

Date Created: 26 June 2020

Product: Snake S1 320, S2 320 & S2 400

Title: Fitment – Mulch Kits P/N 808-000-041 & 808-000-042



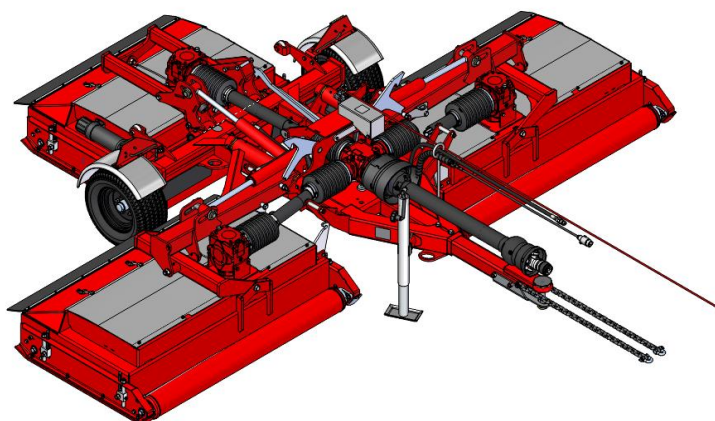
SAFETY! Before attempting to make any adjustments or carry out maintenance on the mower, review the hazard identification table (section 3a of your Operator Manual) and take all necessary precautions.



IMPORTANT:

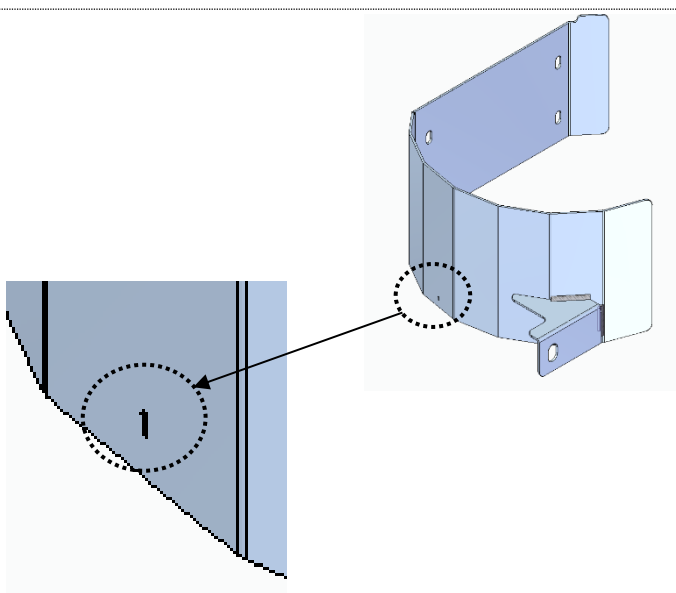
This process covers the fitment of a Mulch Kit to the underside of the mowing decks on Snake S1 320, Snake S2 320 and S2 400 mowers.

Read through this whole procedure before beginning the job.

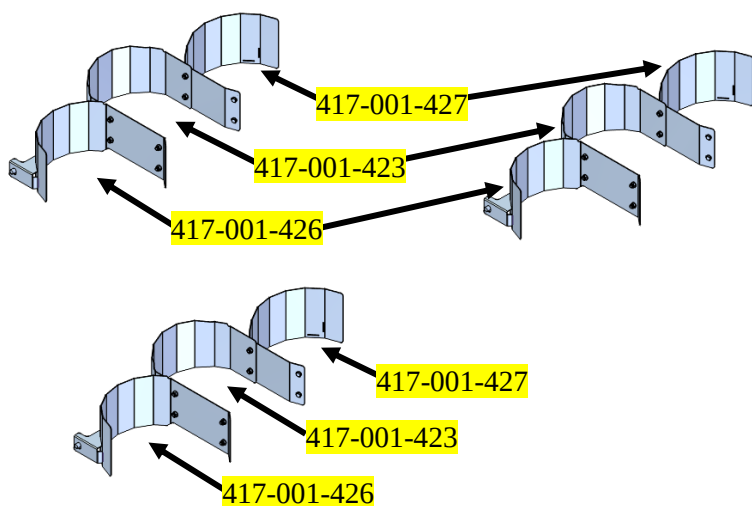


Park the Snake on a flat, level surface.

Ensure the surrounding area is clear of obstructions and people.



All the parts in the mulch kit have a small 6mm (1/4") single digit ID number cut into them to make identification easier.

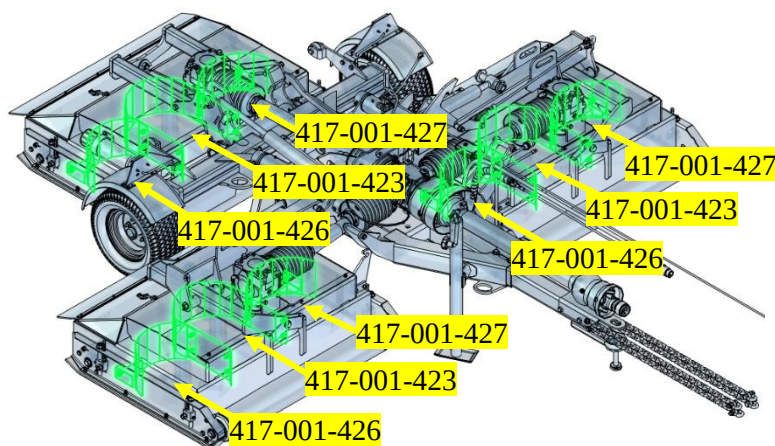


For Snake 320, use Mulch Kit **808-000-041**.

