

BRO-TEK

1. Introduction:

A. Proud Owner:

- . You are now the proud owner of a Bro-Tek Skid Plate. This Skid Plate (JD--M-R-SP) is made of 1/8" steel diamond plate. It will outlast your original JD tractor & be ready for your next one. Please read these instructions before installing the Skid Plate. The Skid Plate has been designed for easy installation & pre-painted with a very durable paint (Dupli-Color/High Perf Graphite Wheel).



Important I do not recommend having the skid plate with the mid mount mower (MMM) installed on your machine. Note: Removing the skid plate only takes 3 minutes.

B. Feedback:

- . We would love any feedback that you could give us (Positive/Negative) in order to improve our product line. Please email us your comments/pictures too:
bro-tek@hotmail.com or visit our web site www.bro-tek.biz

2. Safety Precautions: **Important Safety**

- A. Park on a firm level area.
- B. Stop engine, set brake, remove key and wait for all moving parts to stop before servicing, adjusting or unplugging.
- C. Block up before working beneath unit.

3. Tools/torque/Parts required:

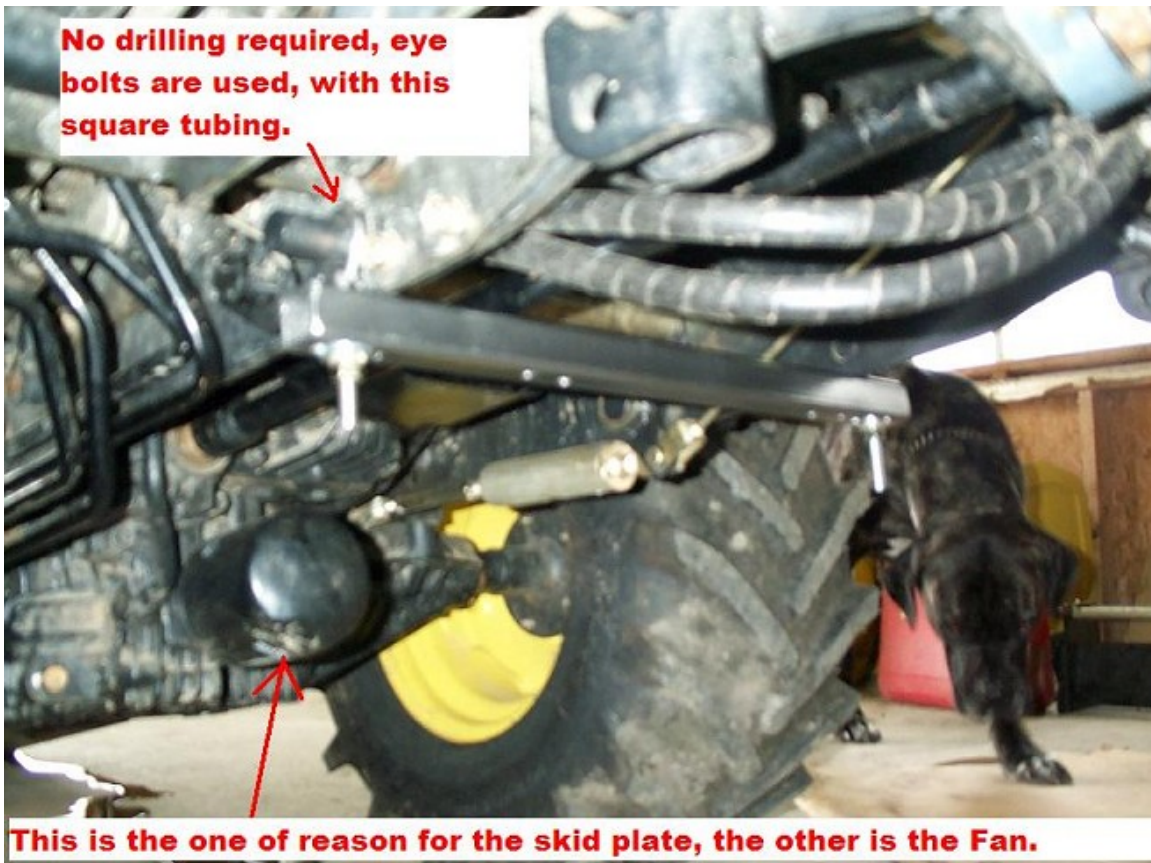
- A. Wrenches or socket (3/8"@6Lb-Ft or hand-tighten) for self-tapping screw.
 - B. Socket 15/16"@90lb-ft for the rear bolt.
 - C. Torque wrench (22 to 115Lb-Ft).
 - E. Drill & drill bit (7/32").
 - F. Small jack.
 - G. Wrenches or socket (1/2"@10Lb-Ft) trap door/Eye-Bolts.
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4. Assembly Instructions:  **Important Safety**

.1 Once you have followed the safety precautions & have removed the skid plate from it's packaging, please take note of all the parts & follow the assembly instructions.


