

# 12185 INSTALLATION INSTRUCTIONS

Sa Win

Safety glasses should be worn at all times while installing this product.

**STYLE: SEDAN** 

YEARS: 2016-PRESENT

**MAKE: BUICK/CHEVROLET** 

MODEL: REGAL SPORTBACK/MALIBU



WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY For more information log onto www.curtmfg.com & for helpful towing tips log onto www.hitchinfo.com

**WEIGHT CARRYING:** 

TRAILER WEIGHT: 3,500 LBS. TONGUE WEIGHT: 350 LBS.

WARNING:

WE RECOMMEND THE USE OF 18050 STABILIZING STRAPS FOR ALL NON-TRAILER (WHEEL-LESS) LOADS. PLEASE SEE THE CURT CATALOG OR VISIT US ONLINE AT WWW.CURTMFG.COM FOR FURTHER INFORMATION.

PRO INSTALL TIME: 30 MIN.

NOVICE INSTALL TIME: 60 MIN.

IF YOU ARE HESITANT TO UNDERTAKE
THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED
CURT INSTALLER FOR ADDITIONAL ASSISTANCE.

## **INSTALLATION TIPS:**

- 1. BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- 2. TO EASE INSTALLATION, 2 PEOPLE MAY BE REOUIRED.
- 3. USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
- 4. NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 800.798.0813



## LEVEL OF DIFFICULTY: MODERATE

**EASY** 

MODERATE

CHALLENGING



NO DRILLING REQUIRED



TEMPORARILY REMOVE EXHAUST



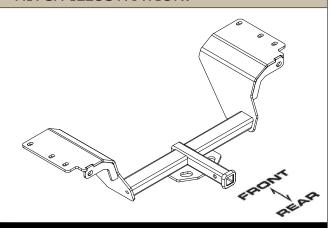
TRIM HEAT SHIELD AND FASCIA

# VEHICLE PHOTO:



#### REPRESENTATIVE PHOTO

# HITCH ILLUSTRATION:



# MAKE SURE YOUR HITCH MATCHES



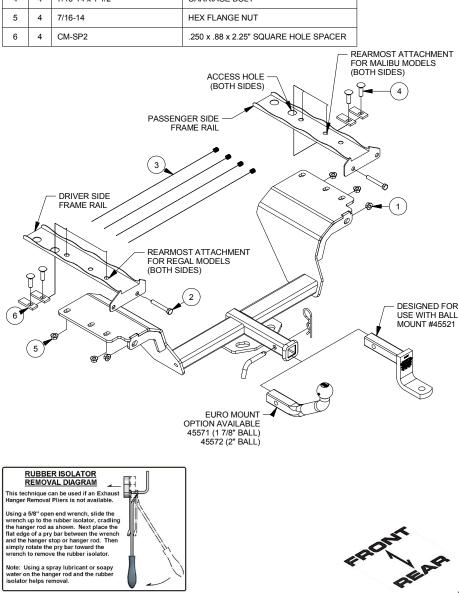
PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND

CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, CURT Manufacturing LLC. may repair or replace the product at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. CURT Manufacturing LLC's liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.

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#### **INSTALLATION WALKTHROUGH:**

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	ANSI B 18.2.4.4 M - M10 x 1.5	Hex Flange Nut
2	2	M10 - 1.5 x 70 HEX	HEX BOLT
3	4	7_16 FISHWIRE	7/16" FISHWIRE
4	4	7/16-14 x 1 1/2	CARRIAGE BOLT
5	4	7/16-14	HEX FLANGE NUT
6	4	CM-SP2	.250 x .88 x 2.25" SQUARE HOLE SPACER



1. On Malibu models only: Locate and remove exhaust hanger. Support the exhaust and remove (4) M8 bolts for the exhaust brace using a 13mm socket. Remove (2) M8 bolts for the exhaust flange using a 13mm socket. Save the exhaust brace and gasket for later reinstallation.





