

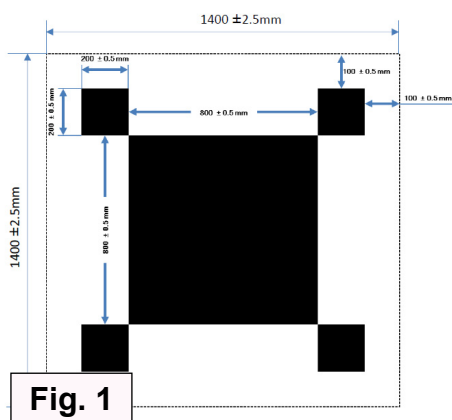
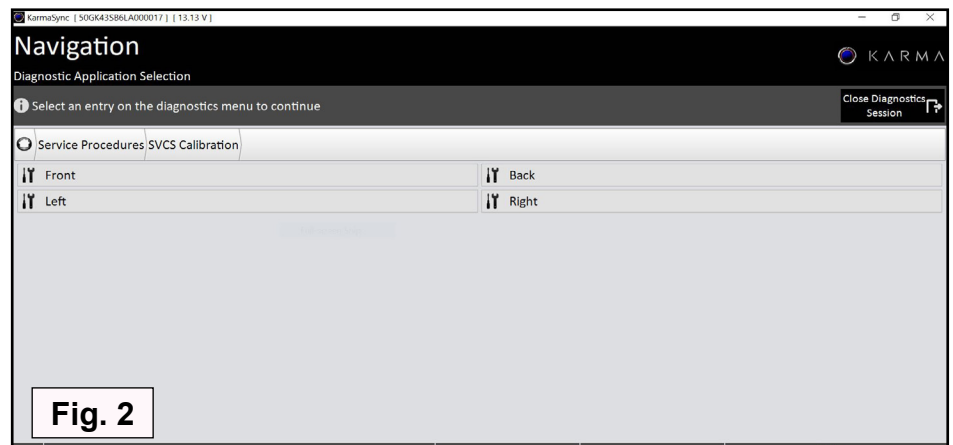
Title: SVCS Calibration (Surround View Camera System)**Applicability:** MY20 Revero GT and GTS**Market Region:** All**PRIORITY:** All**PURPOSE:** Supplement to the Karma Sync Procedure for Surround View Camera Calibration

Using C161197900300 Target (Fig 1) - Calibration SVCS as directed is required while undergoing the special service procedure provided in Karma Sync. This will allow individual camera calibration while in service.

Follow the prompts in karma sync, after setting up the camera target.

Set up the target at position 1 and proceed, move the target to the next when prompted and continue until complete. Verify camera function in the touch panel and test drive.

Camera Alignment Procedure: Park the vehicle in a flat well lit area, with dull non-reflective floors of a single color. Enter SERVICE PROCEDURES, SVCS Calibration (Fig 2), here you can choose the camera to align to the target. All the camera are aligned at initial assembly and calibration, only the cameras requiring calibration (one, two or all) will require new calibration.