.2 Free up work place of all disturbance & clutter. Take your time installing it (This can be easily done by one person in 15 to 30 minutes).

.3 Install supplied eye-bolts (see photo) over the each stub, but do not install the nuts on these. Get ready to install the supplied square tubing, but first slid a washer on the eye-bolts. Line up the square tubing with the pre-drill hole & install washer, lock washer & nuts. Tighten the eye-Bolts all the way (1/2"@10Lb-Ft). You should now be like the one shown in the photos below.



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.4 Take your skid plate & slid it underneath the tractor. Install the bolt with its lock washer & washer. Now install the two spacers & sandwich these between & hand-tighten nut (hand-tightening will leave some play that will make it easier to line up the skid plate). Now is a good time to use the small jack to support the skid plate in this position.

 **Important Safety** Do not lift tractor up with jack. Use jack only to support skid plate. Stop lifting skid plate once it has made contact with rear of tractor.



Install the two spacer & nut/bolt. Use a 15/16"

.5 Line up the front of the skid plate in a manner that it is centered between the frame rails. Check clearances around the skid plate so that there are no points of contact other than the mounting locations.


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.6 Install a 7/32" drill bit or you can install the supplied bolts (self-tapping screw & washers & torque these by hand "snugly" with a 3/8 socket



.7 Torque the back nut, Socket 15/16"@90lb-ft

.8 Check everything out for clearances & binding. Recheck nuts & bolts every month. If attachment is installed, check their clearances with the skid plate & PTO shaft (put the 3pt in the lowest & highest position).

 **Important Safety** If there is a point of contact, do not continue to use tractor

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5. **Congratulations:**

You have successfully installed your Bro-Tek Skid Plate. I hope this was a pleasant experience & that you would recommend this product to all of your tractor friends. The skid plate can remain on the tractor, for all the preventative maintenances & the every day use.

6. **Thank you:**

We would like to thank you for supporting us & hope to do future business with you with, our new upcoming line of products.

7. **Reasons for having a skidplate:**



Under the BX, very good coverage. Very easy to install. Rear view, access to oil/drain

Since I've had my BX22 (2003), I've notice that these BX Tractors are awesome machine, but had one weak spot. I've been in contacts with other BX owner on Tractorbynet, which had encountered various major problems.

The most common one is the fan blade, this can happen very easily, be running over a small bush, which spring backup to wedge itself into the fan.

Quote:

