



AGMASTER

HARRINGTON® NO-TILL

1800 NOTILL

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ADJUSTA-POINT
Our longer-wearing height adjustable point. See pages 5-16

2021 CATALOGUE

Effective 1st January 2021

- NO-TILL SEEDING KITS
- PRESSWHEELS
- HARROWS



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2021 CATALOGUE

**SEEDING KITS
HARROWS
PRESSWHEELS
MAINTENANCE TIPS
ASSEMBLY INSTRUCTIONS**

***Disclaimer:** Agmaster strongly recommends that you consult your agronomist to determine the suitability of Agmaster products in your seeding program. Agmaster gives absolutely no guarantee as to the suitability or performance of its products. Furthermore, Agmaster will not accept liability for any loss or damage caused by, or as a consequence of, the use of its products.*

E&OE

**Products and Prices are subject to change without notice
Check our website for the latest information on products and prices**

Issued: January 2021

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Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

www.agmaster.com.au

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QUICK REFERENCE GUIDE

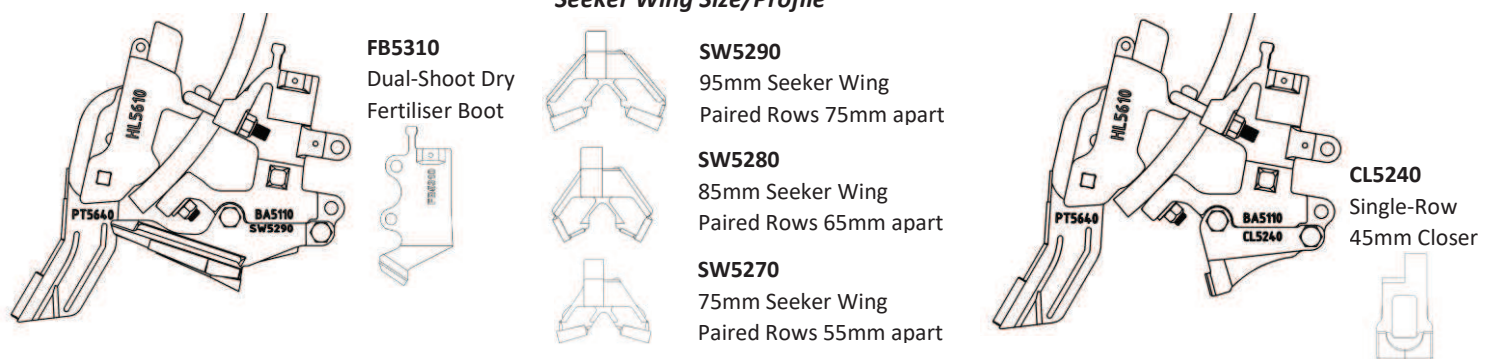
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Looking for a specific part number? Use this!

NT19 MULTI-BOOT SEEDING KITS FOR DOUBLE BOLT FLAT-ON TYNES

For double bolt, C-shank tynes only. The system is modular with option of Paired Row Seeker Wings or Single Row 45mm closer available. Optional dry fertiliser boot available as well as provision for liquid behind point or with seed.



Multi Boot Full Seeding Assembly with Adjusta-Point & Paired Row Seeker Wing

Multi Boot Full Seeding Assembly with Adjusta-Point & Single Row 45mm Closer

Kits listed below include 14mm Standard Lo-Throw Adjusta-Point, Point Holder, 95mm Seeker Wing, Boot Adaptor and all bolts & fasteners required for assembly

		<u>Prices</u>	
		Exc	Inc
PMB64611129	Multi Boot Kit; 14mm Adjusta-Point, Seeker Wing 95mm, ½" x 1 ¾" spacing	\$289.00	\$317.90
Suits Morris 400lb, Flexicoil 350lb (holes must be drilled out to ½" if still 7/16"), Bourgault, Ezee-on, Horwood Bagshaw, Shearer Universal & more			
PMB64611329	Multi Boot Kit; 14mm Adjusta-Point, Seeker Wing 95mm, ½" x 2 ¼" spacing	\$289.00	\$317.90
Suits Flexicoil 550lb/650lb, Morris 650lb, John Deere 1810-1830 & more			
PMB64611429	Multi Boot Kit; 14mm Adjusta-Point, Seeker Wing 95mm, <u>Edge-On</u> Tynes	\$289.00	\$317.90
Suits <u>Edge-On</u> tynes such as Horwood Bagshaw Scari Bar & Gason Scari Till			

POINT OPTIONS FOR NT19 MULTI BOOT:

NT19 Multi-Boot features our height-adjustable Adjusta-Points. The points come standard as 14mm with the "Lo-Thro" profile but there is now also a straight design with both standard & liquid options.

The kits listed above and on page 6 include a Standard 14mm Lo-Thro Adjusta-Point (PT5640).

Please note the corresponding kit price differences for each point option. The liquid point kits also include stainless steel casing & M6 bolt for directing the liquid into the back of the point.

PT5640	PT5650	PT5660	PT5670
Adjusta-Point 14mm Lo-Throw Standard (64)	Adjusta-Point 14mm Lo-Throw Liquid (65)	Adjusta-Point 14mm Straight Standard (66)	Adjusta-Point 14mm Straight Liquid (66)
Prices listed above	Plus \$31+gst	No price difference	Plus \$31+gst

To change to an alternative point option, change the first two (2) digits of the **kit part numbers** from "64" to the corresponding number in the table. E.g. **65** for the PT5650.

Examples:

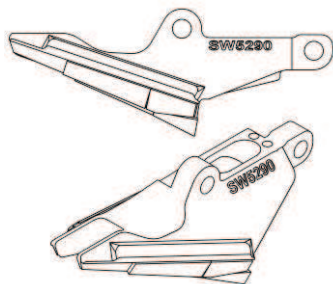
		<u>Prices</u>	
		Exc	Inc
A Flexicoil 550lb Multi Boot Seeker Kit with PT5650 will be:	PMB65611329	\$320.00	\$352.00
A Bourgault 45mm Closer Kit with PT5660 will be:	PMB66611124	\$201.00	\$221.10

For replacement parts for these kits please refer pages 8 - 9

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
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CLOSING TOOL OPTIONS FOR NT19 MULTI BOOT

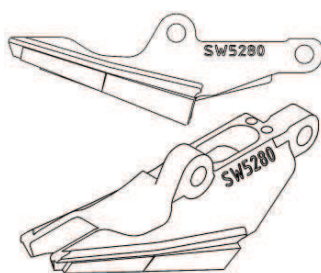
SW5290



Paired-Row
95mm Seeker Wing
~75mm rows
(29)

Prices listed on P3

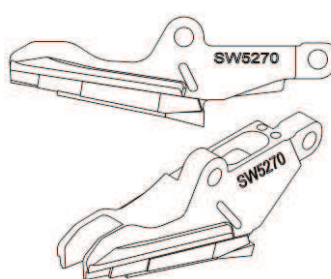
SW5280



Paired-Row
85mm Seeker Wing
~65mm rows
(28)

No price difference

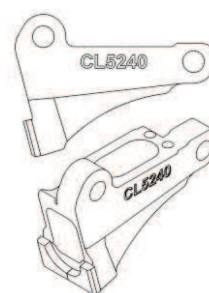
SW5270



Paired-Row
75mm Seeker Wing
~55mm rows
(27)

Less \$5+gst

CL5240



Single-Row
45mm Closer
(24)

Less \$88+gst

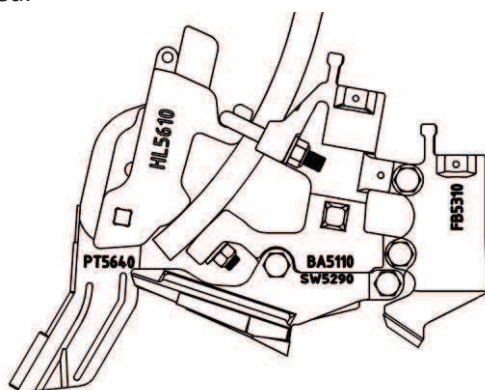
The kits listed on page 5 include a 95mm Paired-Row Seeker wing (SW5290). To change to an alternative closer option, change the last two (2) digits of the **part numbers** on page 5 from "29" to the corresponding number in the table above. E.g. **28** for the SW5280. Please note the corresponding kit price differences for each closing tool option.