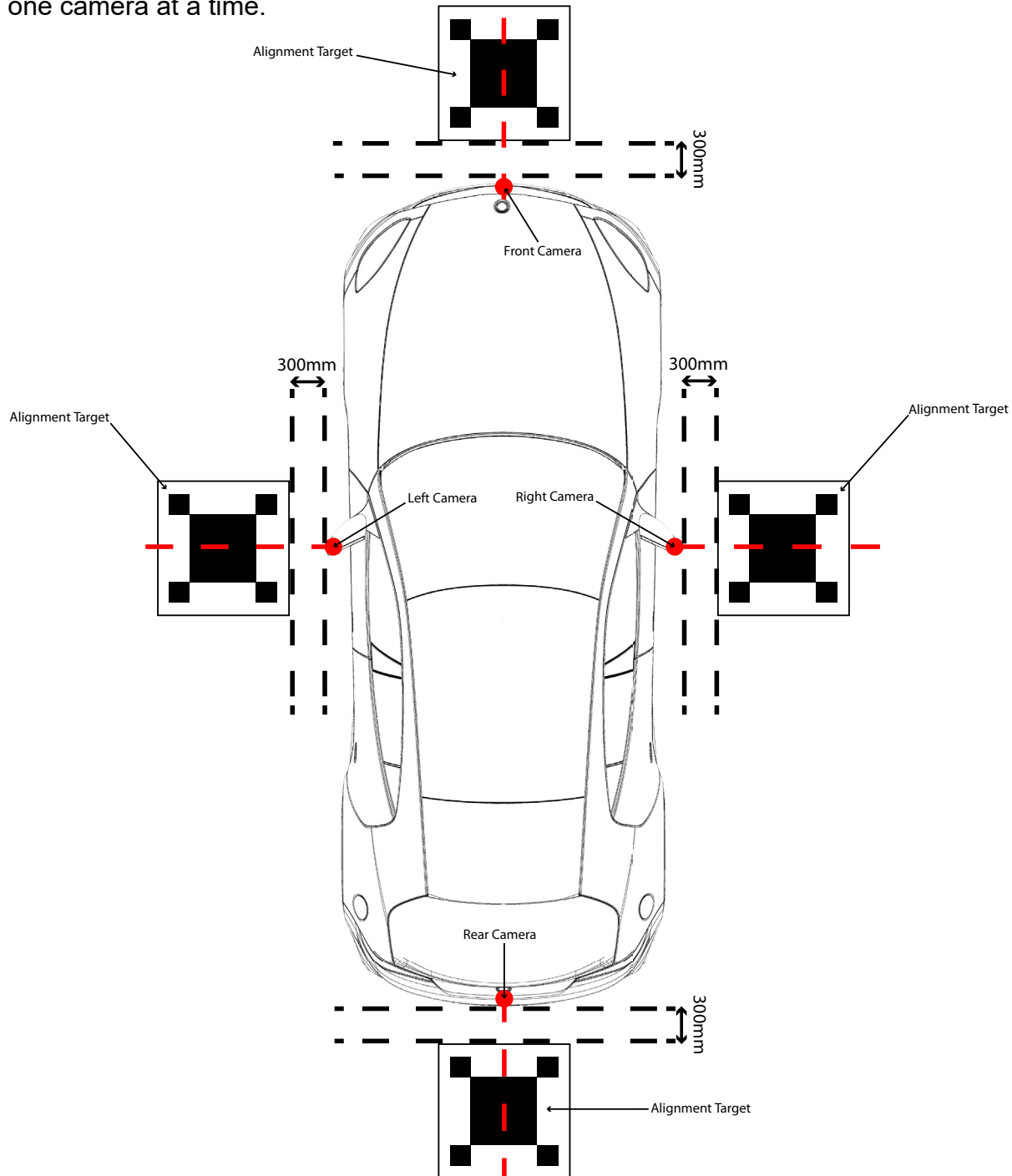
**Fig. 1****Fig. 2**

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Target alignment for any one of the cameras is shown below. If you have four targets calibration will still proceed one camera at a time.



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Title: SVCS Calibration (Surround View Camera System)**Applicability:** MY20 Revero GT and GTS**Market Region:** All**Camera Alignment Procedure:**

All doors shall be closed.

Side mirrors shall be unfolded.

Vehicle shall be stopped.

