

**READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.
CALL CHASSISWORKS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.**

INSTALLATION GUIDE



5903-X10 g-Connector, Weld-In 1962-67 Nova (Chevy II) with OEM or CAC Front Clip



Description: g-Connector weld-in for cars with Chassisworks or OEM front frame clip.

Applications: 1962-67 Nova (Chevy II)

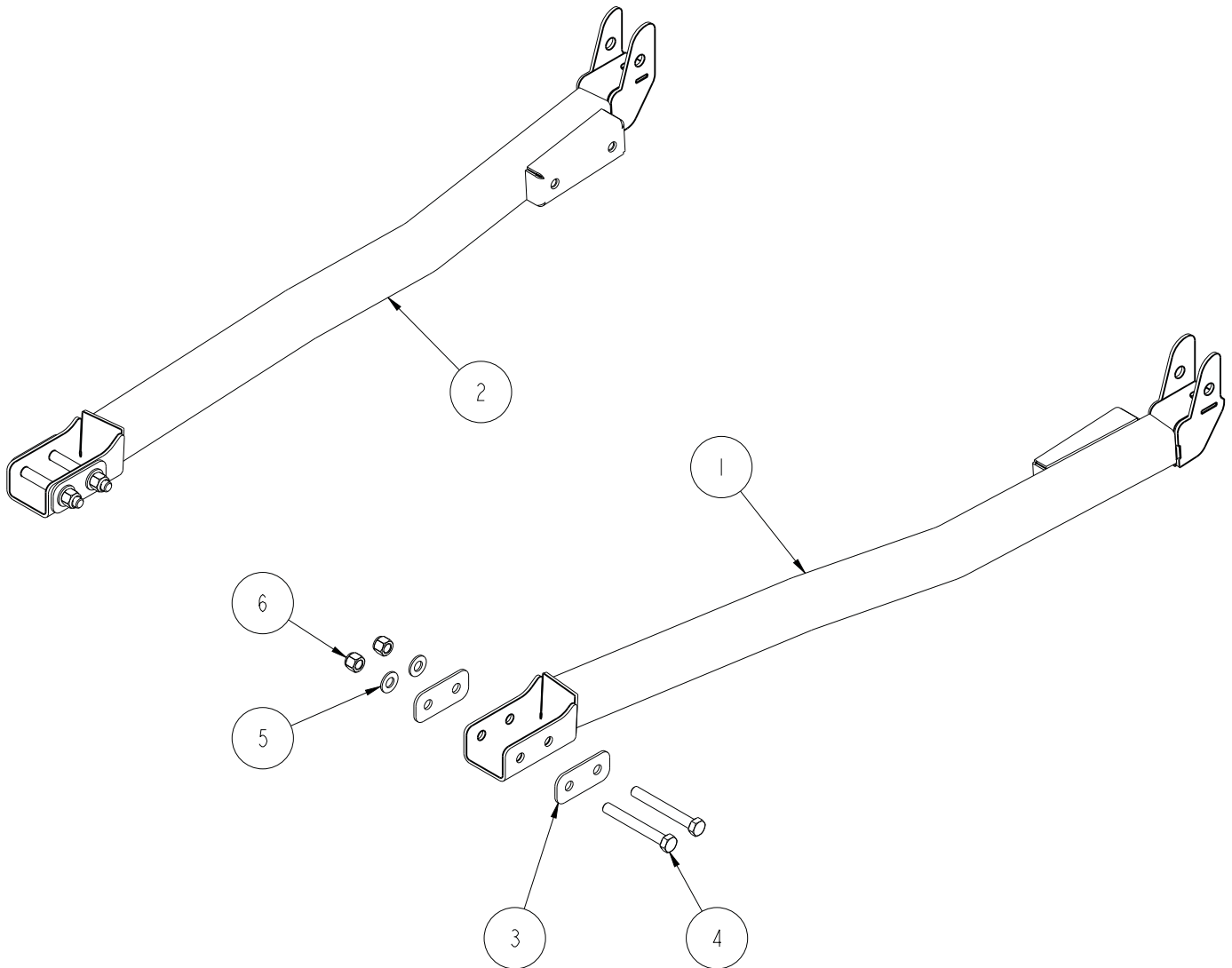
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ITEM	QTY	PART NO.	DESCRIPTION
1	1	7959-0251	SUBFRAME CONNECTOR WELDMENT, DRV, WELD-ON, 62-67 CHEVY II / NOVA
2	1	7959-0257	SUBFRAME CONNECTOR WELDMENT, PSGR, WELD-ON, 62-67 CHEVY II / NOVA
3	4	7962-0097	MOUNTING PLATE, OUTBOARD, CENTER SUPPORT, 67-81 CAMARO/FIREBIRD
4	4	3100-050F4.00Y	HEX BOLT, 1/2-20 x 4, GRADE 8, YELLOW ZINC
5	4	3120-050S-Y	FLAT WASHER, 1/2 SAE, HARDENED, YELLOW ZINC
6	4	3101-050-20C	LOCKNUT, 1/2-20, GRADE 5, NYLON INSERT, CLEAR ZINC