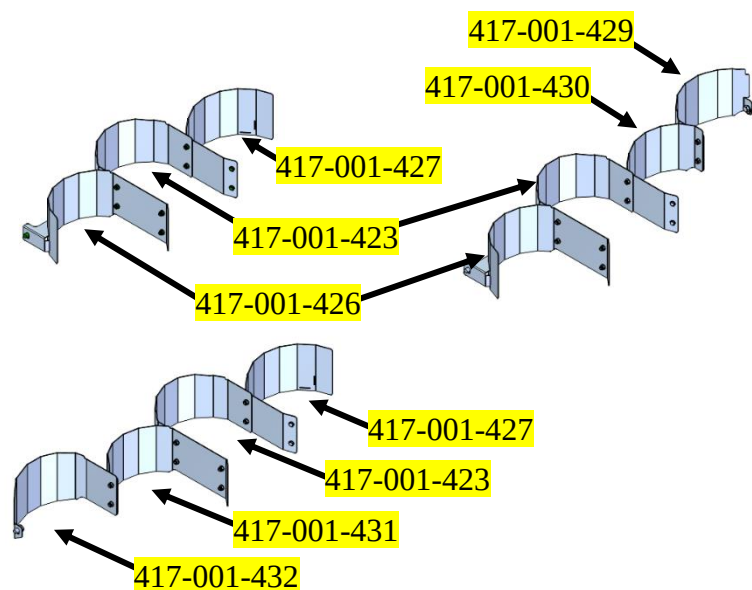
Parts list:

Snake 320 has 3 identical decks and therefore requires the following parts.

3x 417-001-426 (ID number 1)
 3x 417-001-423 (ID number 2)
 3x 417-001-427 (ID number 3)
 24x Bolts - M10x25
 6x Bolts - M16x25
 24x Nuts - Nyloc M10
 48x Washers - Light Flat M10
 6x Washers - Spring M16
 6x Washers - Heavy Flat M16



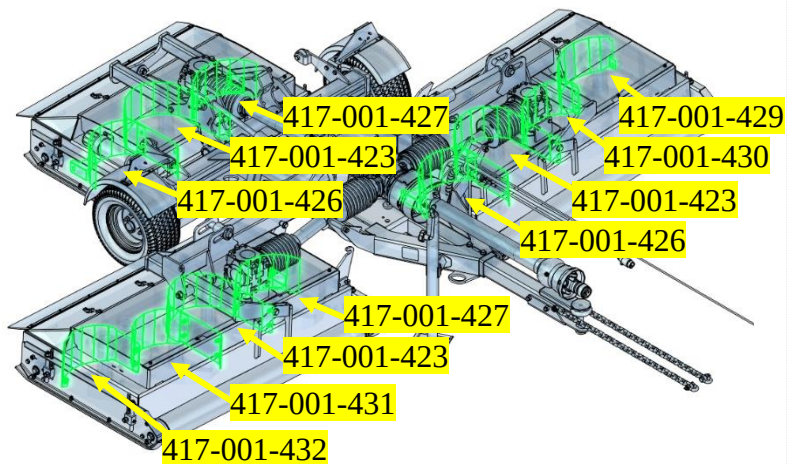
Snake 320 Mulch Kit Baffle positions shown in **GREEN** in the inset.



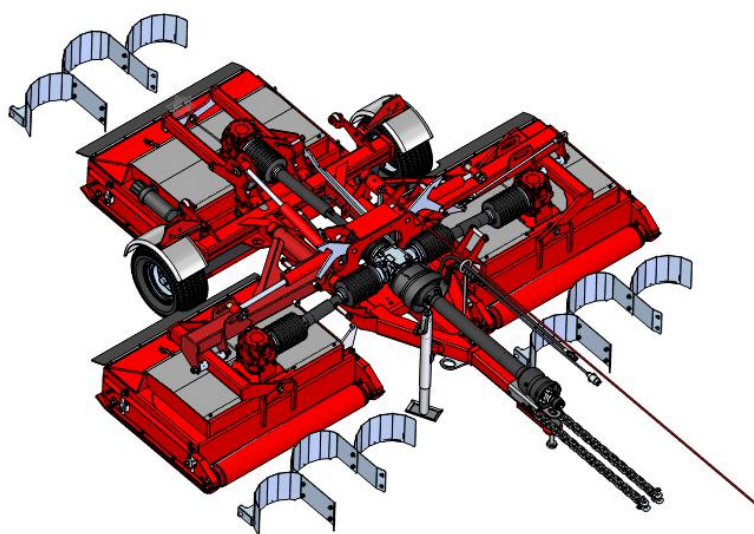
For Snake 400, use Mulch Kit **808-000-042**.

Snake 400 mulch baffles parts list:

2x 417-001-426 (ID number 1)
 3x 417-001-423 (ID number 2)
 2x 417-001-427 (ID number 3)
 1x 417-001-429 (ID number 4)
 1x 417-001-430 (ID number 5)
 1x 417-001-431 (ID number 6)
 1x 417-001-432 (ID number 7)
 28x Bolts - M10x25
 6x Bolts - M16x25
 28x Nuts - Nyloc M10
 56x Washers - Flat M10
 56x Washer - Spring M16
 6x Washers - Heavy Flat M16