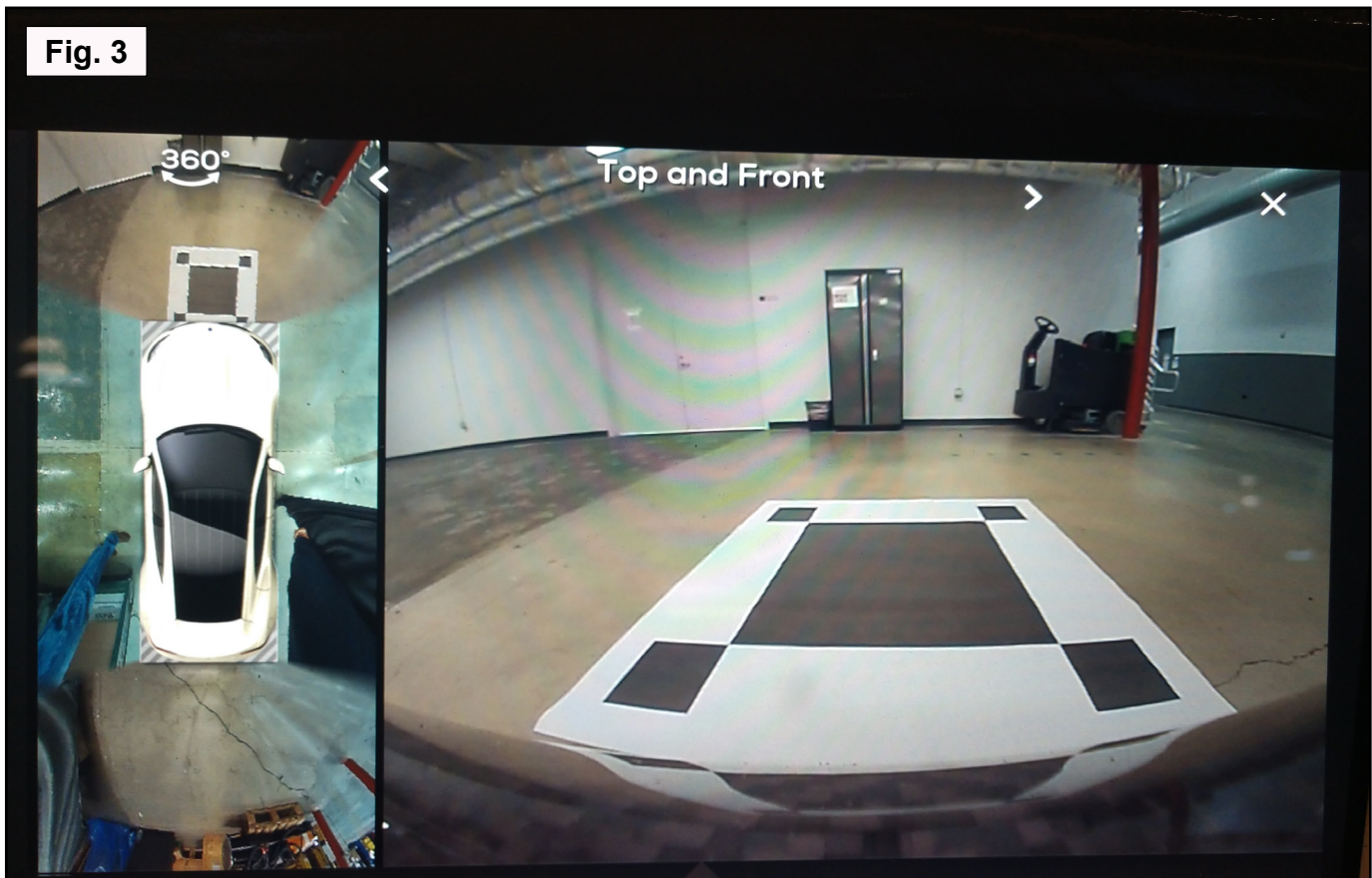
Karma Sync connected and camera calibration (SVCS) routine should be launched

Vehicle Power mode in System Ready, Gear position - Neutral, the vehicle may time out and park it self, stopping the procedure, so be ready to keep the vehicle in neutral.

Make sure no camera faults or DTC's exist, clear and fix the condition prior to calibrating.

Active View in the TPI should be set to "Top and Rear" or "Top and Front" (Fig 3), this will also help view calibration result.