Examples:

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
A Horwood Bagshaw Edge-On Kit with 85mm Paired-Row Seeker Wing will be:	PMB64611428	\$289.00	\$317.90
A Flexicoil 550lb Kit with 75mm Paired-Row Seeker Wing will be:	PMB64611327	\$284.00	\$312.40
A Bourgault Kit with 45mm Single-Row Closer will be:	PMB64611124	\$201.00	\$221.10

DUAL SHOOT OPTION FOR NT19 MULTI-BOOT

The kits outlined on page 5 or above, are single shoot only. To convert the Paired-Row Seeker Wing Kits to dual shoot, a dry fertiliser boot (FB5310) is required.



To add the optional dry fertiliser boot (FB5310) to any Paired-Row Seeker Wing Kits, simply add **31** to end of part number. Price will be an extra \$42 +GST.

Examples:

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
A Shearer Dual-Shoot Kit with 85mm Paired-Row Seeker Wing will be:	PMB6461112831	\$331.00	\$364.10
A Flexicoil 550lb Dual-Shoot Kit with 75mm Paired-Row Seeker Wing will be:	PMB6461142731	\$326.00	\$358.60
A Bourgault Dual Shoot Kit with 95mm Paired-Row Seeker Wing will be:	PMB6461112931	\$331.00	\$364.10

Pictured above

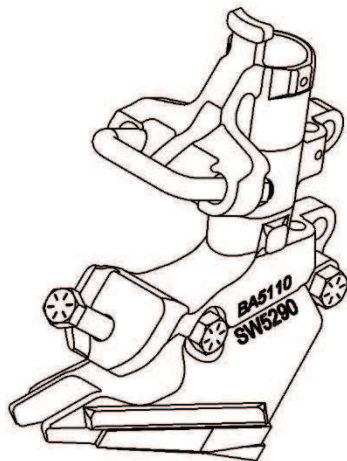
PLEASE NOTE: the Dry Fertiliser boot is designed for use with the Paired-Row Seeker Wings as it drops the fertiliser in between the two seed rows. It will be ineffective when used with CL5240 unless it is mounted in an offset position. Contact Agmaster for more information.

For trashguards for these kits please refer to page 17

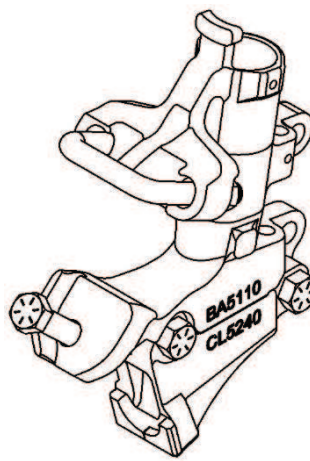
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MULTI-BOOT ONLY ASSEMBLIES (NO POINT & HOLDER)

These can be used with Agmaster's new NT19 Adjusta-Point & Holder System or NT11 Point and Holder



**Multi Boot Assembly
with Paired Row Seeker Wing**

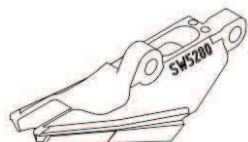


**Multi Boot Assembly
with Single Row 45mm Closer**

Kits listed below include 95mm Seeker Wing, boot adaptor and all bolts & fasteners required for assembly.

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
BMB1129	Multi Boot Assembly; Seeker Wing 95mm, ½" x 1 ¾" spacing Suits Morris 400lb, Flexicoil 350lb(holes must be drilled out to ½"), Bourgault, Ezee-on, Horwood Bagshaw, Shearer Universal & more	\$200.00	\$220.00
BMB1329	Multi Boot Assembly; Seeker Wing 95mm, ½" x 2 ¼" spacing Suits Flexicoil 550lb/650lb, Morris 650lb, John Deere 1810-1830 & more	\$200.00	\$220.00
BMB1429	Multi Boot Assembly; Seeker Wing 95mm, <u>Edge-On</u> Tynes Suits <u>Edge-On</u> tynes such as Horwood Bagshaw Scari Bar, Gason Scari/Hydra Till	\$200.00	\$220.00

Alternative Closer Options



85mm Seeker Wing

To change from 95mm Seeker Wing to 85mm Seeker Wing simply change the last digit in part number to 8. Price will be the same. e.g. **BMB1128**

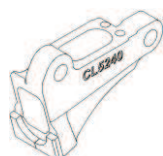
\$200.00 \$220.00



75mm Seeker Wing

To change from 95mm Seeker Wing to 75mm Seeker Wing simply change the last digit in part number to 7. Price will be less \$5 ex GST. e.g. **BMB1127**

\$195.00 \$214.50

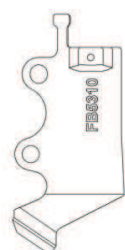


45mm Single Row Closer

To change from 95mm Seeker Wing to 45mm Closer simply change last digit in part number to a 4. Price will be less \$88 ex GST. e.g. **BMB1124**

\$112.00 \$123.20

Dual Shoot Fertiliser Boot



To add optional dry fertiliser boot (FB5310) to any Paired-Row Seeker Wing Boot Assembly simply add **31** to end of part number. Price will be an extra \$42 ex GST. e.g:

BMB112931

\$242.00 \$266.20

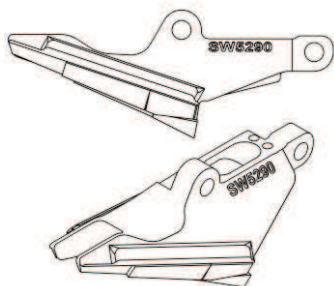
PLEASE NOTE: the Dry Fertiliser boot is only designed for use with the Seeker Wings as it drops the fertiliser in between the two seed rows. It will be ineffective when used with CL5240 unless it is mounted in an offset position. Contact Agmaster for more information.

