



BX1698

2011-13 Chevy Cruze RS Installation Instructions

Serial Number

Please read BOTH these Installation Instructions and the General Instructions before attempting to install or operate this equipment.

- Blue Ox® towing products and accessories are intended to be installed by Blue Ox® Dealers who are familiar with our products and have the equipment and knowledge to do “fit work”. When necessary Blue Ox® Dealers can be found at www.blueox.com or by contacting our Customer Care Department at (402) 385-3051.
- Many Blue Ox® baseplates are designed to use existing holes and hardware to mount the baseplate to the towed vehicle. Even though bolts are there, do not assume they are adequate for baseplate mounting. Always use hardware supplied in the hardware kit or existing hardware specified in the Baseplate Towing Installation Instructions.

Attachment Tab Height: 14.25”

Attachment Tab Width: 20”

Bolt Torque Specifications		
Torque in Foot-Pounds for Metric Bolts		
Bolt Size	Grade 8.8	Grade 10.9
6MM	6	8
8MM	16	22
10MM	31	40
12MM	54	70
14MM	89	117

Confirm the towability and pre-towing procedures for your vehicle with the owner’s manual or contact the vehicle’s manufacturer for specific towing procedures.

Bolt Torque Specifications		
Torque in Foot-Pounds for Inch Bolts		
Bolt Size	Grade 5	Grade 8
1/4”	10	14
5/16”	19	29
3/8”	33	47
7/16”	54	78
1/2”	78	119
5/8”	154	230



If the front of your vehicle looks different than this, call us at (402) 385-3051.

WARNING

Failure to read and follow these instructions could result in separation of the towed vehicle from the tow bar, causing property damage, loss of towed vehicle, personal injury or death.



BX1698

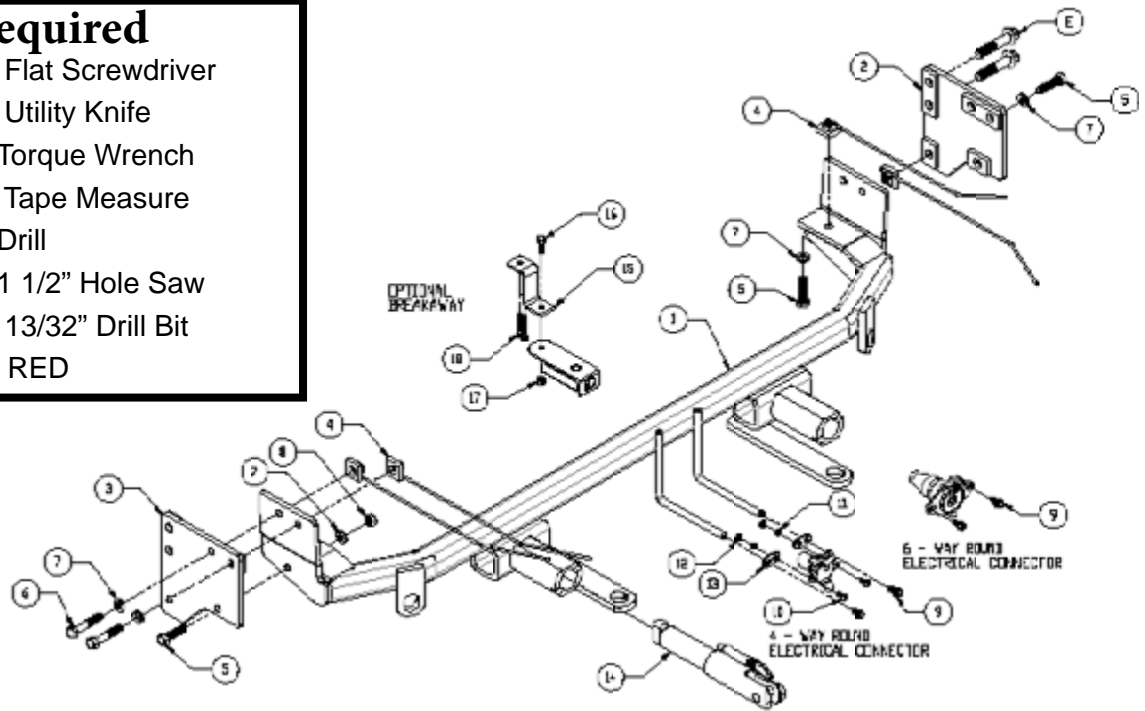
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Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-6904	WLDM'T, BP, BX1698
2	1	61-6884	WLDM'T, SUPPORT, DS, BX1697
3	1	61-6885	WLDM'T, SUPPORT, PS, BX1697
4	8	61-5208	WLD, NUT PLT, 1/4X1X1, 3/8"/14"WIRE
5	6	201-0440	3/8-16 X 1 1/2 HEX BOLT, GRD.5, ZP
6	4	201-0444	3/8-16 X 2 HEX BOLT GRADE 5 ZP.
7	10	203-0010	3/8 LOCK WASHER, ZP
8	2	202-0090	3/8-16 HEX NYL. INS. LOCK NUT, ZP
9	2	201-0553	1/4-20 X 1/2 HX.WSHD.TYPE F TCS, ZP
10	2	201-0192	10-32 X 1/2 SLOT, RD. HD. SCREW
11	2	203-0054	#10 LOCK WASHER
12	2	202-0047	#10-32 HEX NUT
13	2	101-5822	ADAPTER, 4 WAY CONNECTOR
14	2	62-3469	ATT TAB ASSY, REM, SF/LB, 1 HOLE
15	1	102-7056	COOLANT BRKT, BX1689
16	1	201-0050	1/4-20 X 3/4 HEX BOLT GRD.5, ZP
17	1	202-0102	1/4-20 HEX NYL NUT, ZP
18	2	201-0654	#10-16 X 1 SELF DRILLING SCREW
E	2		EXISTING METRIC BOLT
	2	226-0046	BASEPLATE SAFETY CABLE, 36" CL III (Not Shown)
	2	229-0359	QUICKLINK, 3/8, ZP (Not Shown)
	2	290-0437	RECEIVER, CAP PLUG (BLK) (Not Shown)