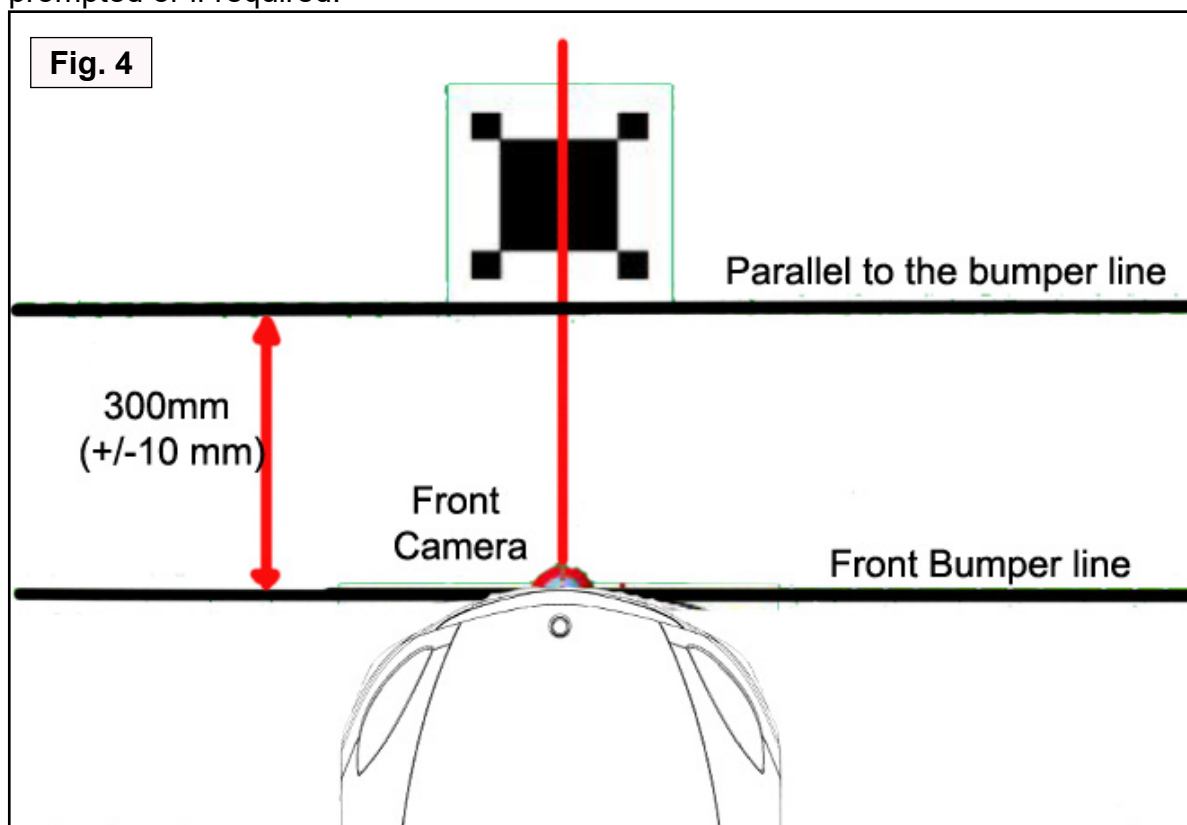
Position Camera targets free of shadows or objects or wrinkles on the target when laid flat.