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NT19 MULTI-BOOT REPLACEMENT PARTS

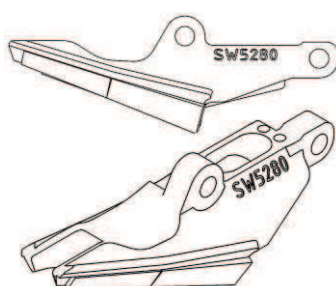
Closing Tools for Multi-Boot

SW5290



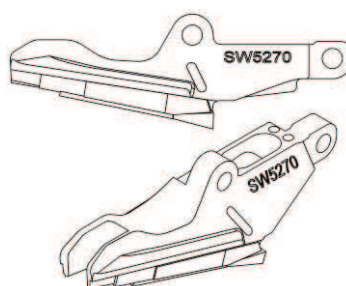
Paired-Row
95mm Seeker Wing
~75mm rows

SW5280



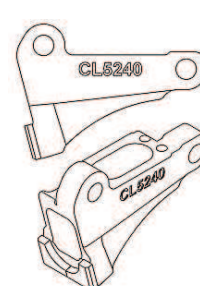
Paired-Row
85mm Seeker Wing
~65mm rows

SW5270



Paired-Row
75mm Seeker Wing
~55mm rows

CL5240

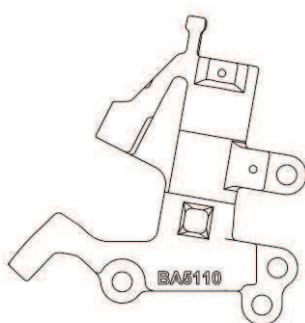


Single-Row
45mm Closer

			<u>Prices</u>	
			<i>Exc</i>	<i>Inc</i>
SW5290	*	95mm Seeker Wing for Multi Boot; paired rows 75mm apart	\$130.00	\$143.00
SW5280	*	85mm Seeker Wing for Multi Boot; paired rows 65mm apart	\$130.00	\$143.00
SW5270	*	75mm Seeker Wing for Multi Boot; paired rows 55mm apart	\$125.00	\$137.50
CL5240	*	45mm Closer for Multi Boot; single row	\$ 42.00	\$ 46.20

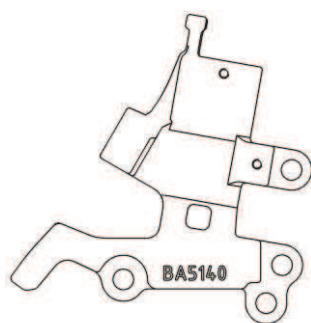
Boot Adaptors & Other Parts

BA5110



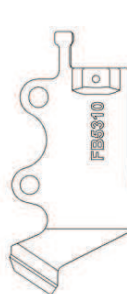
Boot Adaptor
Flat 50mm Tynes

BA5140



Boot Adaptor
Edge-On 30mm Tynes

FB5310



Dual Shoot
Dry Fertiliser Boot

LF5420



Liquid Fertiliser
Tube

SL5520



Wetting Agent
Tube

Boot Adaptors & Other Parts

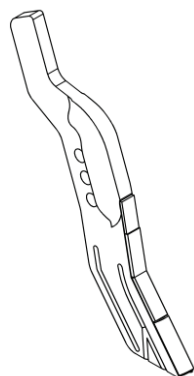
			<u>Prices</u>	
			<i>Exc</i>	<i>Inc</i>
BA5110	**	Boot Adaptor C-Shank; mount for above closing tool options and fertiliser boot on standard curved 50mm c-shank tynes	\$ 65.00	\$ 71.50
BA5140	**	Boot Adaptor Edge-On; mount for above closing tool options and fertiliser boot on 30mm edge-on tynes	\$ 65.00	\$ 71.50
FB5310	*	Optional Dry Fertiliser Boot; drops fertiliser in between paired row when used with Paired-Row Wings.	\$ 42.00	\$ 46.20
LF5420		Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point	\$ 10.00	\$ 11.00
SL5520	***	Liquid Fertiliser Tube; stainless steel tube for applying liquid with seed. <i>2 required per boot/closer</i>	\$ 5.00ea	\$ 5.50ea

*	Requires <u>2</u> x BNW122	½" x 2" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea
**	Requires <u>1</u> x UBN5611 or UBN2001	M12 U-bolt w Nuts & Washers	\$ 5.00ea	\$5.50ea
U-Bolt required depends on point and holder being used. <u>UBN5611</u> for NT19 Adjusta-Point and <u>UBN2001</u> for NT11 Also requires 1x bolt to go through tyne; size varies between machines. Call Agmaster if assistance required				
***	Requires <u>1</u> x BO6M10S	M6 x 10 Bolt (1 required per tube)	\$ 0.50ea	\$0.55ea

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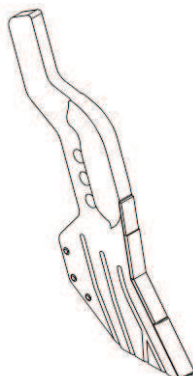
Points (Cast Mild Steel)

PT5640



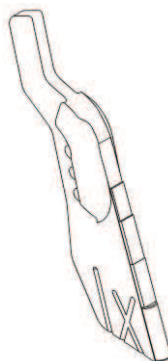
Adjusta-Point
14mm Lo-Throw
Standard

PT5650



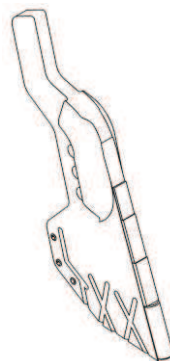
Adjusta-Point
14mm Lo-Throw
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670

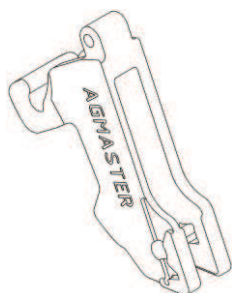


Adjusta-Point
14mm Straight
Liquid

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$69.00	\$75.90
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$90.00	\$99.00
PT5660	14mm Adjusta-Point Straight Standard	\$69.00	\$75.90
PT5660	14mm Liquid Adjusta-Point Straight Liquid	\$90.00	\$99.00

Holders & Fasteners

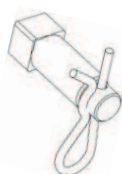
HL5610



Adjusta-Point
Holder
2021

Uses pin PIR41

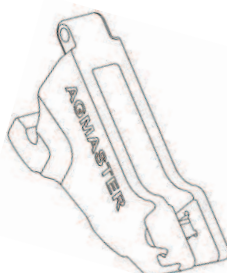
PIR41



12mm Square Head
Pin & R Clip

For holder HL5610

HL5600



Adjusta-Point
Holder
2018-2020

Uses Pin PIR45

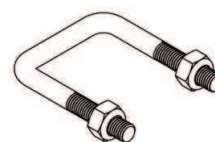
PIR45



12mm Pin & R Clip
for Adjusta-Point

For holder HL5600

UBN5611



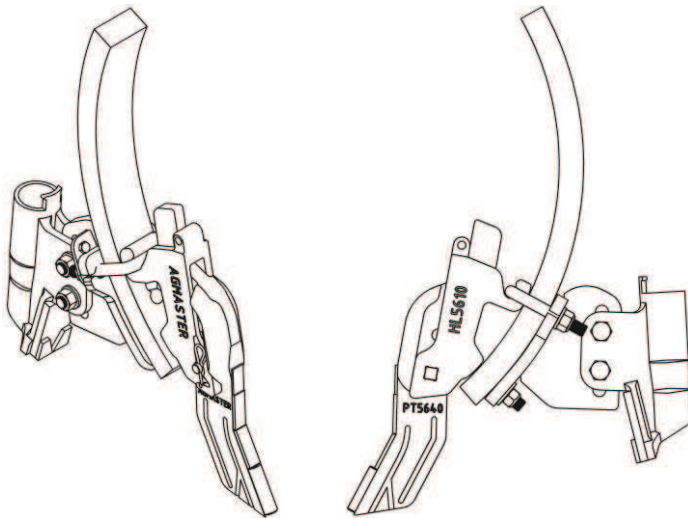
U-bolt to secure
point holder &
boot adaptor

HL5610	Adjusta-Point Holder 2021	\$20.00	\$22.00
PIR41	12mm Pin 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$20.00	\$22.00
PIR45	12mm Pin 45mm & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
UBN5611	M12 U-bolt 80 x 52 w Nuts & Washers – for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-bolt 90 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Seeker Boot	\$ 5.00	\$ 5.50
UBN5613	M12 U-bolt Bent 80 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Rigid Boot	\$ 5.00	\$ 5.50

* Requires 1x UB5620 - Backing Plate for Adjusta-Point to NT11 Seeker Boot **\$ 3.00** **\$ 3.30**

NT19 ADJUSTA-POINT & RIGID BOOT KITS

NT19 Rigid Boot Kits suit both flat and edge-on double bolt tynes and are a progression of our popular NT11 system. They include our new height adjustable Adjusta-Point and has an improved bracket which has a more accessible bolting arrangement at the back of the tyne. Adjusta-Points are 14mm with the "Lo-Thro" profile that was introduced to NT11 points back in 2016. Included in the kit are point, point holder, retaining pin, bracket, boot, u-bolt, bolts and nuts. These kits are standard with 14mm Adjusta-Point and 50mm Single System Boot. Other options are available for a liquid point or different boot styles.