Tools Required

10MM Socket	Flat Screwdriver
13MM Socket	Utility Knife
18MM Socket	Torque Wrench
9/16" Socket/Wrench	Tape Measure
T20 Torx	Drill
Large Vise Grip	1 1/2" Hole Saw
Reciprocating Saw	13/32" Drill Bit
	Loctite® RED



Important:

Use only genuine factory replacement parts on your baseplate. Do **NOT** substitute homemade or non-typical parts. If a bolt is lost or in need of replacement, for your safety and the preservation of your baseplate, be sure to use a replacement bolt of the same grade (In most cases it will be Grade 5, please reference the parts list above). Replacement parts may be ordered through your nearest Blue Ox® Dealer or Distributor. Failing to follow and/or altering these installation instructions in either installation or required equipment will void the manufacturer's warranty.



BX1698

2011-13 Chevy Cruze RS Installation Instructions

Attachment Tabs:

Due to the design of the removable tabs, the RangeFinder II, Acclaim and Ambassador tow bars can not be used. Adapters, except the BX8833 and BX88151, can not be used with this baseplate.

Instructions Notes:

The front fascia, horn bracket and air baffle are removed for baseplate installation. Drilling is required. Trimming of fascia and plastic air dam is required.

The dimensional variations between otherwise identical vehicles can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturer's tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods or bending end plates.

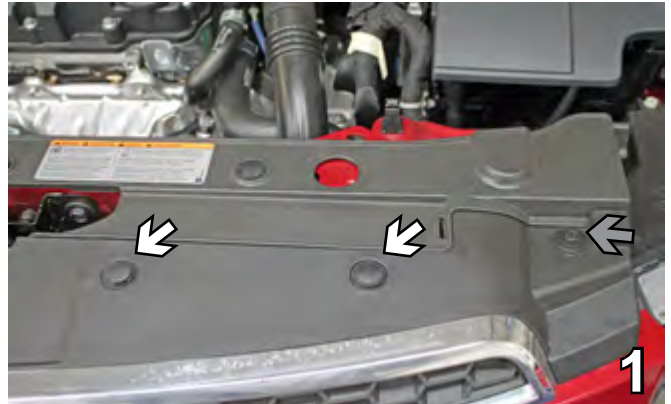
The BX8869 Bulb and Socket Wiring Kit is available for this vehicle.



Possible Location of the BX8869 Bulb & Socket Wiring Kit

Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.

Installation Instructions:



1. Remove the two push pins (white arrows) from the black plastic cover just above the radiator. Using a 10MM socket, remove the metric bolt at the edge of the fascia (gray arrow). Do this on both sides. Set pins and bolts aside to be reinstalled later.



2. Just forward of front tire, on the edge of the wheel well, are three bolts to remove with the T20 Torx, both sides. Set bolts aside to be reinstalled later.

