

# Mounting Kit 53900-MKPB-QLIV

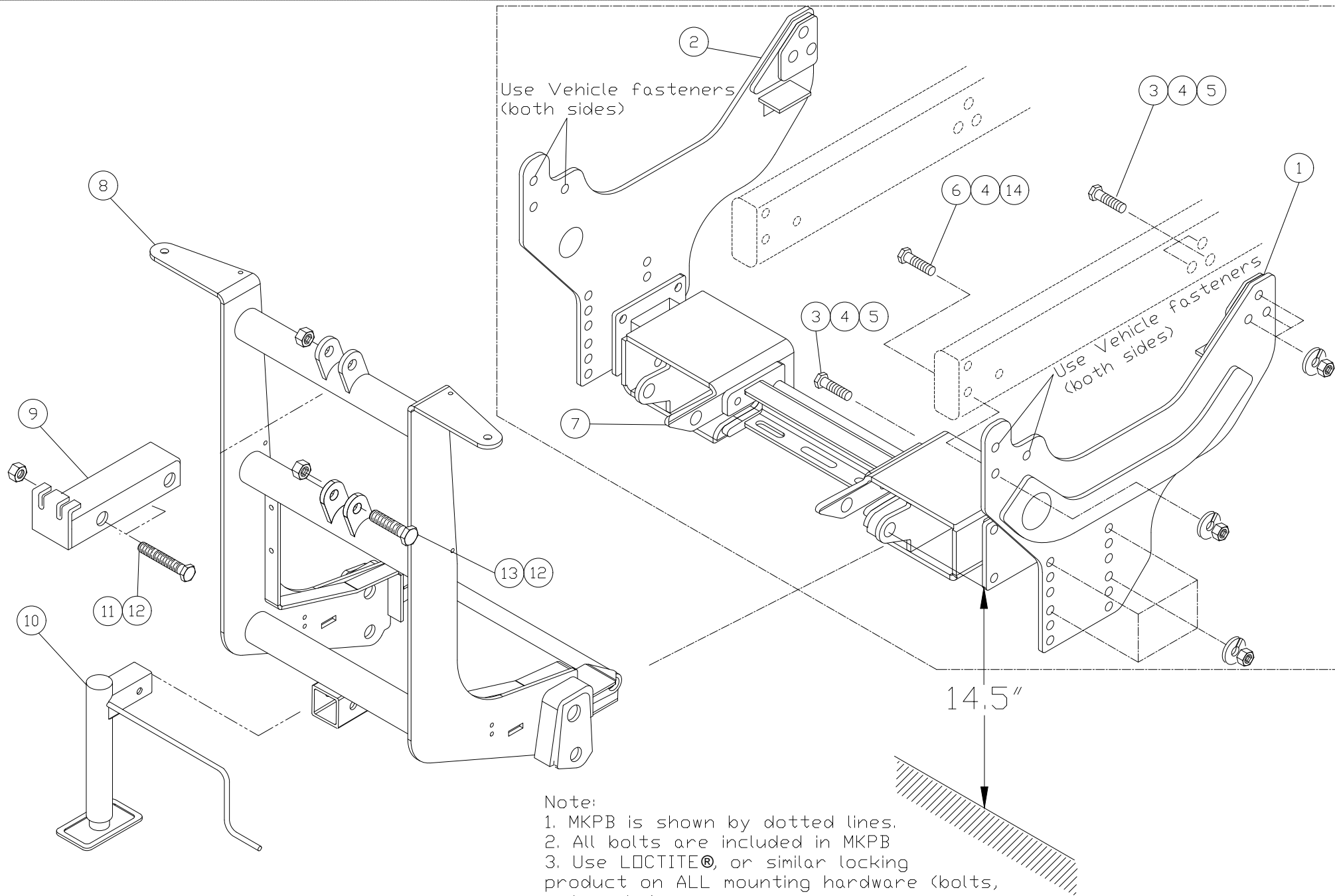
GM 4500/5500/6500, CV International Class 4,5,6 (2019-2023)