Prices NT19 Rigid Point & Boot Kits

	Exc	Incl
14mm Standard Kit	\$191.00	\$210.10
With PT5640 or PT5660		

14mm Liquid Kit	\$212.00	\$233.20
With PT5650 or PT5670		

Liquid Kit includes Liquid Point but no additional liquid parts. **See page 13** for these kits.

PHB64618155

Adjusta-Point 14mm Standard Lo-Thro, 50mm Boot, ½" x 1 ¼" spacing

Suits Morris 400lb, , Bourgault, Ezee-on, Horwood Bagshaw, Flexicoil Edge-On, Delta, Shearer Universal & more.

The following machines are also compatible if tyne bolt holes are drilled out to ½" from 7/16": Flexicoil 350lb, Gason 5100 & AFM

PHB64618355

Adjusta-Point 14mm Standard Lo-Thro, 50mm Boot, ½" x 2 ¼" spacing

Suits Flexicoil 550lb/650lb, Morris 650lb, John Deere 1810-1830, Gason Scari-Till & more

PHB64618455

Adjusta-Point 14mm Standard Lo-Thro, 50mm Boot, Edge-On Tynes

Suits Edge-On tynes such as Horwood Bagshaw Scari Bar, Gason Scari Till

For tynes not listed above contact Agmaster

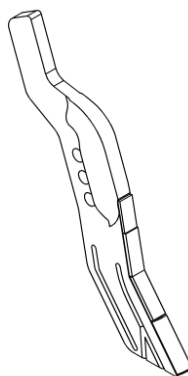
POINT OPTIONS FOR NT19 RIGID BOOT:

NT19 Rigid Boot features our height-adjustable Adjusta-Points. The points come standard as 14mm with the "Lo-Thro" profile but there is now also a straight design with both standard & liquid options.

The kits listed above include a Standard 14mm Lo-Throw Adjusta-Point (PT5640).

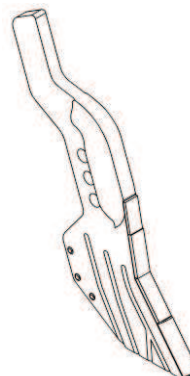
To change to an alternative point option, change the first two (2) digits of the **kit part numbers** from "64" to the corresponding number in the table. E.g. 65 for the PT5650.

PT5640



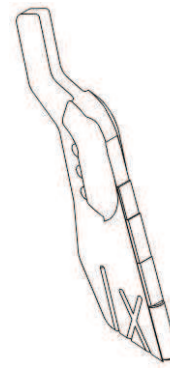
Adjusta-Point
14mm Lo-Throw
Standard
(64)

PT5650



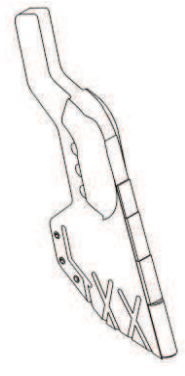
Adjusta-Point
14mm Lo-Throw
Liquid
(65)

PT5660



Adjusta-Point
14mm Straight
Standard
(66)

PT5670



Adjusta-Point
14mm Straight
Liquid
(66)

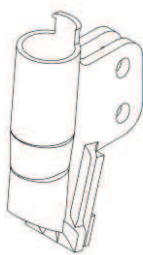
PLEASE NOTE: Liquid point kits do not include parts for directing liquid to back of point. **See page 13 for liquid kits.**

For replacement parts for these kits please refer to pages 11 - 12

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

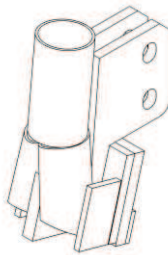
NT19 RIGID BOOT OPTIONS:

BT2550



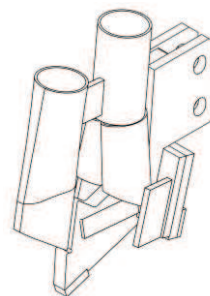
Standard
Single Shoot Boot
40 or 50mm Closer

BT2370



"Y" Tube
Single Shoot Boot
65mm Closer

BT2390



Dual Shoot Boot
65mm Closer

Pipe size on all boots is 38.4mm inside diameter

To select a different Boot option for a **Rigid Kit**, change the last two digits of the **part number** as follows:

			<u>Price Difference exc GST</u>
40mm Closer Single Shoot Boot	:	54	No difference
50mm Closer Single Shoot Boot	:	55	No difference
65mm Closer 'Y' Tube Single Shoot Boot	:	37	\$40 extra
65mm Closer Dual Shoot Boot	:	39	\$85 extra

Example: A Flexicoil 550lb NT19 Kit with 65mm Split System Boot will be a **PHB648339 - \$276exc GST**

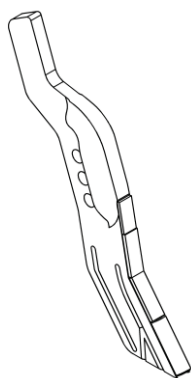
Other Relative Page References for NT19 Rigid Boot kits:

<u>Page 11</u>	Replacement points
<u>Page 12</u>	Replacement point holders, boots, brackets & other parts
<u>Page 13</u>	Liquid Kits
<u>Page 17</u>	Trashguards

NT19 RIGID BOOT REPLACEMENT PARTS

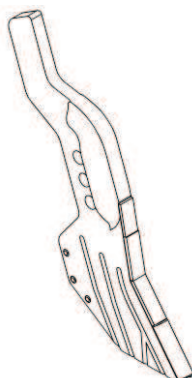
Points – Cast Mild Steel

PT5640



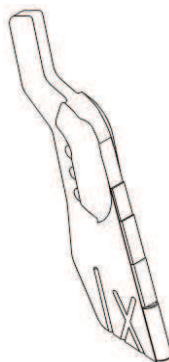
Adjusta-Point
14mm Lo-Throw
Standard

PT5650



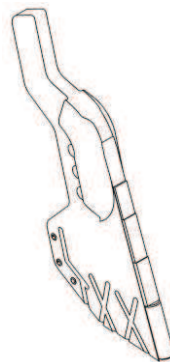
Adjusta-Point
14mm Lo-Throw
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670



Adjusta-Point
14mm Straight
Liquid

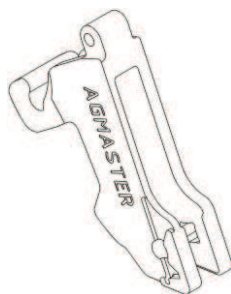
		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$69.00	\$75.90
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$90.00	\$99.00
PT5660	14mm Adjusta-Point Straight Standard	\$69.00	\$75.90
PT5660	14mm Liquid Adjusta-Point Straight Liquid	\$90.00	\$99.00