Fig. 3

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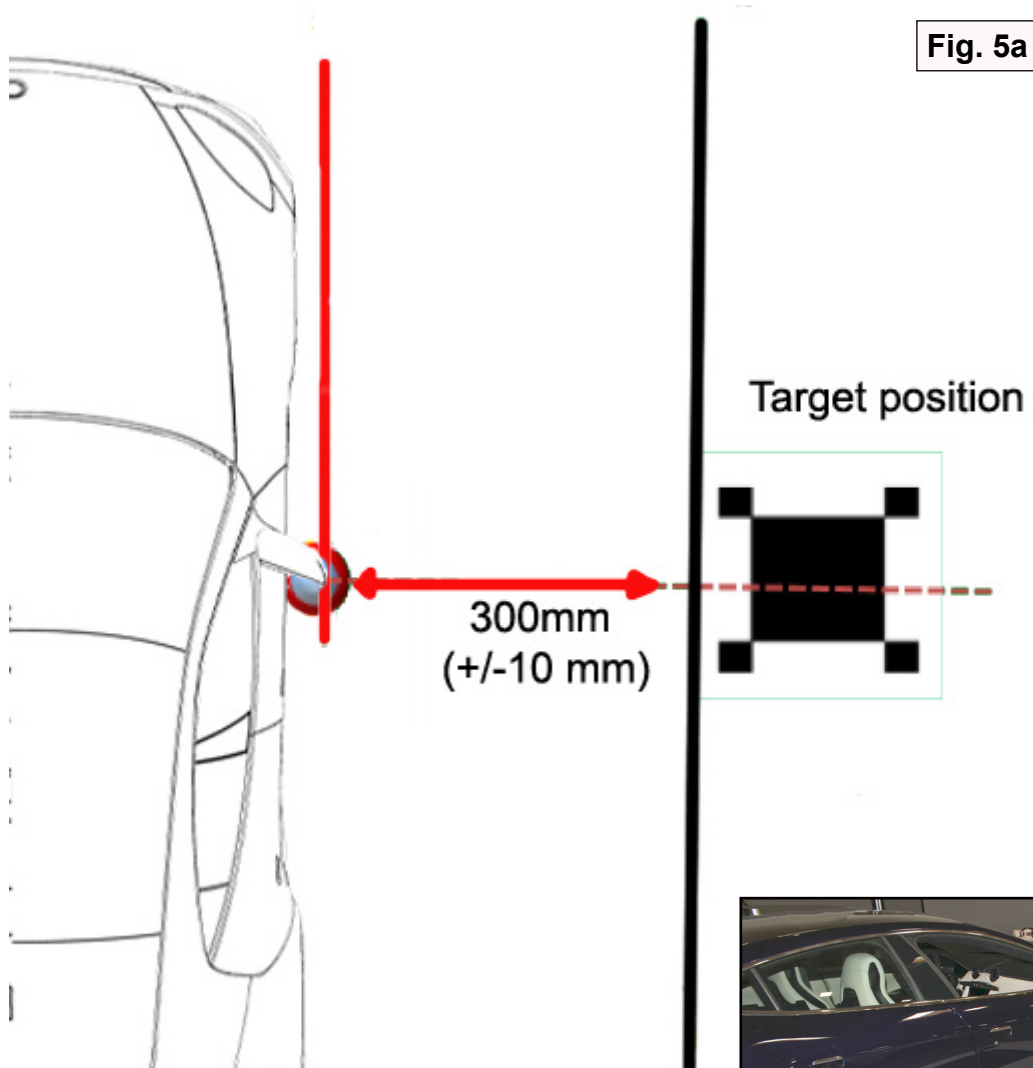
Line up the centerline of the target to camera center line (Figure 4) and place it at 30 cm from the leading edge of the camera (see Fig 4a). Follow the prompt on Karma Sync and complete, move to the next camera if prompted or if required.