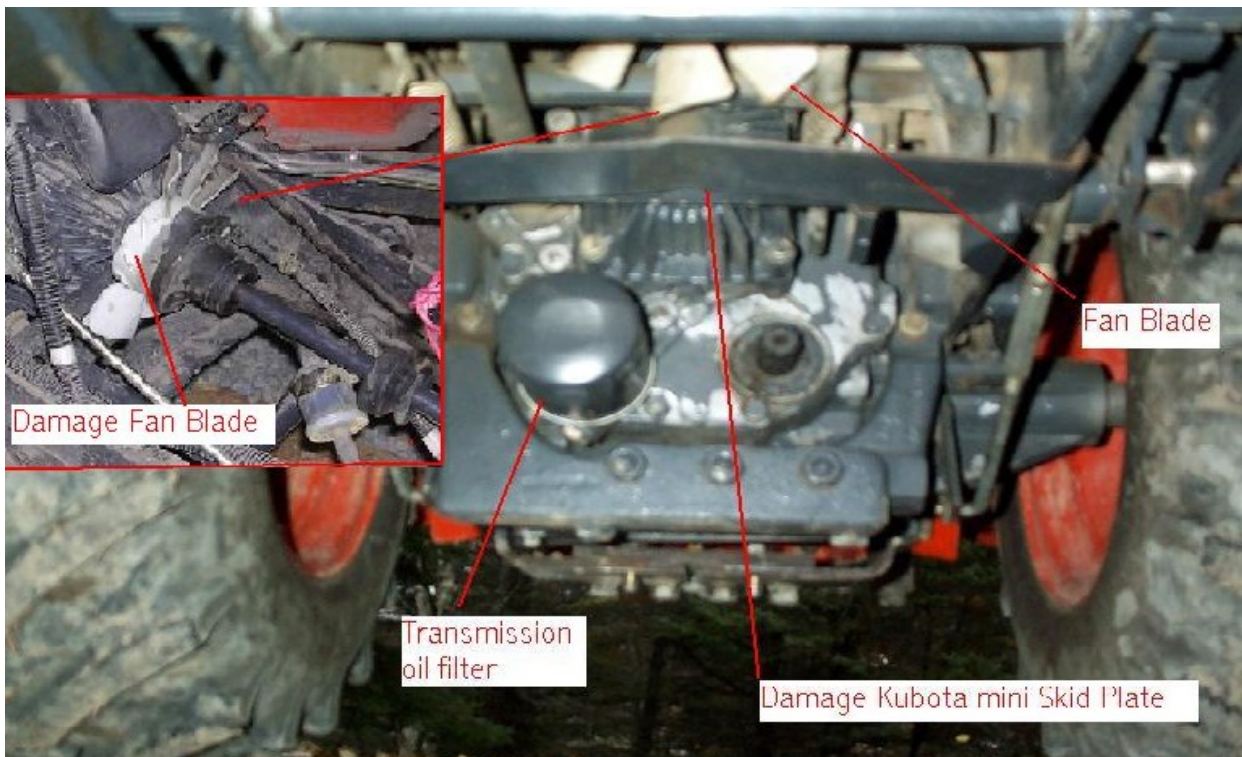
“ Now the bad news for other BX24 owners. I also had to have the HST fan replaced. I must have gotten a stick up under the tractor and took all the blades off the fan. Would have never known it except for when I had the 50hr service done. That was not covered under warranty. Dealer was going to replace it when he put the new fender on. This was going to be a minor thing since it would

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be so exposed with the fender off. Probably as no charge.

Now the bad news. Unlike a BX23 which has room to pull the drive shaft out far enough to remove the fan, the BX24 does not. My dealer called Kubota since they could not get enough clearance to pull the shaft out and find out why. Seems with the BX24 you have to either pull the engine or in my case disassemble the rear end to remove shaft and replace fan. **Total cost to me... \$607.82 US.**

I have a skid plate on order and should be here anytime. So BX24 owners. Protect that little plastic fan as it is really expensive to have it replaced. Cheers JT “ End Quote



I've also had various damages reports of the transmission casing being crack by a rock (2-down California)...very expensive repair.

There has been one report, that the owner had forgotten to remove the half of his drive shaft on his Mid Mount Mower (MMM), which damage the oil filter & casing. There been many reports of the mid PTO connector not fully engage (Reminder to make sure to pull/push, after installing your PTO)& disconnecting at 2000RPM. Skid plate opening should hold the end of the shaft in the opening, preventing it from destroying the tractor.

There also been a major one with a puncture oil filter, which damage the transmission, due to running with no oil...

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There are well over 60 of these sold in the USA, in the past 6 months & I've received all Positive feedbacks. They were all very pleased with the quality & design of the product.

8. New products, now available:

Brush Forks is (4) a bolt on. Unit will be shipped in 8 pieces in a box. One piece of angle iron will have to be purchased locally & some minor welding is required for final assembly. Design to be very easy to install & assemble.



Thumb is (4-grade8) a bolt on. Unit will be shipped complete in a box, all hardware included (Except top link which comes with the BX tractor). Design to be very easy to install & assemble. Contact area; have been treated to hard facing. Unit is foldable, unlimited adjustment. Thumb can move this rock (around 650lb). Fits Kubota Model# BX22,23 &24.

Great item to have!

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9.A few feedbacks from customers:

Hi Richard,

Got the skid plate. Went on like a charm. Is there a torque amount for the self-tapping screws? I didn't see it in the instructions. I tightened them snugly. I have been known to over tighten, way to many times. **Bro-Tek reply: There no torque value, tightened by hand snugly is exactly what to do....**

I have a small tree stump that will be dug up soon. I cut the tree and knew it was just a little taller then my rear axle on the BX23. I punctured a rear tire on a piece of broken glass. From the sound, I thought I might have damaged a hydraulic line under the tractor on that stump. I had mixed feelings about it being "just" the tire.

This and packing snow under and around the transmission fan is why I went looking for protection for the underside of my tractor. I had read about your skid plates on Tractor By Net and then found them on Ebay.