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

www.agmaster.com.au

Holders & Fasteners

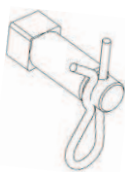
HL5610



Adjusta-Point
Holder
2021

Uses pin PIR41

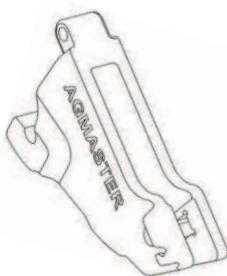
PIR41



12mm Square Head
Pin & R Clip

For holder HL5610

HL5600



Adjusta-Point
Holder
2018-2020

Uses Pin PIR45

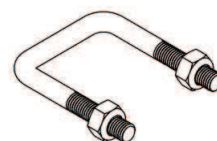
PIR45



12mm Pin & R Clip
for Adjusta-Point

For holder HL5600

UBN5611

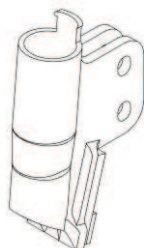


U-bolt to secure
point holder &
boot adaptor

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
HL5610	Adjusta-Point Holder 2021	\$20.00	\$22.00
PIR41	12mm Pin 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$20.00	\$22.00
PIR45	12mm Pin 45mm & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
UBN5611	M12 U-bolt 80 x 52 w Nuts & Washers – for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-bolt 90 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Seeker Boot	\$ 5.00	\$ 5.50
UBN5613	M12 U-bolt Bent 80 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Rigid Boot	\$ 5.00	\$ 5.50
* Requires <u>1x</u> UB5620 - Backing Plate for Adjusta-Point to NT11 Seeker Boot		\$ 3.00	\$ 3.30

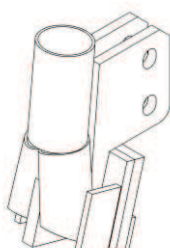
Boots & Brackets

BT2550



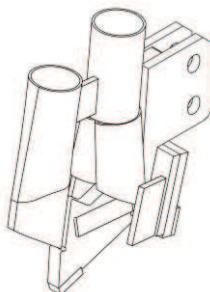
Standard
Single Shoot Boot
40 or 50mm Closer

BT2370



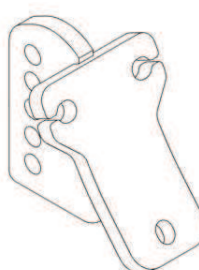
"Y" Tube
Single Shoot Boot
65mm Closer

BT2390



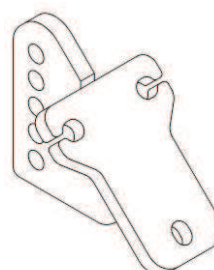
Dual Shoot Boot
65mm Closer

BR5810



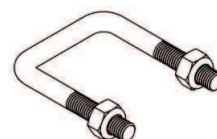
NT19 C-Shank
Bracket for Rigid
Boots

BR5840



NT19 Edge-On
Bracket for Rigid
Boots

UBN5611



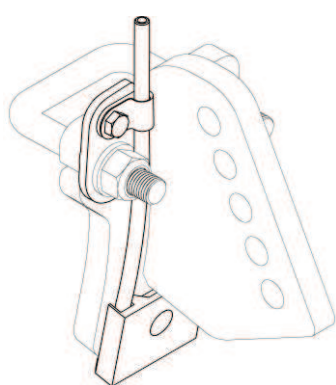
U-bolt for point
holder & bracket

		<u>Prices</u>	
Part No		<i>Exc</i>	<i>Inc</i>
BR5810	NT19 C-Shank Rigid Boot Bracket	\$ 42.00	\$46.20
BR5840	NT19 Edge-On Rigid Boot Bracket	\$ 42.00	\$46.20
BT2540	40mm Closer Single System recommended for use with 12mm Point	\$ 55.00	\$ 60.50
BT2550	50mm Closer Single System recommended for use with 16mm Point	\$ 55.00	\$ 60.50
BT2370	65mm Closer with 'Y' Tube	\$ 95.00	\$104.50
BT2380	65mm Closer with Side-by-Side Tubes. <i>Obsolete when stock exhausted</i>	\$ 95.00	\$104.50
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube behind	\$140.00	\$154.00
BT2399	Split Fert Knife Weld-on	\$ 20.00	\$ 22.00
BT2398	Split Boot Side Pipe Protectors hardfaced.	per set \$ 10.00	\$ 11.00
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)	\$ 2.50	\$ 2.75

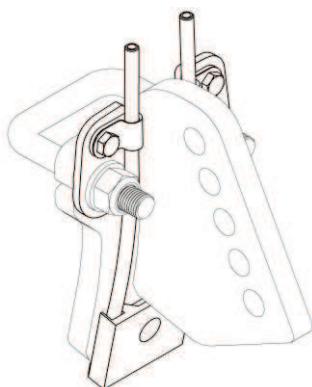
For replacement closer plates for these boots please refer to page 36

NT19 RIGID BOOT LIQUID KITS

Liquid Kits piggy back the bracket of the NT19 Rigid Boot & Bracket Kits.



Liquid Kit Single



Liquid Kit Double

	<u>Prices</u>	
	<i>Exc</i>	<i>Inc</i>
Liquid Kit – Single	\$24.00	\$26.40
Liquid Kit – Double	\$38.00	\$41.80

Part No

LFK51	NT19/NT11 Liquid Fertiliser Kit – <u>Single</u> to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit – <u>Double</u> to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit – <u>Single</u> to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser Kit – <u>Double</u> to take 4-6mm flexible tube with 10mm casing

PLEASE NOTE: Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexi-Boots in the past. **Contact Agmaster for more information if required.**

NT19/NT11 Liquid Kit Parts



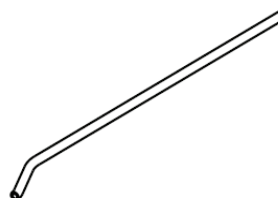
LF2510
LF2530



LF2520
LF2540



LF2550



LF2570
LF2580



PC6S
PC10S

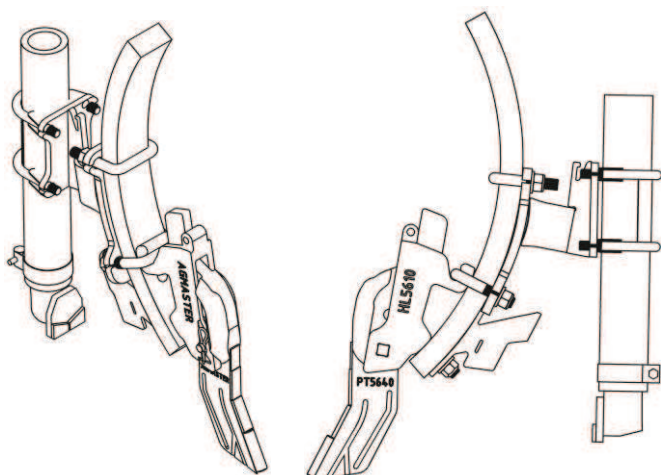
Part No

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
LF2510	Liquid Fertiliser Clamp Plate – Single – suit 3mm tube/6mm casing	\$13.00	\$14.30
LF2520	Liquid Fertiliser Clamp Plate – Double – suit 3mm tube/6mm casing	\$17.00	\$18.70
LF2530	Liquid Fertiliser Clamp Plate – Single – suit 4-6mm tube/10mm casing	\$13.00	\$14.30
LF2540	Liquid Fertiliser Clamp Plate – Double – suit 4-6mm tube/10mm casing	\$17.00	\$18.70
LF2550	Liquid Fertiliser 'P' Clamp Lug	\$ 4.00	\$ 4.40
LF2570	Liquid Fertiliser casing 6mm Shaped – to suit 3mm tube	\$ 5.00	\$ 5.50
LF2580	Liquid Fertiliser casing 10mm Shaped – to suit 4-6mm tube	\$ 5.00	\$ 5.50
PC6S	P Clamp 6mm Stainless Steel	\$ 2.00	\$ 2.20
PC10S	P Clamp 10mm Stainless Steel	\$ 2.00	\$ 2.20
BON6M16S	Bolt 6mm x 16mm Stainless Steel and Nylock Nut	\$ 0.60	\$ 0.66

