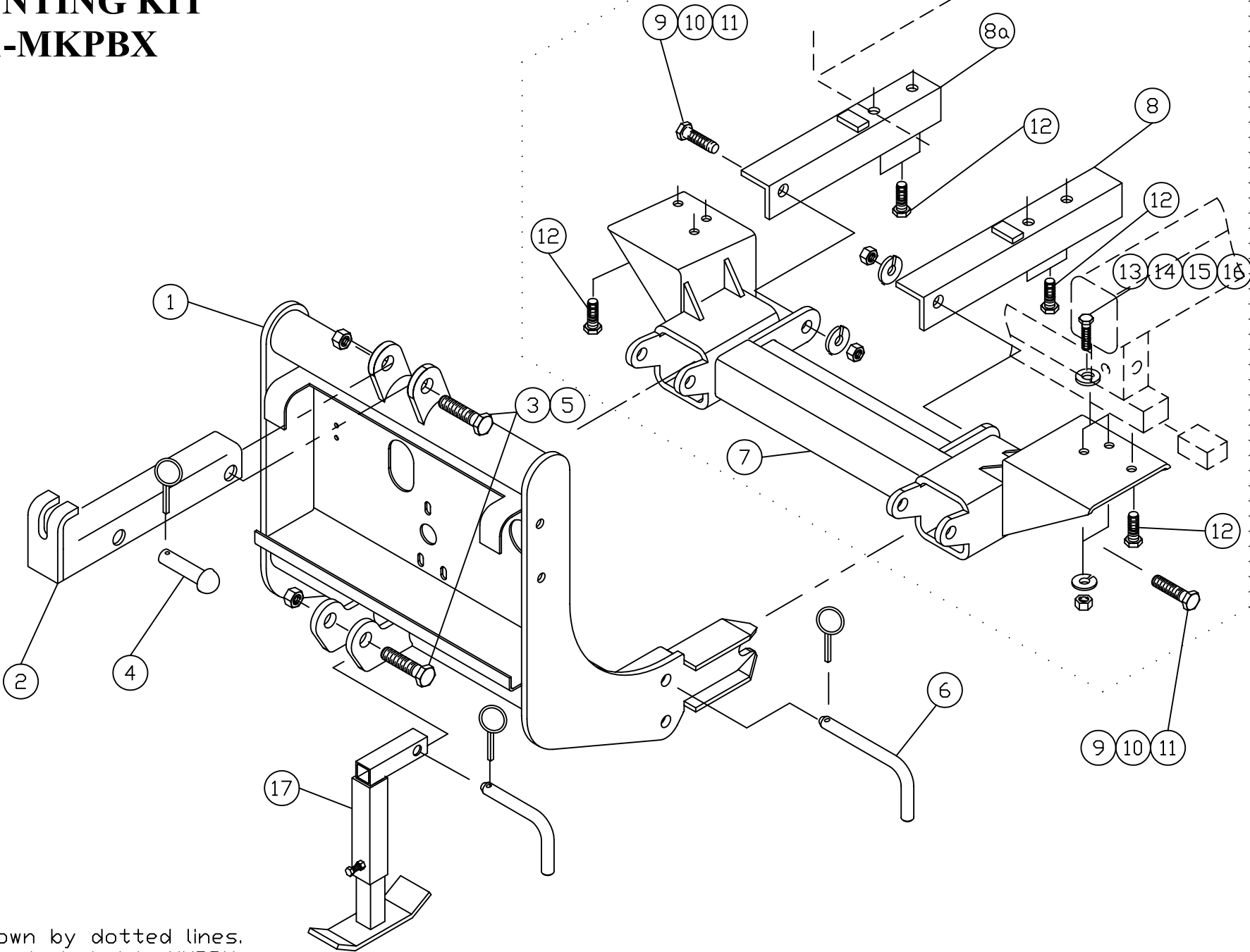


MOUNTING KIT

Toyota Tacoma (4x4) (2005 - 2006)

53221-MKPBX

MOUNTING KIT 53221-MKPBX



Note:
1. MKPBX is shown by dotted lines.
2. All bolts are included in MKPBX.