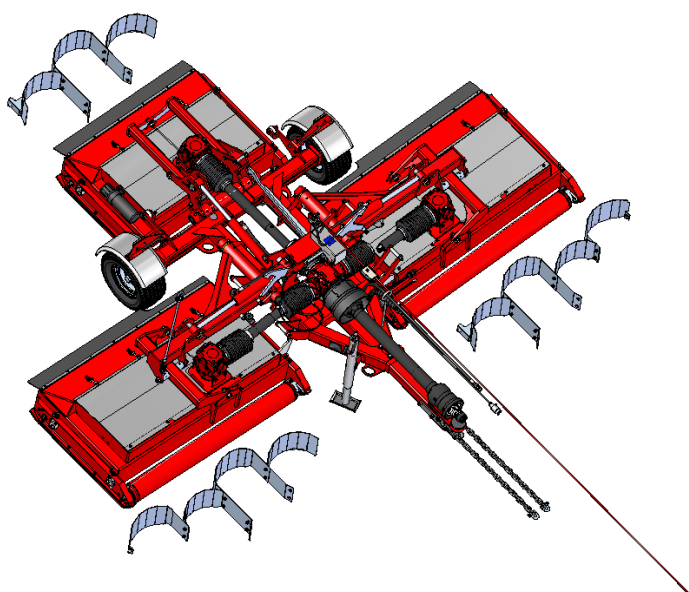
Snake 400 Mulch Kit Baffle positions shown in **GREEN** in the inset.



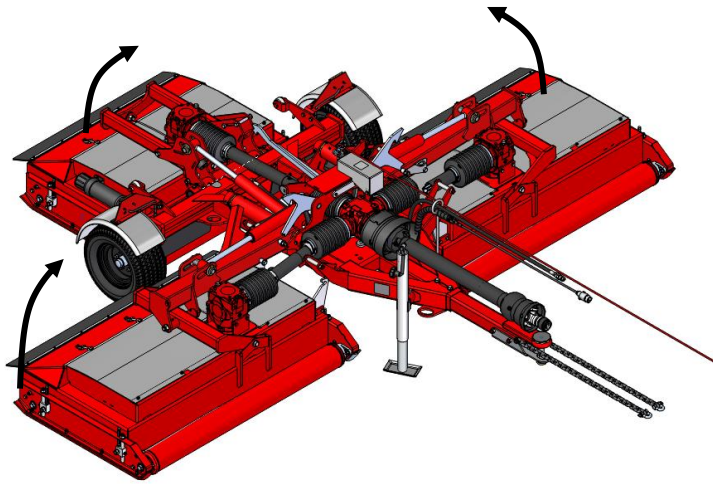
Before beginning, lay out the Baffles in front of the side decks and behind the rear deck of your Snake mower as shown.

This will make the fitment process simpler by not having to continually check one of the above reference images for part numbers.

Snake 320 shown in this step.



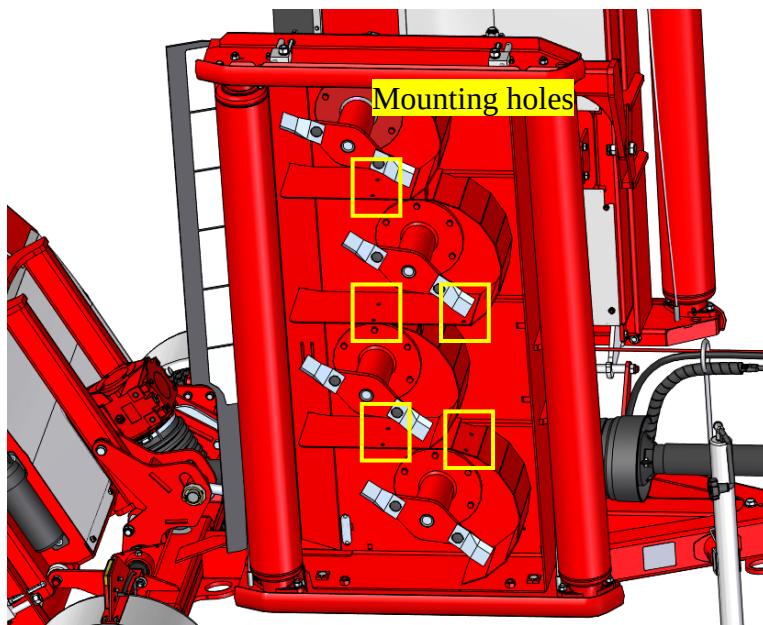
Snake 400 shown in this step.



Operate the hydraulics to raise the decks to their maximum position.

Ensure the transport locks engage.

Remove some pressure from the hydraulic system so that the weight of the deck rests on the transport locks.



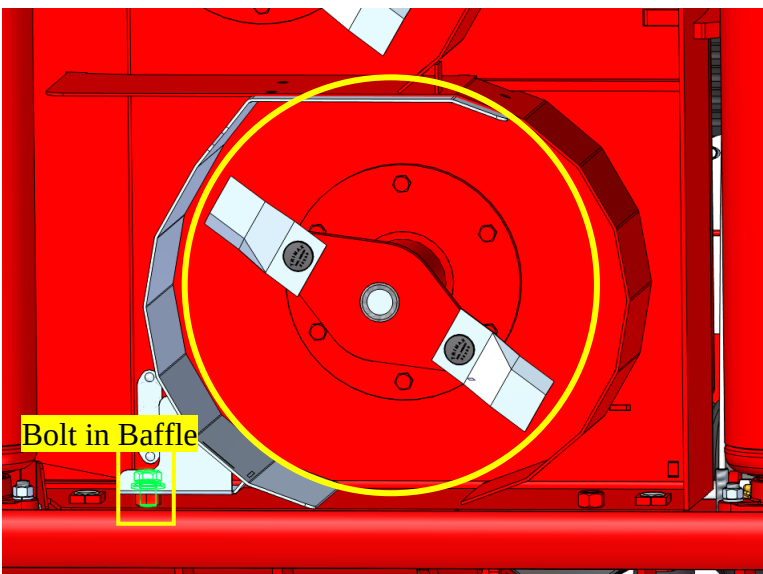
This procedure shows the LH Deck from a Snake 400 - the general process is the same for all decks though.

Clear away any grass, dirt, and debris from the cutting chamber.