I decided that I would test out the new skid plate. I went slowly over that stump. I felt the plate rise over the stump. I looked under to check and the tractor was now on the stump. The plate was working beautifully. Didn't even scratch the plate! I tried it again. This time with more confidence. The plate slid on the stump, then I felt the stump stop me suddenly. The bolt nuts on the hitch caught the stump. I was going very slowly so there was no problem. If I was moving at a normal speed, I think the nuts would have just dragged on over the top of the stump taking a little wood with them.

Thanks for a great product. I feel that the skid plate is very good insurance to protect my BX23.

A happy customer,
Wayne (WBworld)

Richard,

I received it yesterday. Looks Great, Thanks.

Will come in handy when I take the BX through the snowmobile trails in the fall for brush removal.

A rock in the wrong spot could make for an unhappy day.

Thanks Glenn D.

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Richard:

Even for a mechanically challenged person like me, installing the skid plate was relatively simple. The plastic tie-wrap was a big help, since I was doing the job by myself.

Best, Tom

Hello I just saw your post on the skid plate you made on TBN... Very Nice!!! Do you still have one available to sell??? I just tore open my Hydro Filter this past weekend on a sapling in the woods after driving my BX23 for a year with no problems!?!?!? Do you have any pics or additional info reading it??? Sounds good on the info part, but could you send me the Paypal for the skid first... I definitely want the skid here ASAP! I have a landscaping company and need to get my machine running ASAP... I bent the filter last weekend while driving through the wood spreading stone & rock. I need to finish the job up but am afraid now of another incident with the filter. Darn thing is, I saw your ad on ebay about a month ago but said to myself "Naaa... I haven't had a problem like that!"

Thank god for TBN!!!!Thank you for your time,
Bryan
New Jersey

Check out the following link or do a search on eBay for "Kubota BX"

<http://members.ebay.ca/ws/eBayISAPI.dll?ViewUserPage&userid=bro-tek>

I was wondering since you have been making the BX skid plate and have become well known for the design/quality at the tractorbynet.com site; if you might consider making your backhoe thumb available to us? In either case, I would be interested to know more – I am still deciding whether to go with a weld on unit or the bolt on style.

ScottBX23

Check out : [8.New products](#)

Just wanted to let you know I got the plate. It went on without a hitch and it was just what I was looking for. It was a pleasure doing business with you. Thanks
Kevin

Hello Richard,

The skid plate arrived today. It really looks nice and you do some good work. I will be putting it on this Friday as I am clearing alot of tree lines. Now I will not have to worry about getting harpooned by them branches. Also I showed your skid-plate to my dealer I bought my tractor from. They really liked the idea and liked your work so they may contact you. I will also let people know about you when they see mine and want one.

Thanks again and it has been nice dealing with you.

Glenn H.

Hi Richard,

Just an up date. The skid-plate went on very easy and was done in about 15 min. Crawling around on the wet ground was the worst part. I had no problems and will feel much safer now doing my clearing job. You did a good job with it so keep me informed of any new ideas you come up with. Thanks for a good product, Glenn H.

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I purchased a skid plate from you a couple of months ago and have been very pleased. I'm interested in possibly getting a thumb and perhaps a skid plate extension for my BX.

Thanks for offering a good product and being straight up with your customers. That goes a long, long way.

John
Columbia, South Carolina - USA

Sorry for the delay - been busy. Thought you would like to know, the new skid plate with the Woods BH6000 sub frame and the MMM work just fine together, I even found it easier to attach the PTO shaft. Go figure!

Congratulations Steve

I will be singing praises on TBN as often as I can. I don't post much because there are people more qualified to answer questions, but I will write pages about your customer service and the quality of your work.

Richard puts out great products & he stands behind his work 100%, Great guy to deal with.

Ken

Hi Richard, I got the plates today, and already put them on. Looks like it will give me the protection I need. No problem in getting them on. I appreciate all your help, and will recommend your plates to a neighbor who has an older BX although he doesn't see the need yet.

We had snow today, and I plowed some driveways for neighbors, and when running over the piles didn't pack snow under the belly like before, so am extremely pleased with the snow deflection, so not just for the bushes and stumps which I originally got it for.

Regards, Ron BX2350

Hi Richard,

The skid plate package was out shipped quickly, showing up on time. The thumb went on as easily as promised, and did a couple of hours of honest work yesterday afternoon. Very nice design, easy to attach and set up!

The skid plates also went on fairly smoothly. They look good and rugged. Interesting getting down under the machine and taking a close look at the cute little plastic fan for the HST. It amazes me that a machine built as ruggedly as this one has such a potential weak link, and that it is in as vulnerable place as it is! Glad I'm covered now. Thanks!

Talk Soon,

Ken