DESCRIPTION		SUBFRAME CONNECTORS, WELD-ON, 62-67 CHEVY II / NOVA	
Chris Aston's CHASSISWORKS INC. 8661 YOUNGER CREEK DRIVE SACRAMENTO, CA 95828 (916) 388-0288 FAX 388-0295		PART NO.	5903-X10
		2/23/15	DWG: 7951-5903X10

PARTS LIST

5903-X10 - Subframe Connectors 62-67 Nova (Chevy II)

Qty	Part Number	Description
1	7959-0251	Connector weldment driver side
1	7959-0257	Connector weldment passenger side

INSTRUCTIONS

NOTE: Some of the following images were shot using a vehicle and product that will differ slightly from the Nova platform. The installation procedure described is identical.

Remove OEM Components

1. Remove carpet, insulation and wiring from areas of floorboard that will be affected by heat from welding. This is done to reduce the risk of damage and potential fire.
2. Temporarily relocate fuel and brake lines that are near the installation area. Some installations may require lines to be rerouted, modified, or the subframe connectors to be notched.
3. Be sure there is adequate clearance between the fuel line and the welding area to prevent potential fire.
4. If there is jack damage to the frame rails, the metal will need to be straightened enough for the subframe connector to seat properly.

5. Vehicle Modifications:

The emergency brake cable bracket may have to be relocated. Grind away the spot welds on the bracket, so that it can be reused.



6. Position the frame connector under the vehicle and support it using a jack.



7. The front cup fits over the end of the front frame rail and the rear plate seats along the inside of the frame rail just forward to the leaf-spring bolt.



8. Using a marker or scribe, trace the outline of the forward and rear attachments areas. This is to mark the areas that must be ground clean in preparation for welding.



9. Use a disc sander or steel brush attachment and drill to remove any coating or grease that may be along the weld areas.



10. The pair of holes in the bracket are NOT for welding. They must remain open for optional installatio of the gConnector center brace. The front frame rail should appear similar to image.



11. Rear area should appear similar to image.



12. Remove the powder coating from the edges of the subframe connector where welds will be made.



13. Bare metal must be exposed approximately 3/8" from all edges that will be welded.



14. Raise the frame connector into position under the car and support it with a jack. The front cup of the subframe connector must be seated tightly against the bottom and back edge of the factory frame rail.



15. Clamp the rear connector bracket tight against the factory frame rail.
16. Tack weld the front and rear brackets of the first connector.

DO NOT fully weld the connector at this time.

17. Raise the second frame connector into position and support with a jackstand.
18. Check the connectors for squareness by measuring diagonally from the front cup of one connector to the rear bracket of the opposite connector. Measure in both directions. The lengths should be within $1/8"$. Adjust the position of the connector, if needed.



19. Once the connectors are square, tack weld the front and rear brackets of the loose connector.
20. Measure the distance between the insides of the front cups. The minimum distance required to mount the bolt-in connector support is $27\text{-}1/2"$. If the measurement is less than $27\text{-}1/2"$, use a mallet and wooden block to increase the distance.



21. Once the connectors are the correct distance apart, weld the connectors to the frame rails.

22. Front Bracket: Weld completely around the cup. DO NOT weld the two holes at each side of the cup. These are used for optional installation of the gConnector center support.

23. Rear Bracket: Weld completely around the rear bracket making an effort to keep the weld tight. If installing the g-Bar rear suspension, the lower arm bracket is placed directly behind the subframe connector. There is an adequate gap left in the design, but placing a clean weld can avoid any future trimming or grinding.



24. After the welds are completely cool, lightly scuff the bare areas with a scotch-brite pad and paint to protect from rust.

25. The subframe connector installation is complete. The gConnector support center section can now be installed.