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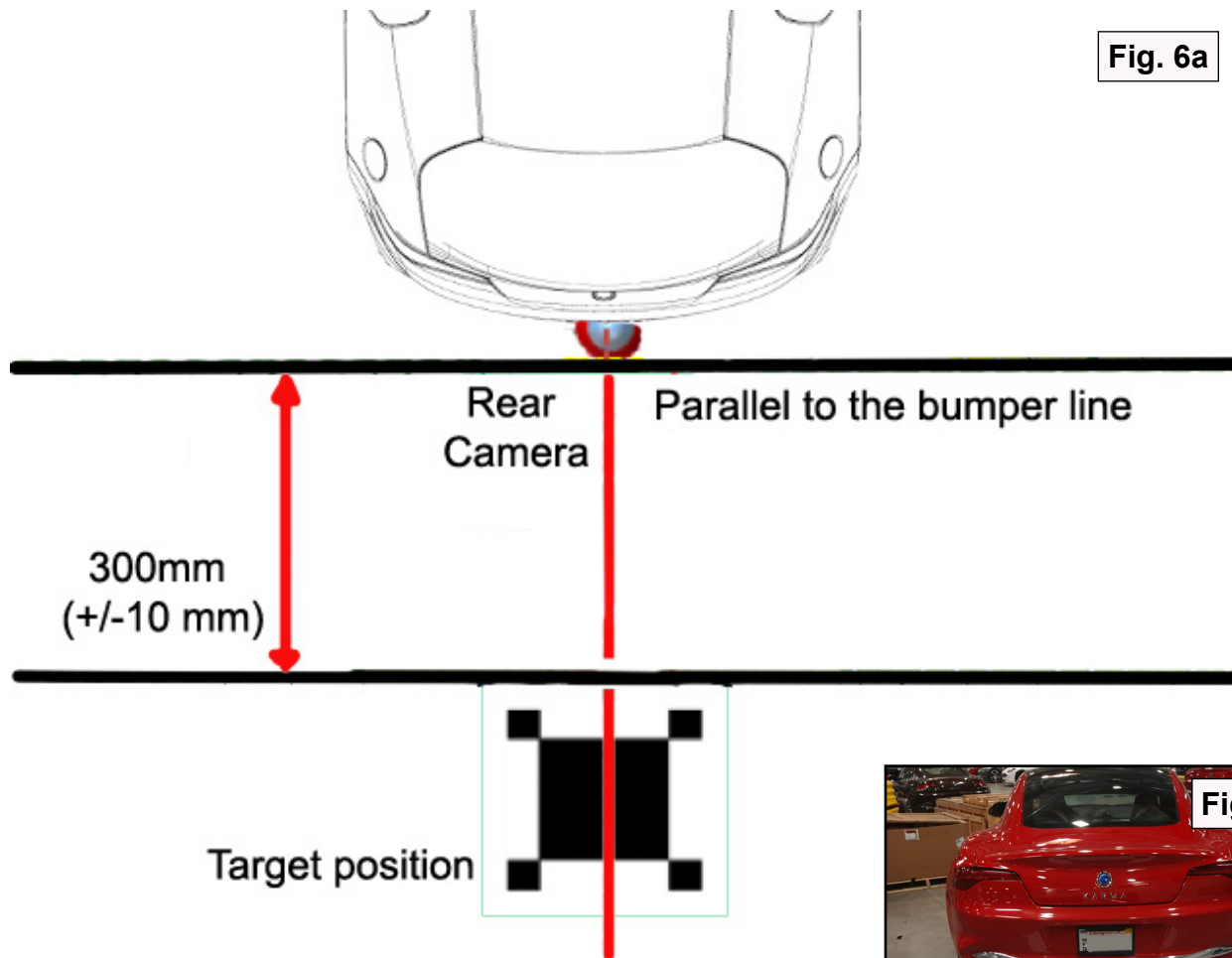
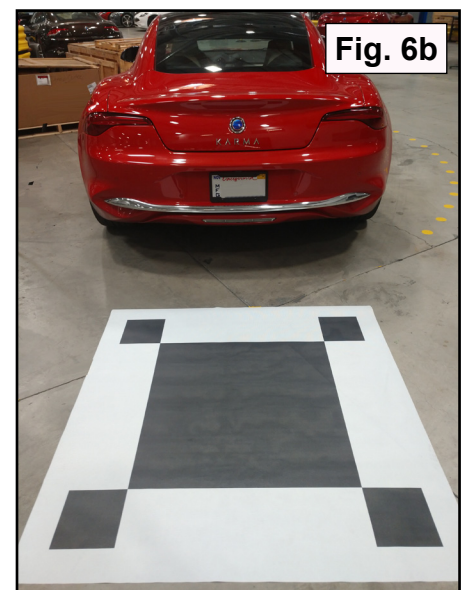
To address the next locations, line up the centerline of the target to passenger side rear view mounted mirror camera center line and place it at 30 cm from the leading edge of the camera. The right side target is positioned as shown (Fig 5a and Fig 5b)