Mounting holes in the mower body for the mulch kit are available on mowers made in the 2nd half of 2020 and later.

For later mowers with the mounting holes already present (as shown in **YELLOW**), skip to page 8.

For earlier Snake S2 and all Snake S1 mowers the holes will need to be drilled, using the following steps.

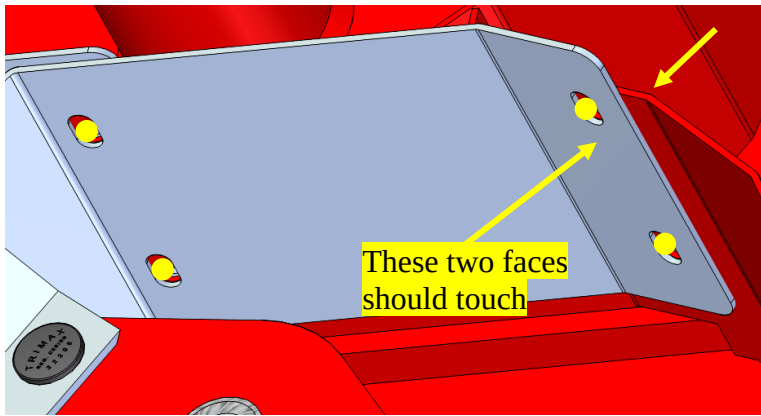


Insert the Mulching Baffle (**417-001-427** or **ID number 3**) into the bottom cutting chamber closest to the ground. Right hand deck shown on Snake 400.

Bolt in using an M16 Bolt, Flat Washer and Spring Washer. Some extra washers may be needed as spacers.

First ensure that the blades can spin freely without fouling the Mulching Baffle at the top of the cutting area, as indicated by the **YELLOW** circle in the inset.

The blades should clear the Mulching Baffle by 5mm (3/16").

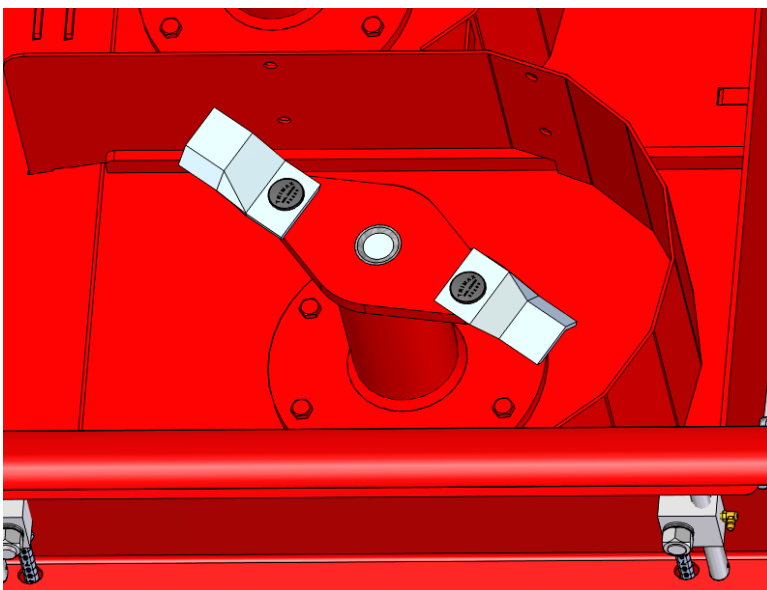


Once enough clearance has been achieved and the top edge of the Mulching Baffle is parallel with the Snake Baffles, use a clamp to keep the baffle in place.

With the Mulching Baffle securely in place, mark the holes to be drilled.

These marks should be in the centre of the slotted hole on the Mulching Baffle.

This will provide some extra adjustment once the holes are drilled.

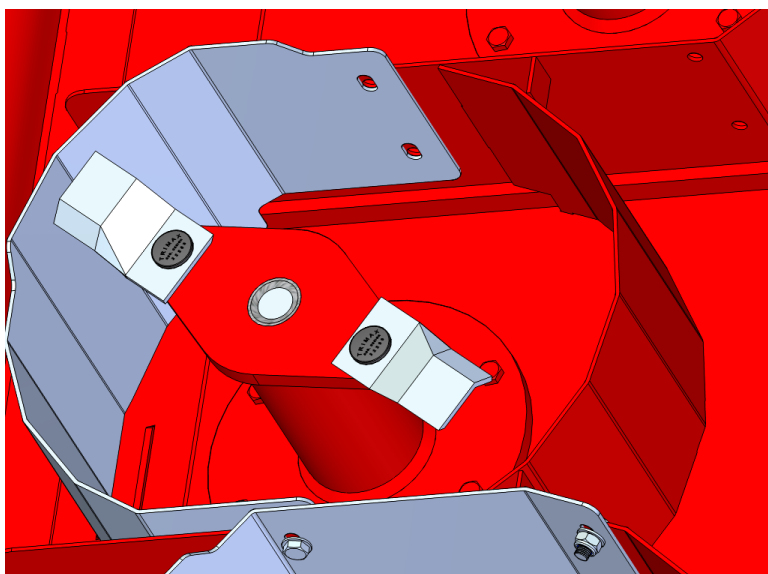


The holes shown can be drilled with the baffle in place if desired.

Centre punch the marked holes and drill the four holes to 11mm (7/16"). This may need to be done in stages – for example pilot drill to 6mm (1/4"), then finish with 11mm (7/16").

Deburr the holes to remove sharp edges.

Refit the bottom Baffle if it was removed for drilling.