**▲ Warning**

Arctic Equipment Manufacturing Corporation (Arctic) does not assume liability for damage to your motor vehicle resulting from the attachment or use of an Arctic snowplow. The purchaser assumes all vehicle risk associated with the attachment and operation of this snowplow. The Arctic snowplow you purchase must be used only on vehicles equipped with the manufacturer's snow plow preparation packages. Snow plowing without the original plow preparation package may damage your vehicle. The added weight may impair the operation and control of your vehicle. Snow plowing with a vehicle not recommended for that purpose by the manufacturer may void your new vehicle warranty. If your vehicle is not equipped with an original snow plow preparation package, additional equipment may be necessary before snow plowing. Please consult your vehicle and snowplow dealers prior to the purchase and installation of the snowplow. The installation of such parts however is not a full substitute for the original equipment snowplow preparation package.

The loaded vehicle, including all aftermarket accessories, the snowplow, passengers and cargo, must not exceed the gross vehicle weight ratings (GAWR), front gross axle weight rating (FGAWR) or rear gross axle weight rating (RGAWR) specified on the Safety Compliance Certification Label located in the driver's side door opening. It is the operator's responsibility to verify that these ratings are not exceeded. The use of rear ballast weight may be required to prevent exceeding the front GAWR.

To determine the Gross Axle Weights for your vehicle, including all aftermarket accessories, the snowplow, passengers and cargo, take your loaded vehicle and the snowplow to a scale. With the snowplow attached, place the front wheels of the vehicle on the scale to get the front gross axle weight (FGAW). To get the rear gross axle weight (RGAW), place the back wheels of the vehicle on the scale.



53900-MKPB-QLIV			
Item	Part #	Description	Quantity
1	53901-01-D	Driver Side Mounting Bracket	1
2	53901-02-D	Curb Side Mounting Bracket	1
3	HH-00972-129	5/8"-18 x 1 3/4" HHCS	14
4	HH-00457-003	5/8" lock washer	16
5	HH-00460-001	5/8"-18 hex nut	14
6	HH-01081-138	5/8" x 4" NC G8 HHCS	2
7	53507-C	QLIV Wide Spreader bar	1
8	53517-HANDLE	QLIV High boy lift frame	1
9	52612-M-GA	Dual Lift channel	1
10	52373-M	Jack Ass'y	1
11	HH-00972-155	3/4" x 4" UNF HHCS	1
12	HH-00973-007	3/4" Thin collar lock nut	3
13	HH-00972-153	3/4" x 3 1/2" UNF HHCS	6
14	HH-01025-006	5/8" NC G8 Hex nut	2

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## Installation Instructions

Before drilling any holes in the firewall or frame, move brake lines, fuel lines and/or electrical wiring from the path of the drill. Brake and fuel lines must also be clear of any fasteners. Do not under any circumstances disable, remove or relocate any sensors or other components related to the operation of the air bags.

General order of installation:

- install all components (mounting bracket, thrust arm and spreader bar) and all fasteners finger tight (snug) through existing holes,
- use removable grade LOCTITE #242 on all bolts,
- drill necessary holes and
- tighten all hardware.

After first use, re tighten all mounting bolts; thereafter check mounting bolt tightness periodically and at the start of the season.