Arctic Equipment Manufacturing Limited

Mounting kit 53221-MKPBX

53221-MKPBX R00

INST0132

Mounting Kit 53221-MKPBX				
Item	Part #	Description	MKPBX	X-MKB
1	52638-D	Lift Frame		1
2	50069-C	Lift Channel		1
3	HH-00972-153	3/4"x 3 1/2" UNF Capscrew	2	
4	52757-M	Rivet Ass'y (rivet & lynch pin)		1
5	HH-00973-007	3/4" UNF Thin Collar Locknut	2	
6	1302045	Pin assembly		2
7	53222-D	Mounting bracket assembly	1	
8	53225-B	Thrust arm driver side 15 7/8"	1	
8a	53226-B	Thrust arm curb side 14 7/8"	1	
9	HH-00972-129	5/8"-18 x1 3/4 UNF Hex Head Cap Screw	2	
10	HH-00457-003	5/8" Lockwasher	2	
11	HH-00460-001	5/8"-18UNF Hex Nut	2	
12	HH-00931-056	M12 x 1.25 x 40 mm Hex Head Cap Screw	8	
13	HH-00972-090	1/2-20x1.1/2 Hex Head Cap Screw	2	
14	HH-00341-006	1/2" Flat washer	2	
15	HH-00457-001	1/2 Lock washer	2	
16	HH-00460-002	1/2-20 Hex Nut	2	

Arctic Equipment Manufacturing Limited

Mounting kit 53221-MKPBX

53221-MKPBX R00

INST0132

Mounting Kit 53221-MKPBX				
Item	Part #	Description	MKPBX	X-MKB
17	52671-M	Jack Assembly (with lynch pin)		1
18*	50999-B	Blade Guides		2
19*	HH-00293-006	1/4"x1" UNC Capscrew	4	
20*	HH-00294-001	1/4" Hex Nut	4	
21*	HH-00457-006	1/4" Lockwasher	4	

Note: * These items are not shown on the drawing.

GENERAL

Customer must be aware of following:

Arctic Equipment Manufacturing Limited (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.

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.

All bolts should be installed from the inside of the truck frame so that the lockwashers and nuts are accessible for retightening (where it is possible).

Do not use flatwasher under lockwasher. If a slotted hole in the truck frame is utilized, then a flatwasher must be used under the bolt head. If a flatwasher is used under a lockwasher use LOCTITE #242. Also use LOCTITE #242 if existing (vehicle) bolts and nuts are used.

General order of installation:

- install all components (mounting bracket, thrust arms) and all fasteners finger tight (snug) through existing holes,
- drill necessary holes and
- tighten all hardware.

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



For easier installation, grind only the paint out of the top holes of the mounting bracket and the top hole of the lift frame, where the mounting pins will go.

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

INSTALLATION INSTRUCTIONS

1. DO NOT REMOVE bumper from truck. Remove splash pan.
2. Remove cross member extension and one bracket attached to the cross member with two bolts. Remove two braces that support cross member.

3. Install mounting bracket (7) using four M12 screws (12) in existing holes in the cross member (one 12 mm bolt (12) will be installed in the cross member extension on each side of the vehicle frame). Using two holes in mounting bracket (12) as a guide drill 17/32" holes in the cross member. Insert two ½" bolts (13) with ½" flat washers (14) through cross member and secure them with ½" lock washer (16) and ½"(15) nut . Apply removable LOCTITE #242 .
4. Attach two thrust arms (8)(8a) as shown on the drawing and secure one side using two hex head screws M12 (12) to the vehicle frame. Apply removable LOCTITE #242 . The other end secure to the mounting bracket (7) using 5/8 bolt (9), lock washer (10) and nut (11) as shown on the drawing.
5. Torque all fasteners using torque chart.
6. Install lift frame (1). Slide lift frame (1) inside of mounting bracket (7). Insert mounting pin (6) in top holes of the mounting bracket (7).
7. Fasten lift channel (2) and lift cylinder to the lift frame (1) using 3/4"x 3 1/2" bolts (3) and 3/4" locknut (5). Use 3/4" rivet and lynch pin to attach lift cylinder (lift cylinder needs to be installed after power unit is installed). NOTE: *Do not over tighten as this assembly must be able to pivot.*
8. Torque all fasteners according to torque chart.
9. Use 1/4"x1" bolt (19), 1/4" lockwasher (21) and 1/4" hex nut (20) to fasten plow guides (22) to blade.
10. Return any unused items to the customer so that the vehicle can be returned to its original condition if the snowplow is removed.
11. See separate installation instructions for the hydraulic pump, wiring and controls.

TORQUE CHART (FT. LB.)		
SIZE	GRADE 5 BOLT 	GRADE 8 BOLT 
$\frac{1}{4}$ - 28	8	11
$\frac{5}{16}$ - 24	15	22
$\frac{3}{8}$ - 24	28	40
$\frac{7}{16}$ - 20	44	63
$\frac{1}{2}$ - 20	69	97
$\frac{5}{8}$ - 18	138	195
$\frac{3}{4}$ - 16	241	341
<i>Note:</i> Torque values are for plated bolts only		