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

NT19 ADJUSTA-POINT & FLEXI BOOT KITS

NT19 Flexi Boot Kits are a progression of our NT11 system. They include our new height adjustable Adjusta-Point and has an improved bracket at the back of the tyne. Adjusta-Points are 14mm with the "Lo-Thro" profile that was introduced to NT11 points back in 2016. Included in the kit are point, point holder, retaining pin, bracket, fert hose holder, flexible boot, u-bolts, bolts and nuts. Standard kits include a 14mm Standard Adjusta-Point and flexible rubber boot with 40mm closer plate. When dual shooting, the fertiliser is located behind the point, so it is banded deeper into the knife point slot.



Prices NT19 Flexi Point & Boot Kits

	<u>Prices</u>	
	<i>Exc</i>	<i>Inc</i>
Standard 14mm Kit	\$245.00	\$269.50
<i>With PT5640 or PT5660</i>		
14mm Liquid Kit	\$266.00	\$292.60
<i>With PT5650 or PT5670</i>		
<i>Liquid Kit includes Liquid Point but no additional liquid parts for directing liquid to back of point.</i>		

For tynes not listed below, contact Agmaster

- PHB649184** **Adjusta-Point 14mm Standard, NT19 Flexiboot 40mm Closer, ½" x 1¾" spacing**
Suits Morris 400lb, Flexicoil 350lb(holes must be drilled out to ½" if still 7/16"), Bourgault, Ezee-on, Horwood Bagshaw, Shearer Universal & more
- PHB649384** **Adjusta-Point 14mm Standard, NT19 Flexiboot 40mm Closer, ½" x 2 ¼" spacing**
Suits Flexicoil 550lb/650lb, Morris 650lb, John Deere 1810-1830 & more
- PHB649484** **Adjusta-Point 14mm Standard, NT19 Flexiboot 40mm Closer, Edge-On Tyne w ½" holes**
Suits Flexicoil Edge-On, Horwood Bagshaw Edge-On, Gason, Simplicity

POINT OPTIONS FOR NT19 FLEXI-BOOT:

NT19 Flexi-Boot features our height-adjustable Adjusta-Points. The points come standard as 14mm with the "Lo-Thro" profile but there is now also a straight design with both standard & liquid options.

The kits listed above include a Standard 14mm Lo-Throw Adjusta-Point (PT5640).

To change to an alternative point option, change the first two (2) digits of the **kit part numbers** from "64" to the corresponding number in the table. E.g. **65** for the PT5650.

PT5640	PT5650	PT5660	PT5670
Adjusta-Point 14mm Lo-Throw Standard (64)	Adjusta-Point 14mm Lo-Throw Liquid (65)	Adjusta-Point 14mm Straight Standard (66)	Adjusta-Point 14mm Straight Liquid (66)

PLEASE NOTE: Liquid point kits do not include parts for directing liquid to back of point. Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit in the past.
See page 13 for liquid kits and contact Agmaster for more information if required.

ALTERNATIVE CLOSER PLATE WIDTH

To select a 50mm closer plate on the Flexi Boot the last two (2) digits of the **part number** needs to be changed to **85**. 50mm Closers can be used in lighter soils for a wider spread

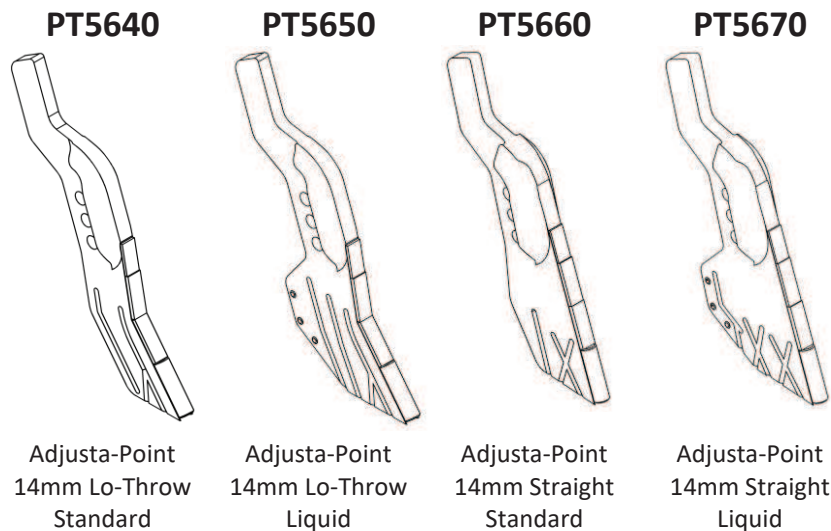
Example: An Edge On Tyne kit with Standard Adjusta-Point, 50mm Flexi Boot Closer will be a **PHB649485**

For replacement parts & trashguard for these kits please refer to pages 15 - 17

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

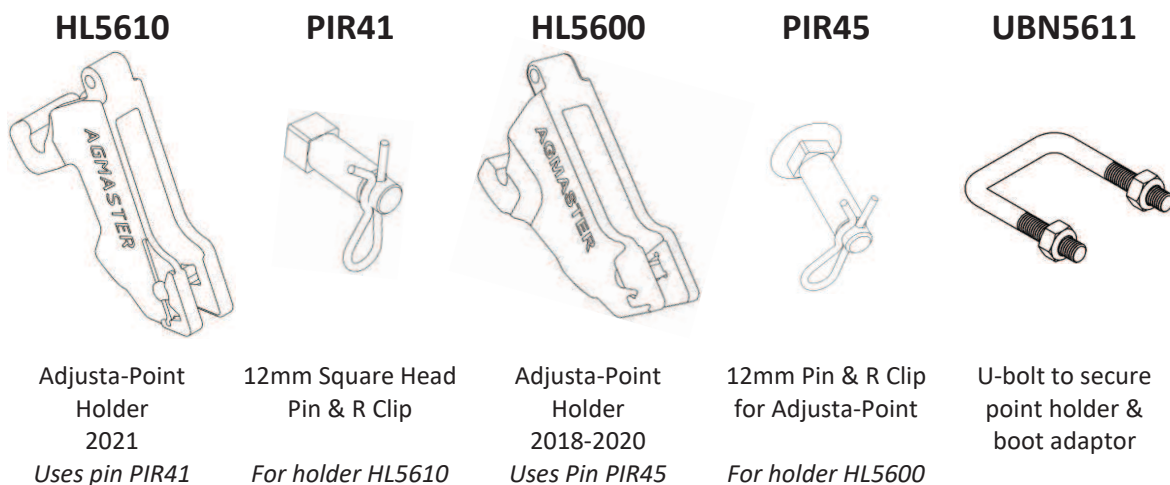
NT19 FLEXI BOOT REPLACEMENT PARTS

Points (Cast Mild Steel)



		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$69.00	\$75.90
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$90.00	\$99.00
PT5660	14mm Adjusta-Point Straight Standard	\$69.00	\$75.90
PT5660	14mm Liquid Adjusta-Point Straight Liquid	\$90.00	\$99.00