BX1698

2011-13 Chevy Cruze RS

Installation Instructions



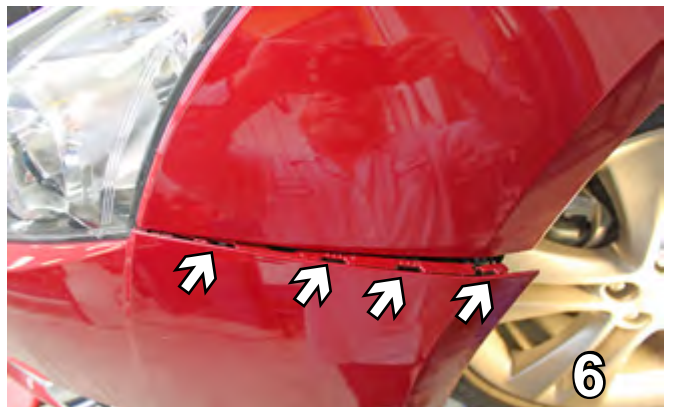
3. Remove the two bolts from underneath the fascia, just forward of front tires with the T20 Torx, both sides. Set the bolts aside to be reinstalled later.



4. Remove the four push pins from underneath the fascia. Set pins aside to be reinstalled later.

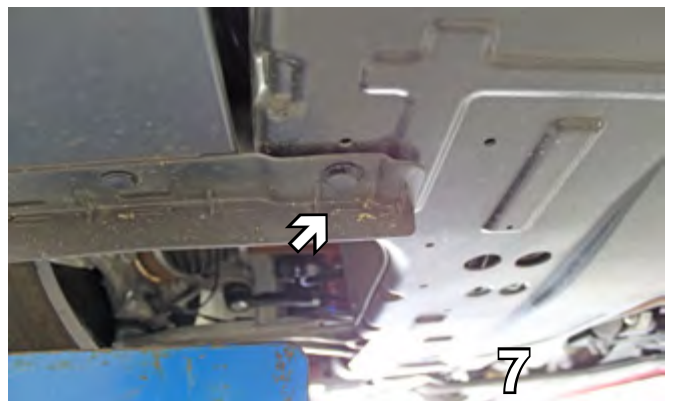


5. In front of the front tire, pull the lower air dam off the pin. Then pull the lower shield off the pin also in order to remove the fascia.



6. Pull out and to the side on the outside corner of the fascia next to the wheel to release the first tab. Using a small flat screwdriver push in on each of the four tabs as you pull the fascia. Do this on both sides. Remove the fascia and set aside carefully to be reinstalled later.

7. On the passenger side, remove one push pin from the bottom of the belly pan. Set push pin aside to be reinstalled later.





8. On the passenger side, inside the wheel well, remove one push pin. Set push pin aside to be reinstalled later.



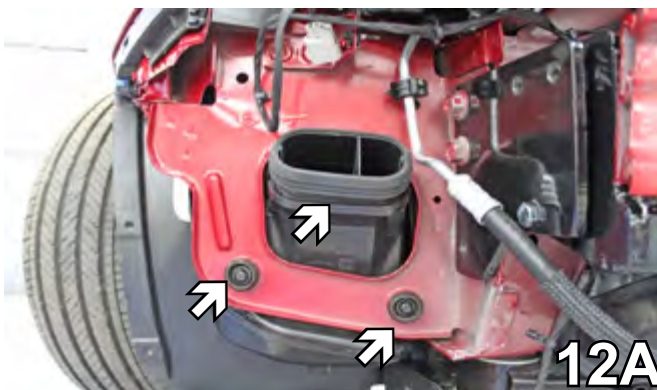
9. Inside the fascia on the driver side, unplug the side lamp, temperature sensor and fog lights. On the passenger side, unplug the side lamp and the fog lights.



10. On the passenger side using a 10MM socket, remove the metric bolt from the top of the air baffle. Set the bolt aside to be reinstalled later.



11. On the passenger side move the plastic ledge from the top of the tube (white arrow). Below the headlight, detach the air baffle from the bottom section of the tube (gray arrow). Set aside to be reinstalled later.