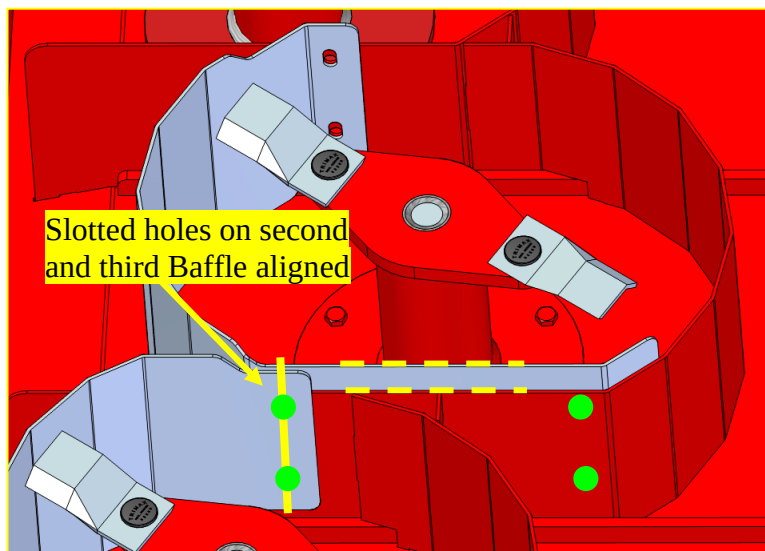
Offer up the next Baffle.

Use the M10 Bolts, Flat Washers, and Nyloc Nuts to secure the Baffles to the Mower Deck. This will align the Baffle for drilling the next mounting holes.



Note:

Do not drill the holes yet! Follow the next step to align the third Mulching Baffle.



Offer up the third Mulching Baffle as shown.

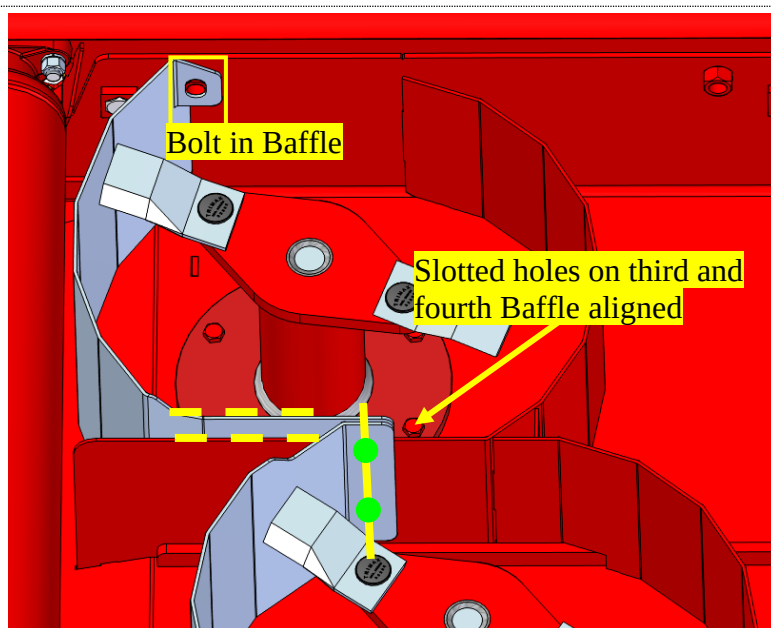
Align the mounting holes on the two Mulching Baffles as shown in **YELLOW**.

Clamp the two Baffles in place and **mark** all the holes available on each Baffle. The holes are shown in **GREEN**. The mulching baffles should be parallel with the original baffles – see dashed yellow lines.



Note:

Do not drill the holes yet! Follow the next step to align the fourth Mulching Baffle.

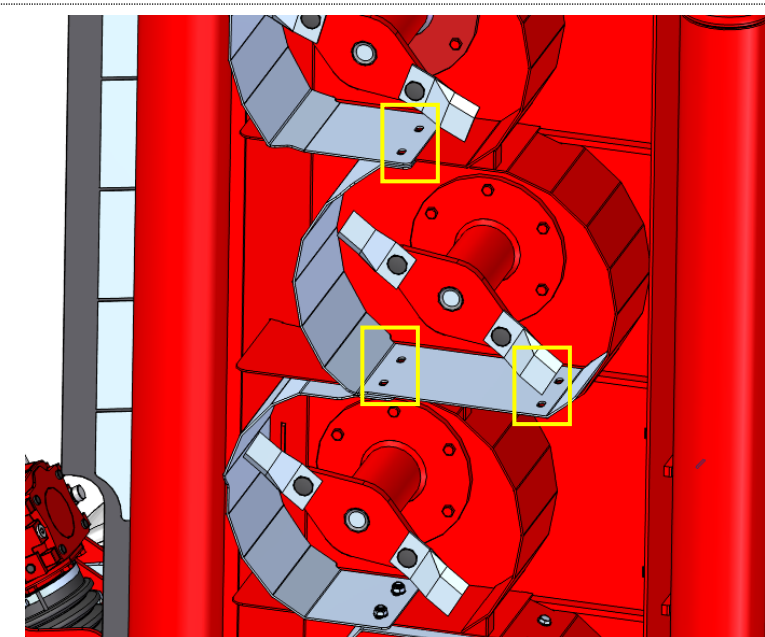


Offer up the fourth Mulching Baffle as shown. Bolt in using the M16 Bolt, Flat Washer and Spring Washer provided.

Align the mounting holes on the two Mulching Baffles as shown in **YELLOW**.