Holders & Fasteners



		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
HL5610	Adjusta-Point Holder 2021	\$20.00	\$22.00
PIR41	12mm Pin 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$20.00	\$22.00
PIR45	12mm Pin 45mm & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
UBN5611	M12 U-bolt 80 x 52 w Nuts & Washers – for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-bolt 90 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Seeker Boot	\$ 5.00	\$ 5.50
UBN5613	M12 U-bolt Bent 80 x 52 w Nuts & Washers – for Adjusta-Point to NT11 Rigid Boot	\$ 5.00	\$ 5.50

* Requires 1x UBS620 - Backing Plate for Adjusta-Point to NT11 Seeker Boot **\$ 3.00** **\$ 3.30**

Flexi Boots & Other Parts



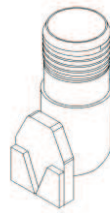
FB2840



FB2870



HC52T



FB2834
FB2835



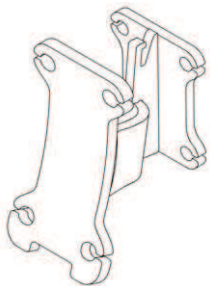
CL2844
CL2855



SP2880

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
FB2870	Flexi Boot hose 340mm long	\$30.00	\$33.00
HC52T	Hose Clamp	\$ 5.00	\$ 5.50
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$78.00	\$85.80
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$78.00	\$85.80
FB2834	Hose Insert with 40mm Closer	\$42.00	\$46.20
FB2835	Hose Insert with 50mm Closer	\$42.00	\$46.20
CL2844	Closer Plate, weld-on, 40mm wide	\$20.00	\$22.00
CL2845	Closer Plate, weld-on, 50mm wide	\$20.00	\$22.00
SP2880	Spring Inner 200 x 37	\$10.00	\$11.00

Brackets & Fasteners



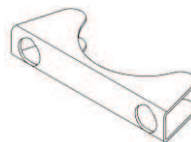
FB2910
FB2940



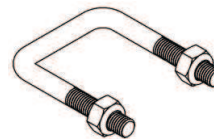
FB2980



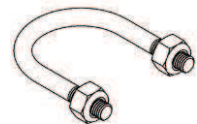
FB2810



FB2820



UBN2001
UBN2002



UBN2007

FB2910	*	Suits two bolt flat-on tynes	\$45.00	\$49.50
FB2940	**	Suits two bolt edge on tynes	\$45.00	\$49.50
FBH2980		Hose support bracket with hose clamp	\$15.00	\$16.50
FB2810		Support Saddle	\$ 5.00	\$ 5.50
FB2820		Grip Clamp	\$ 5.00	\$ 5.50
UBN2001		M12 U-bolt 65 x 52 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN2002		M12 U-bolt 90 x 30 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN2007		M10 U-Bolt w Nuts & Washers to clamp hose to bracket 2 required per hose	\$ 4.00	\$ 4.40

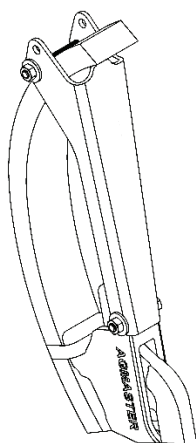
* Uses 1x UBN2001 & 1x UBN5611 (**page 15**)

** Uses 1x UBN2002 & 1x UBN5611 (**page 15**)

NT19 OPTIONAL EXTRAS

NT19 Trashguard Kits

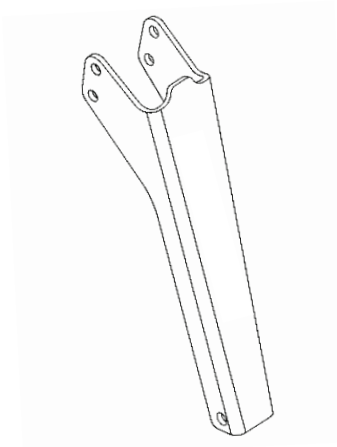
Will only fit up to NT19 series Adjusta-Point Holders



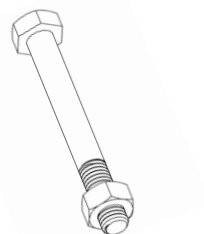
TGB5750

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
TGB5750	NT19 Adjusta-Point Trashguard with bolts– <u>Flat-on Tynes</u>	\$20.00	\$22.00
TGB5730	NT19 Adjusta-Point Trashguard with bolts– <u>Edge-on Tynes</u>	\$20.00	\$22.00

NT19 Trashguard Parts



**TG5750
TG5730**



BON8M65



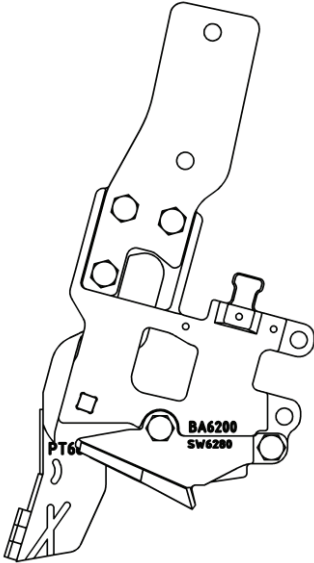
BON8M45

TG5750	*	NT19 Trashguard for flat-on tynes	\$19.00	\$20.90
TG5730	**	NT19 Trashguard for edge-on tynes	\$19.00	\$20.90
BON8M65		Bolt M8 x 65 with nut	\$ 1.00	\$ 1.10
BON8M45		Bolt M8 x 45 with nut	\$ 1.00	\$ 1.10
		*	Uses 1x BON8M65 & 1x BON8M45	
		**	Uses 2x BON8M45	

MULTI-BOOT MODULE 2021

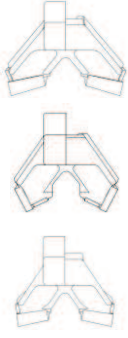
Multi-Boot Module is our current seeding system developed for the Morris Quantum, Contour 2 and Bourgault Paralink. These vary slightly to the 2019 & 2020 models.

Multi-Boot Module for Morris Quantum & Contour 2/3



FB5310
Dual Shoot Dry
Fertiliser Boot

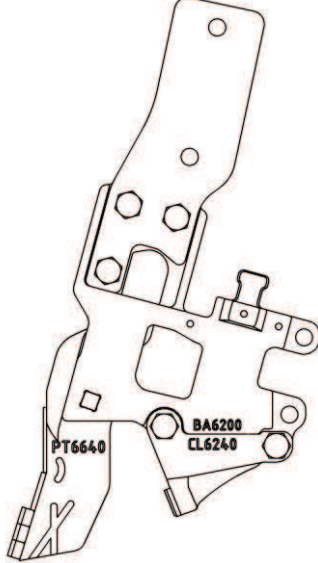
Seeker Wing Size/Profile



SW6290
95mm Seeker Wing
Paired Rows 75mm apart

SW6280
85mm Seeker Wing
Paired Rows 65mm apart

SW6270
75mm Seeker Wing
Paired Rows 55mm



CL6240
Single-Row
45mm Closer

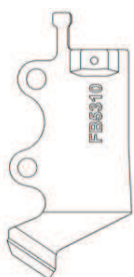
**Morris Quantum & Contour 2 Seeding Assembly
with Paired Row Seeker Wing**

**Morris Quantum & Contour 2 Seeding Assembly
with Single Row 45mm Closer**

Kits listed below include height-adjustable 14mm Lo-Thro style standard point, specified closing tool, leg/shank, boot adaptor and all bolts & fasteners required for assembly