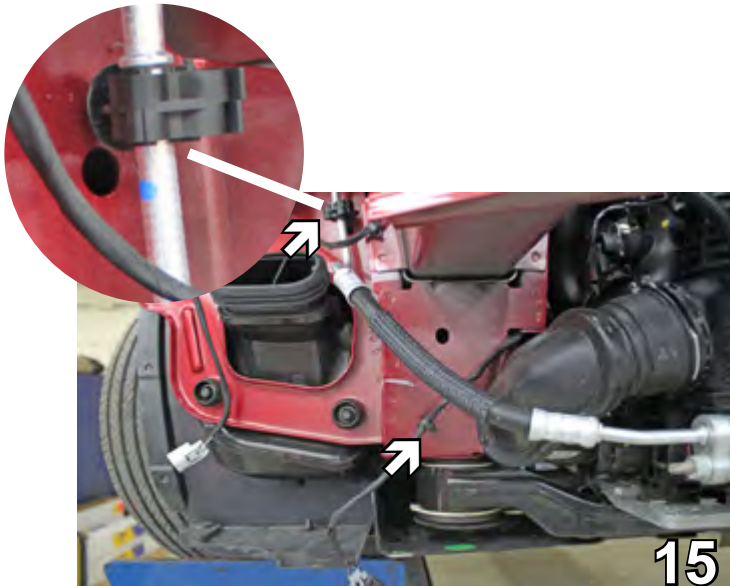
11. On the passenger side, push the air baffle back and slide it down to remove. Set aside to be reinstalled later.



13. On the driver side using the 13MM socket, remove the metric bolt from the horn bracket. Unplug and set the bolt and horn aside to be reinstalled later.



14. On the driver side, pull out the clip holding the hose. Move it out of the way, it will be reattached later.

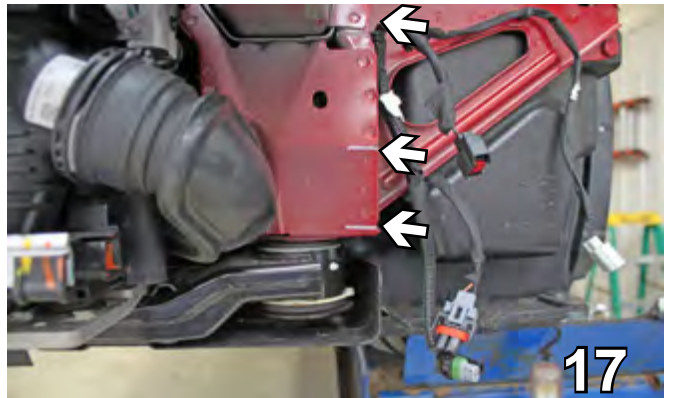


15. On the passenger side, unclip both lines to allow more flex when installing the baseplate. It will be reattached later.



16. Using the utility knife, cut the plastic air dam along the top even with the bottom of the bumper and remove lower section. Do this on both sides.

17. Cut frame webbing at the top, at the bend and at the bottom with a reciprocating saw. Be careful not to cut the main part of the frame. Do this on both sides.

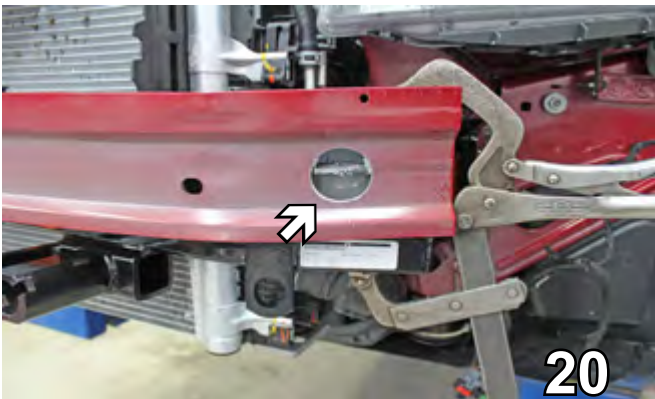




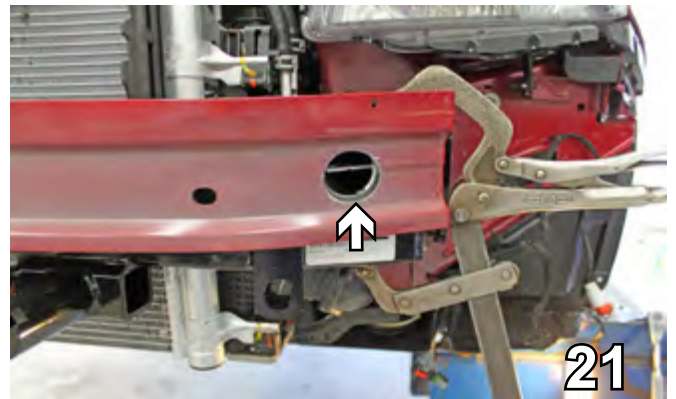
18. Using vice grips, bend the frame webbing over and flatten with a hammer. Do this on both sides.