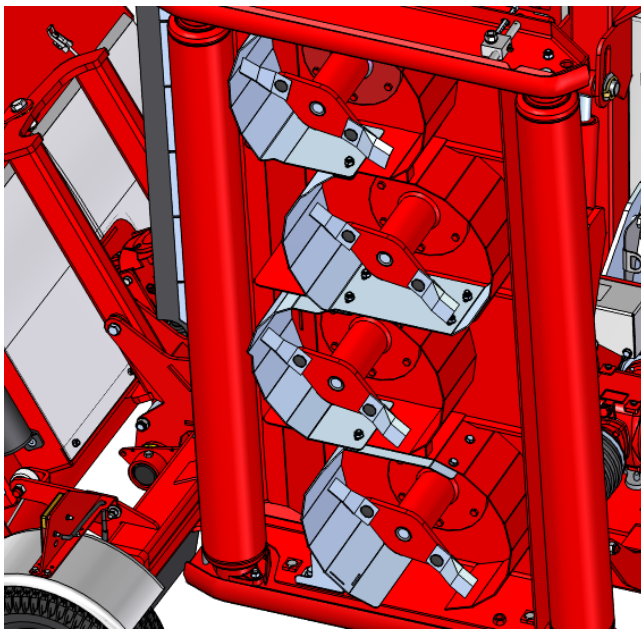
The mulching baffles should be parallel with the original baffles – see dashed yellow lines.

Clamp the two Baffles in place and **mark** all the holes available on each Baffle. The holes are shown in **GREEN**.



Drill all the remaining mounting holes as shown in the inset image.

Drill the mounting holes to 11mm (7/16") diameter. This may need to be done in stages.

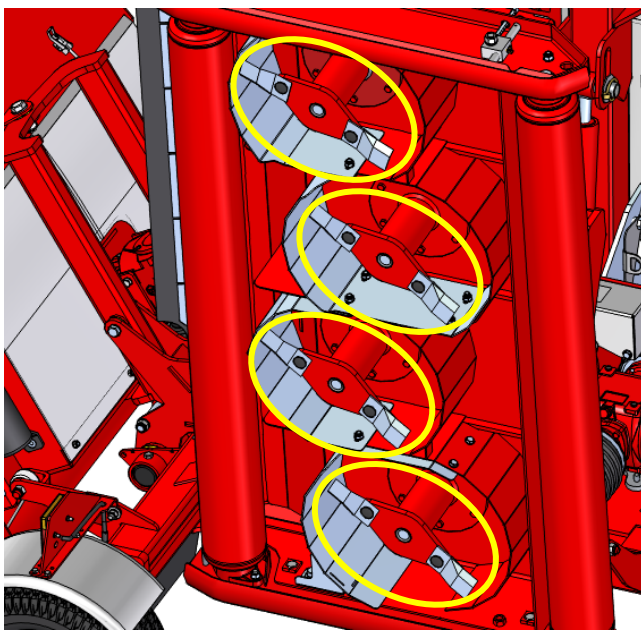


Once all mounting holes are drilled for the first Deck, secure the Baffles in place using the M10 Bolts, Flat Washers, and Nyloc Nuts provided.

Use the same procedure as above to drill the holes for the remaining Decks and mount the Mulching Baffles.

All slotted holes on the Mulching Baffles should have a corresponding mounting hole.

Refer to pages 3 and 4 for mulching Baffle part numbers.



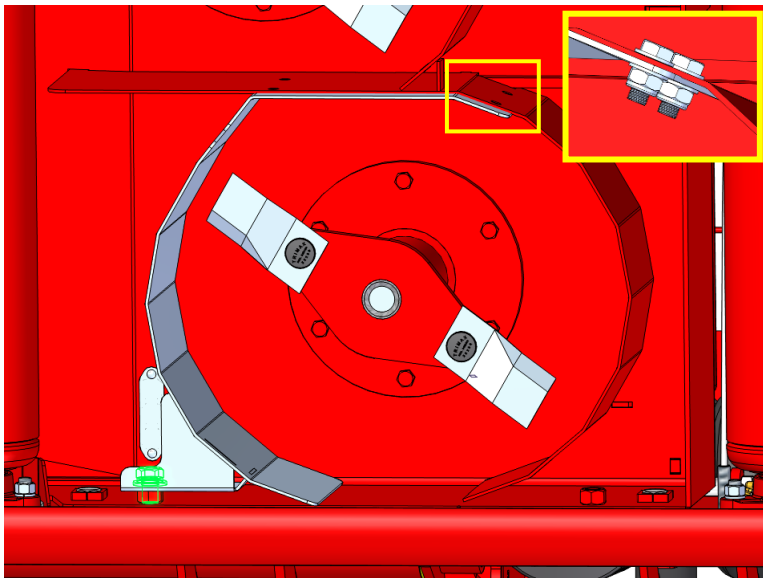
Remove all clamps and ensure that the blades can spin freely as shown in **YELLOW**.

If the blades contact the Mulching Baffles, adjust the positions of the Baffles until the blades can spin freely.

Once the blades clear the Baffles, fully tighten all the fasteners.

The following steps assume no mounting holes need to be drilled as they were already in place at the time of manufacture.

These mounting holes are scheduled for introduction on Snake S2 manufactured after July 2020.



Offer up the first Baffle Weldment (417-001-427 or ID number 3) to the lowest spindle to the ground on the Right-Hand Deck. This part is common to all Snake Decks.