 On Malibu models only: Separate exhaust flange and carefully slide the exhaust forward out of the rear bumper exhaust hangers. Set aside exhaust for later reinstallation. Remove the inside lower bumper bolts on each side of the vehicle using a 15mm socket. Replace with the supplied M10 bolts.



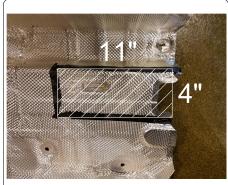


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#### **INSTALLATION WALKTHROUGH:**

3. On Regal models only: Lower exhaust by removing (2) rubber isolators. (See Rubber Removal Isolator Diagram)
On both models: Locate and remove (10) speed clips, (5) from each side to remove the heat shields. Trim heat shield using aviation shears and reinstall on vehicle.

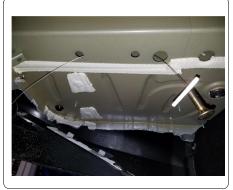




4. Fishwire (2) 7/16" bolts and (2) CM-SP2 spacers from the access hole to the mounting holes on each frame rail. Keep fishwires attached until hitch is raised into position.

NOTE: Clearing away caulk may ease installation.

**NOTE:** On Regal models only trim lower rear fascia, using trim diagram as a reference.





5. Raise the hitch into position, aligning the rear attachment on the M10 bolt. Thread the fishwires into the mounting holes and loosely install (4) 7/16" flange nuts on the frame attachments using a 11/16" socket. Loosely install (2) M10 flange nuts on the inside lower bumper bolts using a 15mm socket.





6. Torque all 7/16" hardware to 60 ft-lbs. Torque all M10 hardware to 45 ft-lbs. Reinstall exhaust and hardware removed in steps (1) and (2) in reverse order.





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#### TOWING SAFETY INFORMATION

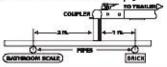
### Gross Trailer Weight / GTW

The Gross Trailer Weight is the weight of the trailer & cargo. Measure this by putting the fully loaded trailer on a vehicle scale.



## Tongue Weight / TW

The downward force that is exerted on the hitch ball by the coupler. The tongue weight will vary depending on where the load is positioned in relationship to the trailer sxle(s). To measure the tongue weight, use either a commercial scale or a bathroom scale with the coupler at towing height. When using a bathroom scale with heavier tongue weights, use the method shown and multiply the scale reading by 3.



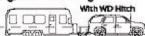
# Weight Carrying / WC

The total weight of both the trailer and the cargo inside. Never exceed the weight capacity of your trailer hitch.

### Weight Distribution / WD

Used to balance the weight of the cargo between the front and rear wheels throughout the trailer, allowing for better steering, braking, and level riding.

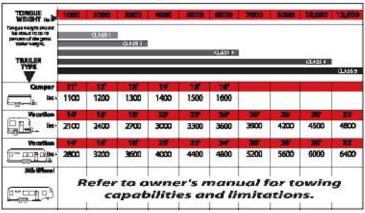




## Sway Control

A device used to reduce the lateral movements of the trailer that are caused by the wind. This works in conjunction with a weight distribution hitch. Do not use this on a class 1 or 2 hitch, or with surge brakes.

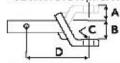
# How Much Can You Safely Tow?



#### Ball Mount

The ball mount is placed inside the opening of the receiver hitch which is mounted to the vehicle. Make sure a hitch pin and clip is properly securing the ball mount to the receiver hitch before you begin towing.

A: Rise, B: Drop, C: Hole Size, D: Length.



#### Trailer Ball

The connection from the hitch to the trailer. There are many factors that determine the correct hitch ball:

- Number one is the hitch ball's gross trailer weightrating.
- The mounting platform must be at least 3/8" thick.
- The hole diameter must not be more than 1/16" larger than the threaded shank.
- Every time you tow, check the nut and lock washer to make sure they are fastened securely.