19. Using an 18MM socket and a wrench on the other side, remove the two metric bolts next to the flattened area. Do this on both sides.



20. Using the 1 1/2" hole saw, drill a hole centered in the bumper, just in front of the frame end to be used for inserting 3/8" nut plates. Do this on both sides.



21. Inside the 1 1/2" drilled hole is a cross piece, which may need to be bent vertically with a pry bar in order to insert 3/8" nut plate. Do this on both sides.

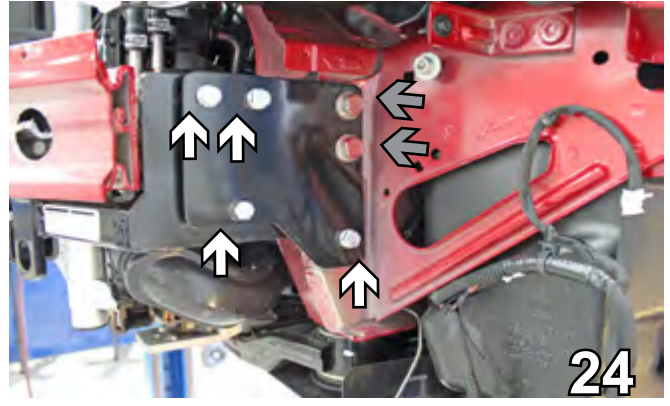


22. Slide the baseplate onto the passenger side, then driver side, bumper supports and clamp in place. Using the 18MM socket, temporarily install weldment supports on both sides with the existing bolts. Then align the baseplate holes with the weldment support holes and reclamp to bumper support. Be sure baseplate is level with the vehicle.



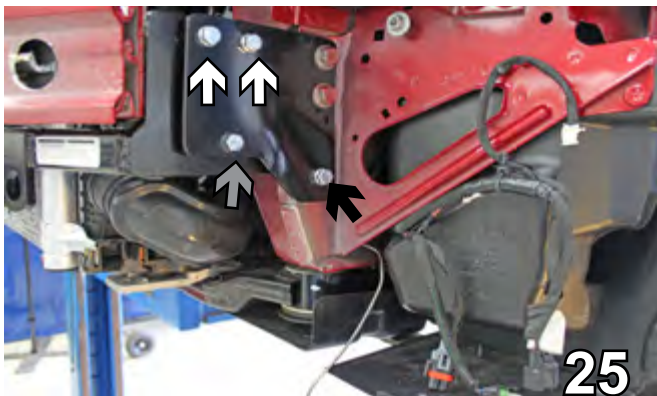
23. Using the baseplate as a template, drill a hole on the bottom side with the 13/32" drill bit. Insert 3/8-16 x 1 1/2" hex bolt with Loctite Red and 3/8" lock washer. Attach to 3/8-16 nut plate inserted through the 1 1/2" lower opening on bumper. Do this to both sides.

When using power drills be aware of the dangers of torque and drill bit length.

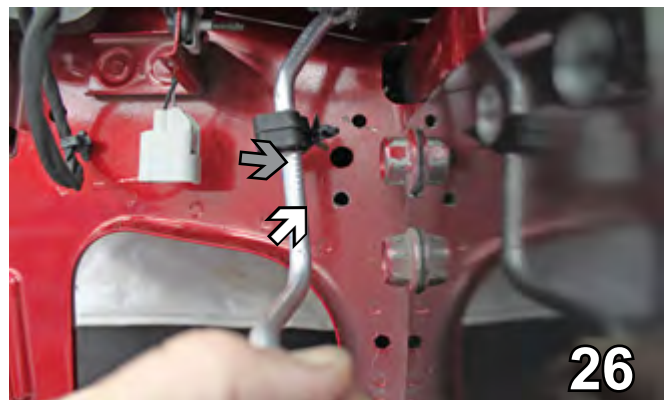


24. Remove the existing bolts apply Loctite Red and reattach the support plates to the existing holes on the outside of the frame (gray arrows). Use 18MM socket and a wrench on the other side to tighten bolts in order to sandwich the baseplate between the frame and the support plates. Using the support plate as a template, drill the other four holes with a 13/32" drill bit (white arrows). Do this on both sides.

