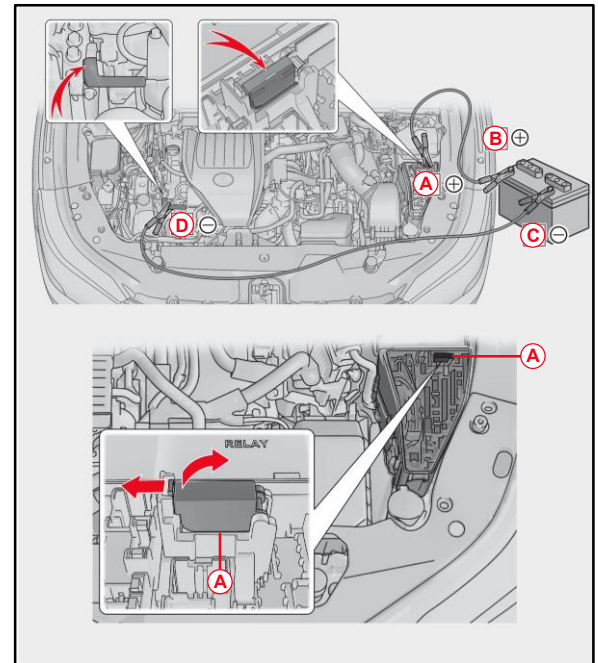
1. Prepare the jump-start cables, ensuring that there is at least 30 inches of separation between the positive (red) and negative (black) cables. This separation is required to reach both points A and D shown in Figure 2.

NOTICE

- Proper placement of BOTH clamps is necessary to avoid blowing a fuse.
- Most commercially sold jump-start cables are often attached together; peel and separate the cables as needed to allow proper placement of both clamps.

2. Connect the cable clamps
 - A. Connect a positive jumper cable clamp to point A on your vehicle, as shown in Figure 2.
 - B. Connect the clamp on the other end of the positive cable to point B on the second vehicle, as shown in Figure 2.
 - C. Connect a negative cable clamp to point C on the second vehicle, as shown in Figure 2.
 - D. Connect the clamp at the other end of the negative cable to point D on your vehicle, as shown in Figure 2.

Figure 2. RX 500h Diagram of Battery Terminals



A	Exclusive Jump-starting Terminal (Your Vehicle)
B	Positive (+) Battery Terminal (Second Vehicle)
C	Negative (-) Battery Terminal (Second Vehicle)
D	Solid, Stationary, Unpainted Metallic Point Away from the Exclusive Jump-starting Terminal and Any Moving Parts

Jump-Starting Procedure

Jump-Start Procedure (continued)

Additional Information

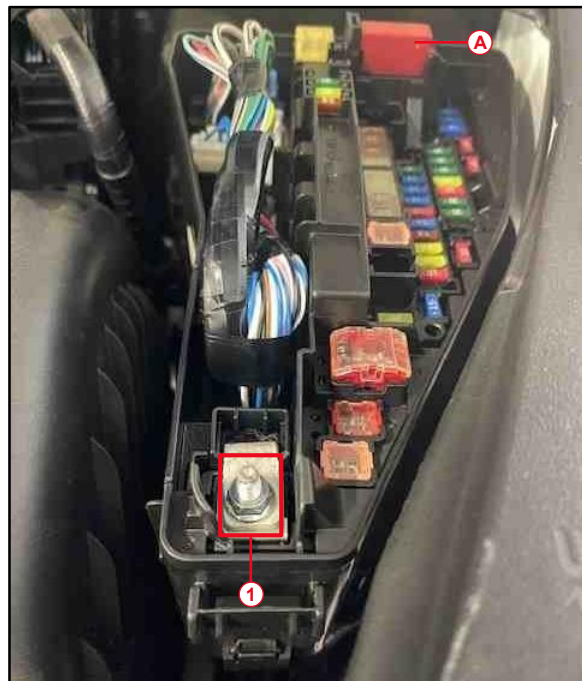
These jump-starting procedures can also be found in the applicable Owner's Manual:

- [2023 \(10/2022 – 11/2022\)](#) / [2023 \(12/2022 – \)](#) / [2024](#) / [2025](#) RX 350h and RX 500h:
Section 7-2. Steps to take in an emergency – If the 12-volt battery is discharged

NOTICE

- Do NOT use the B+ stud for the negative or positive jumping cables, as shown in Figure 3.
- Using the B+ stud as the ground for the jumping cable may result in damage to the vehicle.

Figure 3. Example of Improper Use



A	Exclusive Jump-starting Terminal
1	B+ Stud (DO NOT USE FOR JUMP STARTING)