  • A: Ball Dia, B: Shank Dia, C: Shank Length, D: Shank Rise.



#### Coupler

The component that is placed over the trailer ball to connect the vehicle to the trailer. Be sure that the coupler size matches the size of the hitch ball and that the coupler handle is securely fastened. To determine what size hitch ball you need for your application you will need to know the size of coupler that is on the trailer. Be sure your coupler is properly adjusted to the ball you are using.

NOTE: For added security the use of safety devices such as Coupler Safety Pins and Locks is strongly recommended.

## Safety Chains

Safety chains are a requirement and should be crossed under the tongue of the trailer so that the tongue will not drop to the road if it becomes separated from the hitch. Always leave enough slack so you can turn. Never allow the safety chains to drag on the ground and never attach the chains to the bumper.

Trailer Classification: Safety Chain Breaking Force - Minimum

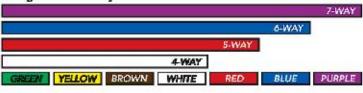
Class 1: 2,000 lbs. (8.9 kN) Class 2: 3,500 lbs. (15.6 kN) Class 3: 5,000 lbs. (22,2 kN)

The strength rating of each length of safety chain or its equivalent and its attachments shall be equal to or exceed in minimum breaking force the GVWR (Gross Vehicle Weight Rating) of the trailer.

#### Electrical

Trailer lights, Electric Brakes, Break-away systems - Every time you tow, be sure to check that all components are working properly.

Wiring identification by color:



# 12185

# BUICK REGAL SPORTBACK / CHEVROLET MALIBU

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GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,500 LBS. TRAILER WEIGHT & 350 LBS. TONGUE WEIGHT.

WARNING: ALL NON-TRAILER LOADS APPLIED TO THIS PRODUCT MUST BE SUPPORTED BY 18050 STABILIZING STRAPS.



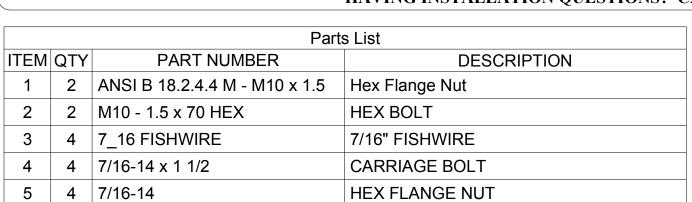
4 CM-SP2

DRIVER SIDE FRAME RAIL

**WARNING: \*\* FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY \*\*** 

WARNING: \*\*\* DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY

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REARMOST ATTACHMENT FOR MALIBU MODELS (BOTH SIDES)

FRAME RAIL ACCESS HOLE (BOTH SIDES)

PASSENGER SIDE

REARMOST ATTACHMENT FOR REGAL MODELS (BOTH SIDES)

.250 x .88 x 2.25" SQUARE HOLE SPACER

3

**DESIGNED FOR USE WITH BALL** MOUNT #45521

**EURO MOUNT OPTION AVAILABLE** 45571 (1 7/8" BALL) 45572 (2" BALL)

HITCH WEIGHT: 40 LBS. **INSTALL TIME** 

PROFESSIONAL: 30 MINUTES NOVICE (DIY): 60 MINUTES

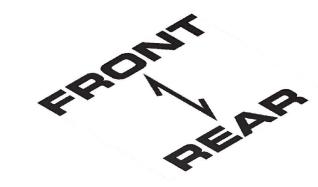
**INSTALL NOTES:** 

-NO DRILLING REQUIRED

-FISHWIRE HARDWARE

-TEMPORARY EXHAUST REMOVAL -TRIM HEAT SHIELD AND FASCIA

TOOLS REQUIRED		
RATCHET		
8" SOCKET EXTENSION		
13mm SOCKET		
15mm SOCKET		
11/16" SOCKET		
TORQUE WRENCH		
AVIATION SHEARS		
MASKING TAPE		
SAFETY GLASSES		