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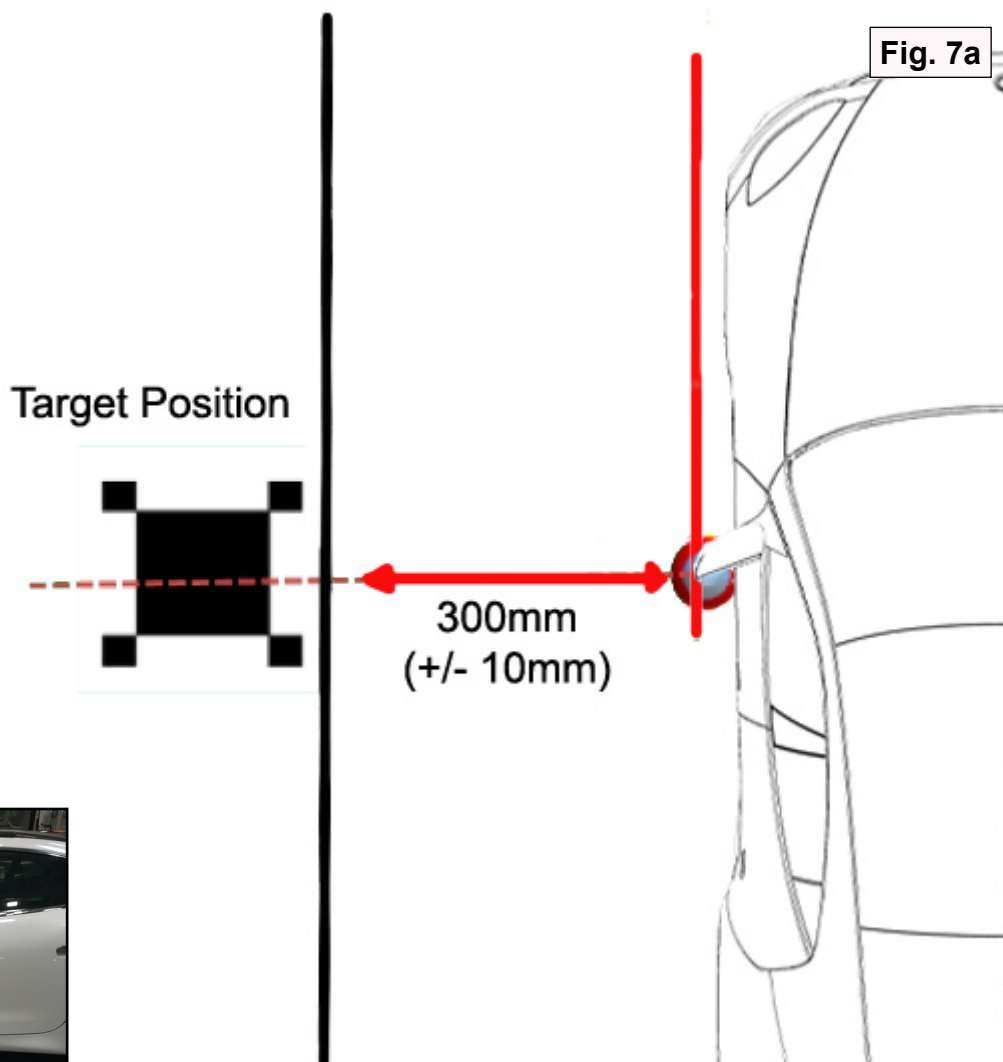
Align the centerline of the target to rear camera center line as shown (Fig 6a and 6b) and proceed with the calibration routine as directed in Karma Sync.

**Fig. 6a**

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To address the next locations, line up the centerline of the target to driver side rear view mounted mirror camera center line and place it at 30 cm from the leading edge of the camera. The right side target is positioned as shown (Fig 7a and Fig 7b)



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**SC-20-90-01****Type: Service Communication****Year: 2020****System: Electrical****Sequence: 01****First Release Rev: 0.1****Title: SVCS Calibration (Surround View Camera System)****Applicability:** MY20 Revero GT and GTS**Market Region:** All**PARTS REQUIRED:**

PART NUMBER	DESCRIPTION	QTY
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SHOP SUPPLIES:

DESCRIPTION
N/A

SPECIAL TOOLS and PARTS:

PART NUMBER	DESCRIPTION	QTY
C161197900300	Surround view camera calibration target	1

LABOR CODES:

CODE	TIME	DEFECT CODE
90-25-16-06	0.5	95-25-01-33

SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131197000900	Camera - Surround View HD K1 2.0

WARRANTY DISPOSITION:

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