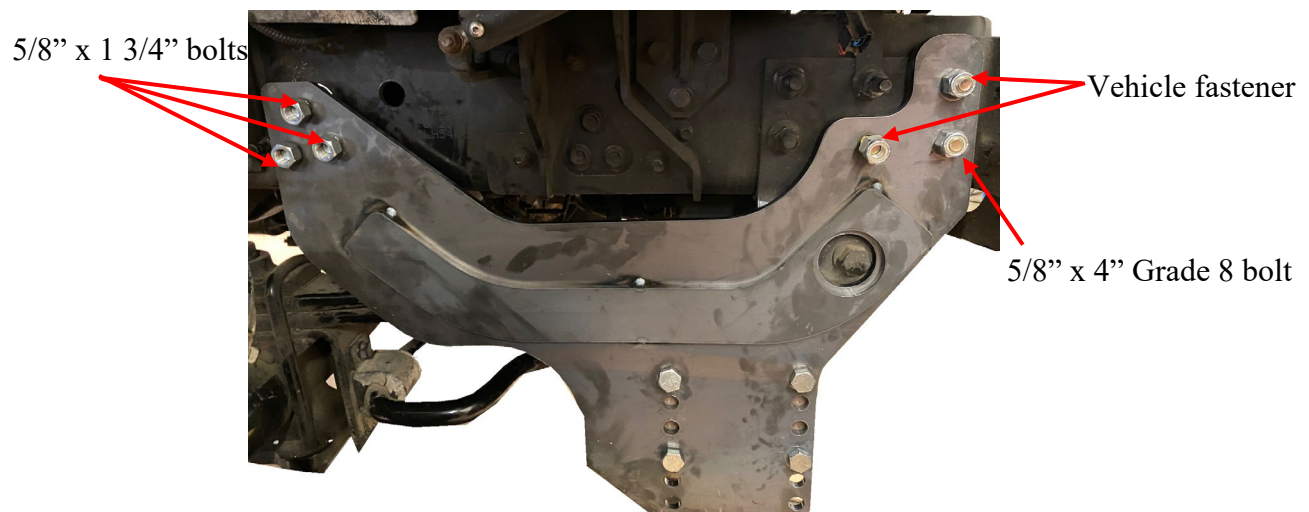
Before proceeding, read instructions carefully and familiarize yourself with the components and hardware.

NOTE: It may be necessary, on some vehicles, to use a form of load booster to decrease the vehicle's front suspension sag when snowplows is attached to the vehicle. This can be done with the use of booster springs, supplementary air bags or similar load boosting devices. It is up to the customer to choose and purchase the product that suits this application.

Arctic Equipment Manufacturing reserves the right, under its product improvement policy, to change construction, design details or specifications without notice or without incurring any obligation.

**Installation Instructions:**

1. Remove bumper and take tow hooks out of the vehicle, it will be installed back on the vehicle once mounting kit is installed.
2. Install driver side mounting plate (1) on the outside of vehicle frame. At the rear of driver side mounting plate (1), insert three 5/8" x 1 3/4" bolt (3) from the inside of vehicle frame and secure it with 5/8" lockwasher (4) and 5/8" hex nut (5) (refer to Picture 1). Do not tighten any fasteners.
3. At the front of driver side mounting plate (1), insert one 5/8" x 4" grade 8 bolt (6) through the tow hook and secure it with 5/8" lock washer (4) and 5/8" hex nut grade 8 (14). Insert back the vehicle fasteners to the remaining two holes. (refer to Picture 1)



Picture 1

4. Repeat the same procedure on passenger side.
5. Insert the spreader bar (7) in between driver side mounting plate (1) and passenger side mounting plate (2), jack the spreader bar all the way up till spreader bar hole is around 14 1/2" off the ground (refer to drawing on Page 3).
6. Insert 5/8" x 1 3/4" bolt through the spreader bar (7) and mounting plates (1)(2) and secure it with 5/8" lock washer (4) and 5/8" hex nut (5).
7. Torque all the fasteners according to the torque chart.
8. Reinstall the bumper back on the vehicle.
9. Return any unused items to the customer so that the vehicle can be returned to its original condition if the snowplow is removed.

10. See separate installation instructions for the hydraulic power unit, wiring and controls.

Suggested torque value for bolts				
Thread Size	Grade 5		Grade 8	
	Dry (ft. lb)	Oiled (ft.lb)	Dry (ft. lb)	Oiled (ft.lb)
¼-20	8	6	12	9
¼-28	10	7	14	11
5/16-18	17	13	24	18
5/16-24	19	15	27	21
3/8-16	31	24	44	34
3/8-24	35	27	49	38
7/16-14	49	38	70	54
7/16-20	55	42	78	60
½-13	75	58	105	82
½-20	85	65	120	90
5/8-11	150	115	210	165
5/8-18	170	130	240	185
¾-10	270	205	375	290
¾-16	295	230	420	320
7/8-9	395	305	605	455
7/8-14	435	335	670	515
1-8	590	455	905	695
1-14	660	510	1030	785

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