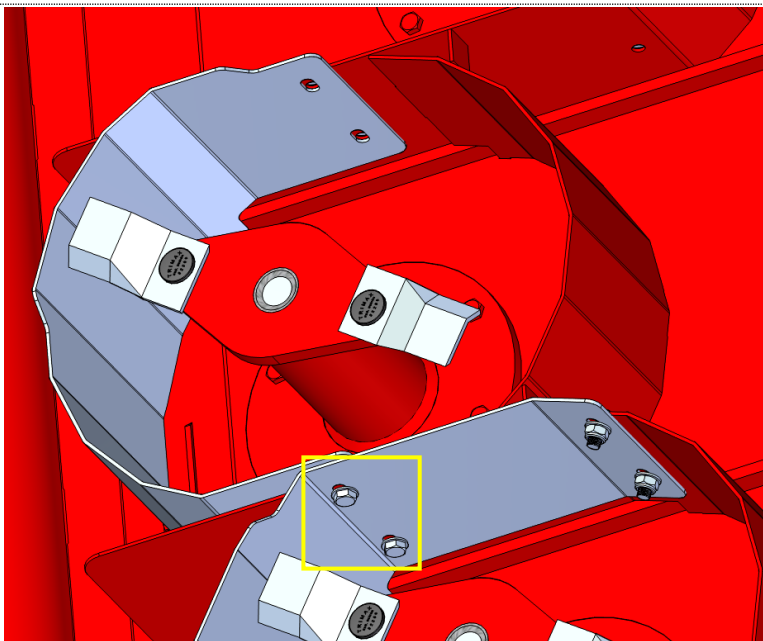
Fit:

1x M16 Heavy Flat Washer
1x M16 Spring Washer
1x M16x25 bolt
as shown in **GREEN**.

Fit:

2x M10x25 Bolts
2x M10 Flat Washers
2x M10 Nyloc Nuts
as shown in **YELLOW**.

Finger tight only at this stage.



Offer up the second Mulch Baffle to the next Spindle as shown.

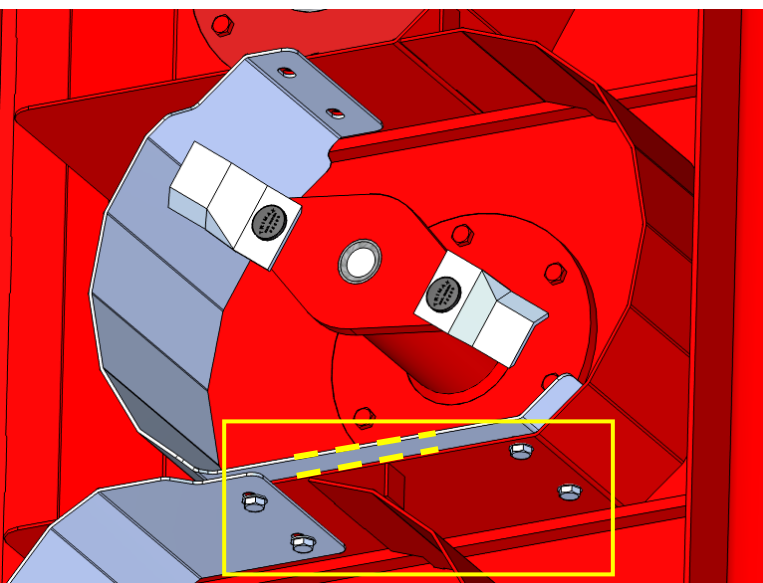
For Snake 320 refer to page 3 for the part number as Snake 320 and 400 use different parts for the side decks.

Fit:

2x M10x25 Bolts
2x M10 Flat Washers
2x M10 Nyloc Nuts
as shown in **YELLOW**.

Finger tight only at this stage.

Snake 400 shown.



Offer up the third Mulch Baffle to the next Spindle as shown.

For Snake 320 refer to page 3 for the part number as Snake 320 and 400 may use different parts.

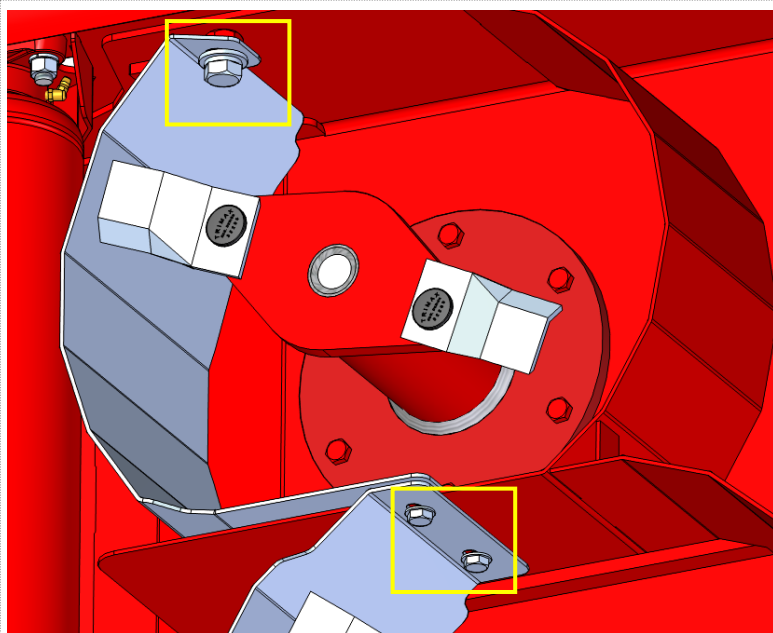
Fit:

2x Bolts M10x25
2x Flat Washers M10
2x Nyloc Nuts M10
as shown in **YELLOW**.

The mulching baffles should be parallel with the original baffles – see dashed yellow lines.

Finger tight only at this stage.

Snake 400 shown.