BE SURE TO USE LOCTITE® RED ON ALL BOLTS BEFORE TIGHTENING. TIGHTEN ALL BOLTS ACCORDING TO THE TORQUE CHART ON THE FRONT PAGE OF THESE INSTRUCTIONS OR ON PAGE 3 OF THE BASEPLATE GENERAL TOWING INSTRUCTIONS.



25. Bolt the upper two holes (white arrows) with 3/8-16 x 2" hex bolts, 3/8" lock washers and fasten to 3/8-16 nut plates inserted through the drilled hole in the bumper. In the lower outside hole (gray arrow) bolt the support plate to the baseplate with 3/8-16 x 1 1/2" hex bolt fastened with 3/8" lock washer and 3/8-16 hex nut. Into the lower inside hole on the baseplate (black arrow), insert 3/8-16 x 1 1/2" hex bolt with 3/8" lock washer fasten to a 3/8" nut plate inserted through an existing hole underneath in the frame. Be sure to use Loctite Red on all bolts. Do this on both sides.



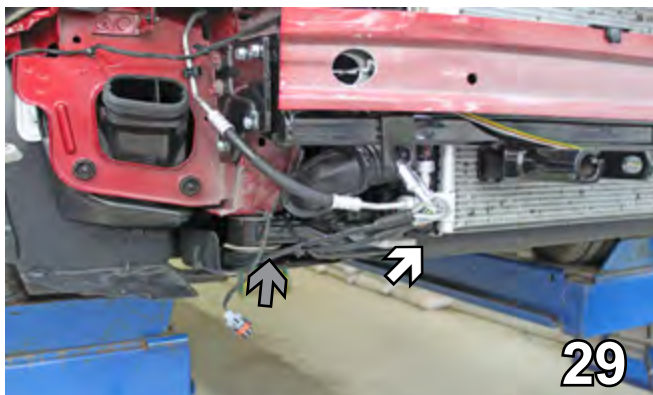
26. On the passenger side in the corner next to the baseplate, drill a 1/4" hole below the large hole (gray arrow) and pop the clip back in (white arrow). Be sure it is low enough so that the line misses the baseplate.



27. Reattach the lower part of the air baffle.



28. Reattach the horn bracket on the driver's side.



29. Attach the permanent baseplate safety cables to the provided convenience link on the front of baseplate. Cable ties are provided to reduce clearance issues with moving parts of engine compartment (white arrows). The photo above shows the recommended installation of the cables to lower cross member of vehicle (gray arrow). Additional options may interfere with suggested mounting; in this case secure the cables to a solid piece of the frame as described in the instructions included with the permanent baseplate safety cables. Be sure the safety cables do not rub against any hoses or moving parts. Do this to both sides of the vehicle.



30. Reattach the upper portion of the air baffle.



BX1698

2011-13 Chevy Cruze RS Installation Instructions



31. **Optional:** Attach the breakaway bracket to the bottom of the bumper between two fascia ribs with two 10-16 x 1" self drilling screws. Attach the breakaway to the bracket with 1/4-20 x 3/4" bolt and 1/4-20 hex nut.

Install the tow bar and safety cables according to the instructions included in their packages. When demonstrating this to the customer, be sure to include all the contents and packages.

Do **NOT** substitute other devices if the tow bar pin and clip are misplaced.

Be sure that ALL electrical connections are plugged in properly and functioning BEFORE installing the fascia.

32. Reinstall the fascia.



33. Possible location to mount the 4 or 6 pin electrical coupler on the fascia's lower air dam.



BX1698

2011-13 Chevy Cruze RS Installation Instructions

DEALER or INSTALLER:
Be certain the user receives the
instruction sheets for their products.



Shown without removable tabs installed.



Shown with removable tabs installed.

If the baseplate is in an accident, it must be replaced. DO NOT use it again! An accident can cause unseen damage and using it again could result in more damage or serious injury. DO NOT use the baseplate if it is damaged or missing parts.

CUSTOMER SERVICE COMMITMENT

Blue Ox is committed to providing you with exceptional customer care throughout your lifetime with our products. Our team is here to assist you with any questions you may have regarding the performance of your product. Simply call (402) 385-3051 and you can speak with our customer care team.

Additionally, please visit our website to see which rallies our Destination America team will be attending. For a nominal fee, our service technician will service your towing system to ensure it's in proper working condition. Also, as a commitment to our customers, should you visit our factory you can stay at our full service Blue Ox campground at no charge along with enjoying a factory tour.

Again, thank you for being our customer and for the confidence you have shown in the performance of our products. It is because of customers like you we enjoy the success we have today.



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8/24/12