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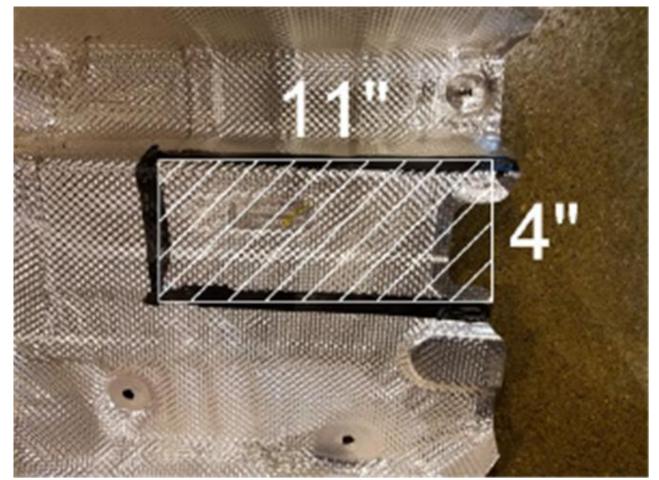
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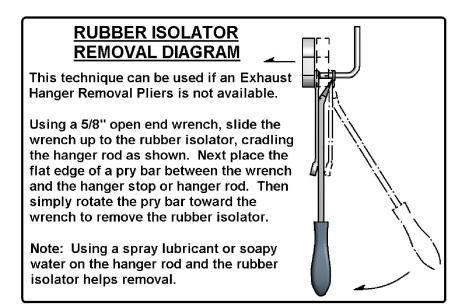
This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C.Regulation V-5 and SAE J684.

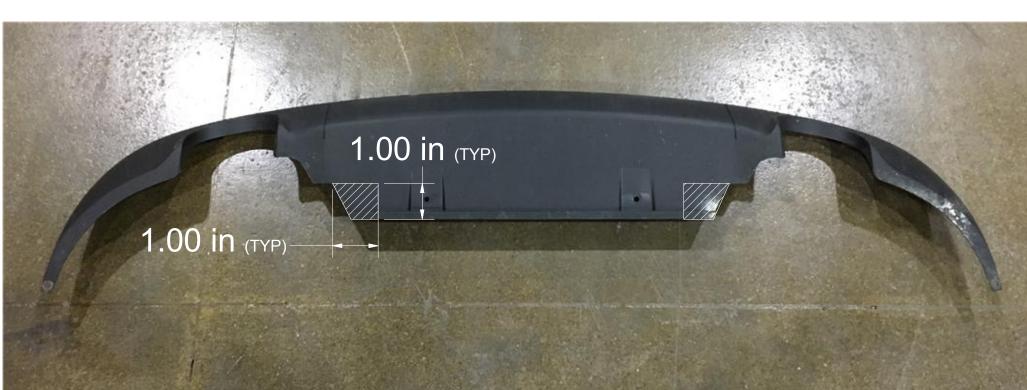
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# HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813







# INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE TO KEEP SPACER SEPERATE FROM BOLT AS SHOWN. PULL FISHWIRE, SPACER, AND BOLT THROUGH FRAME AND OUT MOUNTING HOLE. USE FISHWIRE TO GUIDE HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT / SPACER INSIDE FRAME RAIL. \*\*NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME\*\*

# **INSTALLATION STEPS**

- 1. On Malibu models only: Locate and remove exhaust hanger. Support the exhaust and remove (4) M8 bolts for the exhaust brace using a 13mm socket. Remove (2) M8 bolts for the exhaust flange using a 13mm socket. Save the exhaust brace and gasket for later reinstallation.
- 2. On Malibu models only: Separate exhaust flange and carefully slide the exhaust forward out of the rear bumper exhaust hangers. Set aside exhaust for later reinstallation. Remove the inside lower bumper bolts on each side of the vehicle using a 15mm socket. Replace with the supplied M10 bolts.
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