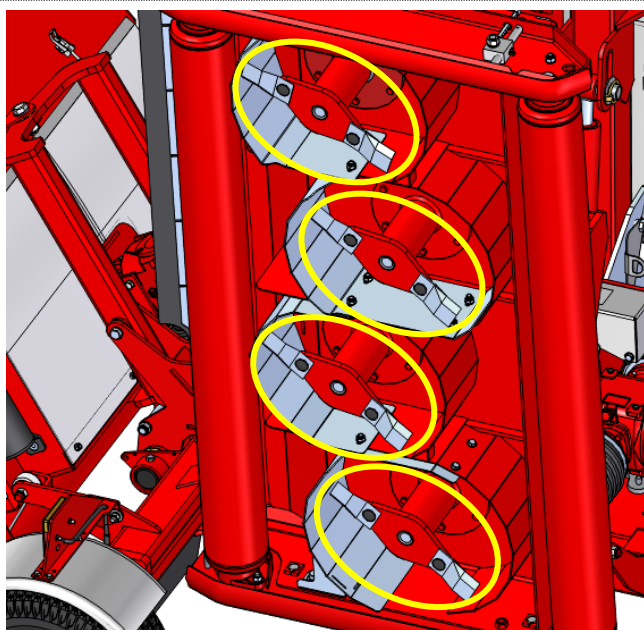
Offer up the fourth Mulch Baffle to the next Spindle as shown.

For Snake 320 refer to page 3 for the part number as Snake 320 and 400 may use different parts.

Fit:

1x Heavy Flat Washer M16
1x Spring Washer M16
1x Bolt M16x25
2x Bolts M10x25
2x Flat Washers M10
2x Nyloc Nuts M10
as shown in **YELLOW**

Snake 400 shown.

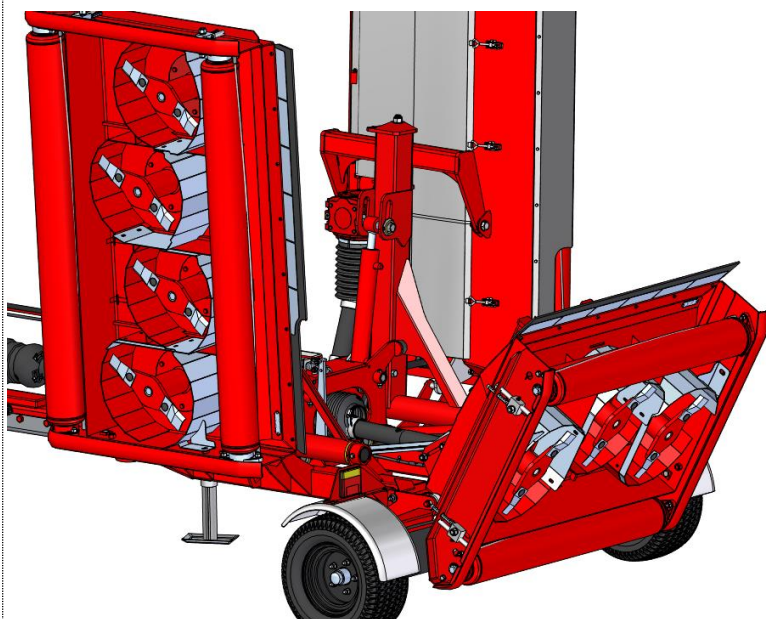


Spin the blades by hand with the Lazerblades extended as far as possible as shown.

The blades should clear the Mulching Baffle by 5mm (3/16").

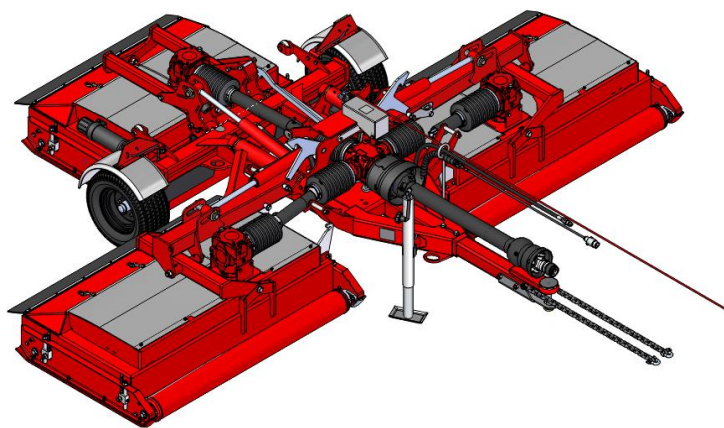
If they do not have enough clearance then adjust the offset of the Mulching Baffles. The Mulching Baffles have slotted holes for this purpose.

Fully tighten all the fasteners.



Repeat the process for the remaining two decks until all the baffles are fitted to each deck and the Blades can spin freely.

Snake 400 Left and Rear Decks shown.



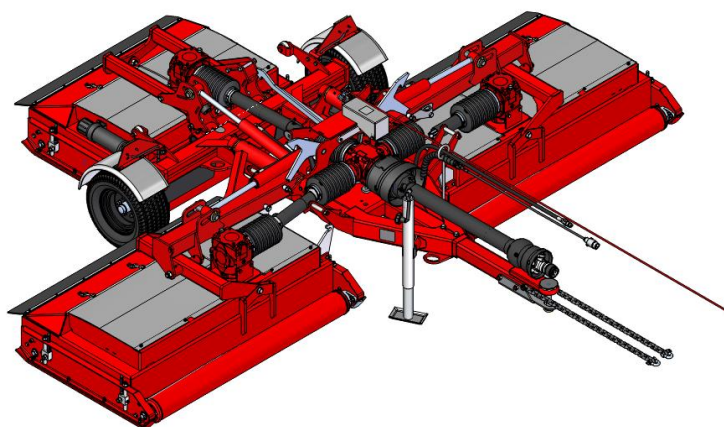
Finally, disengage the Transport Locks and lower all 3 Decks to the ground. Ensure that the Rollers contact the ground and the Mulching Baffles do not.



IMPORTANT:

If the Mulching Baffles contact the ground first, they will cause damage when mowing. This needs to be rectified.

Ensure the baffles are fitted correctly, and, if required, raise the cut height.



Finally, clear the area of bystanders and engage the PTO to ensure that the Blades run smoothly with the Mulching Baffles fitted.

This process is now complete.