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
<u>Paired Row Options:</u>			
PMM64182029	Multi-Boot Module Quantum & C2; 14mm Adjustable Point, 95mm Seeker Wing	\$329.00	\$361.90
PMM64182028	Multi-Boot Module Quantum & C2; 14mm Adjustable Point, 85mm Seeker Wing	\$329.00	\$361.90
PMM64182027	Multi-Boot Module Quantum & C2; 14mm Adjustable Point, 75mm Seeker Wing	\$324.00	\$356.40
<u>Single Row Closer Option:</u>			
PMM64182024	Multi-Boot Module Quantum & C2; 14mm Adjustable Point, 45mm Single Closer	\$241.00	\$265.10

Dual Shoot Fertiliser Boot

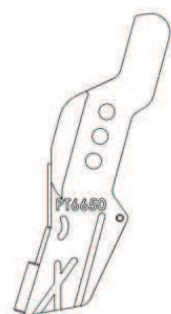


To add optional dry fertiliser boot (FB5310) to either Seeker Wing Kit simply add **31** to end of part number. Price will be an extra **\$42** ex GST. e.g:

PMM6418202931 **\$371.00 \$408.10**

PLEASE NOTE: the Dry Fertiliser boot is designed for use with the Seeker Wings as it drops the fertiliser in between the two seed rows. It will be ineffective when used with CL6240 unless it is mounted in an offset position. Contact Agmaster for more information.

Liquid Fertiliser Point



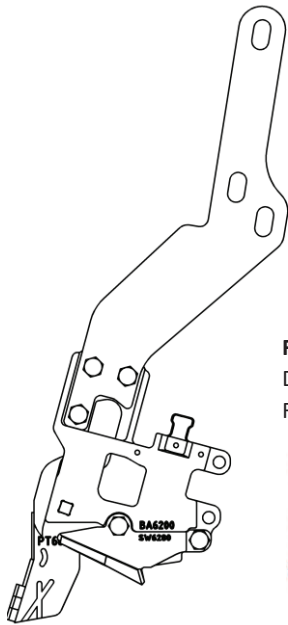
To substitute the standard height-adjustable point in above kits for a liquid point simply change second digit (4) in part number to a **5**. Price will be an extra **\$26** ex GST (includes stainless tube and securing bolt to back of point).

E.g. **PMM65182029** **\$355.00 \$390.50**

For replacement parts for these kits please refer to page 21

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
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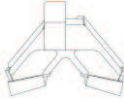
Multi-Boot Module for Bourgault Paralink



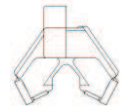
FB5310
Dual Shoot Dry
Fertiliser Boot



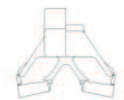
Seeker Wing Size/Profile



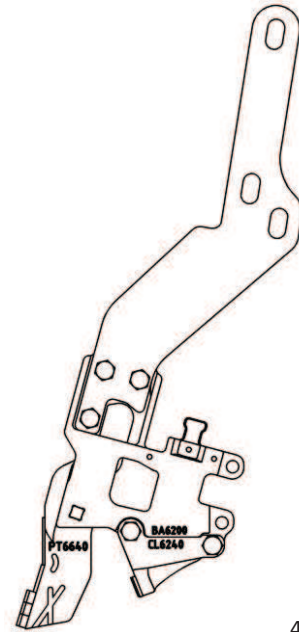
SW6290
95mm Seeker Wing
Paired Rows 75mm apart



SW6280
85mm Seeker Wing
Paired Rows 65mm apart



SW6270
75mm Seeker Wing
Paired Rows 55mm



CL6240
Single Row
45mm Closer

Bourgault Paralink Seeding Assembly with Paired Row Seeker Wing

Bourgault Paralink Seeding Assembly with Single Row 45mm Closer

Kits listed below include height-adjustable 14mm Lo-Thro style standard point, specified closing tool, leg/shank, boot adaptor and all bolts & fasteners required for assembly

Paired Row Options:

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PMM64192029	Multi-Boot Module Paralink; 14mm Adjustable Point, Seeker Wing 95mm	\$354.00	\$389.40
PMM64192028	Multi-Boot Module Paralink; 14mm Adjustable Point, Seeker Wing 85mm	\$354.00	\$389.40
PMM64192027	Multi-Boot Module Paralink; 14mm Adjustable Point, Seeker Wing 75mm	\$349.00	\$383.90

Single Row Closer Option:

PMM64192024	Multi-Boot Module Paralink; 14mm Adjustable Point, 45mm Closer	\$266.00	\$292.60
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Dual Shoot Fertiliser Boot

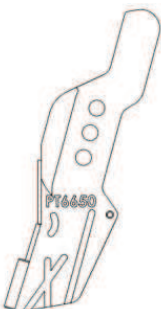


To add optional dry fertiliser boot (FB5310) to either Seeker Wing Kit simply add **31** to end of part number. Price will be an extra **\$42** ex GST. e.g:

PMM6419202931	\$396.00	\$435.60
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PLEASE NOTE: the Dry Fertiliser boot is only designed for use with the Seeker Wings as it drops the fertiliser in between the two seed rows. It will be ineffective when used with CL6240 unless it is mounted in an offset position. Contact Agmaster for more information.

Liquid Fertiliser Point



To substitute the standard point in above kits for a liquid point simply change second digit (4) in part number to a **5**. Price will be an extra **\$26** ex GST

(includes stainless tube and securing bolt to back of point).

E.g. PMM65192029	\$380.00	\$418.00
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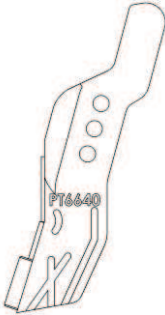
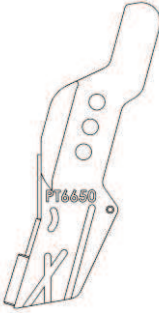
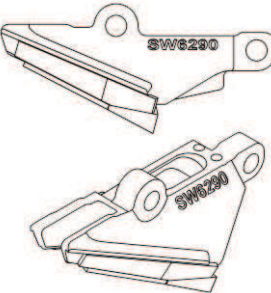
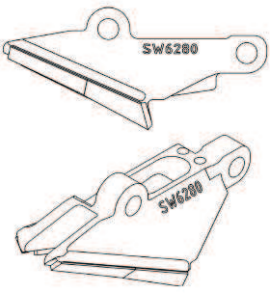
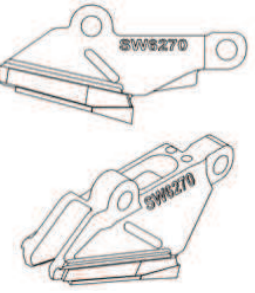
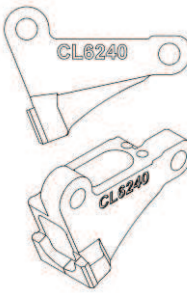
For replacement parts for these kits please refer to page 21

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MULTI-BOOT MODULE PARTS

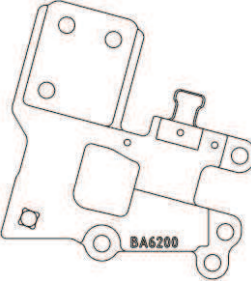
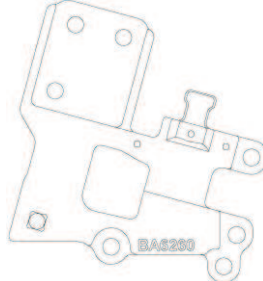
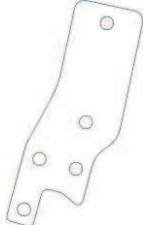



Spare parts for Multi-Boot Module Seeding Kits for Morris Quantum, Contour 2/3 & Bourgault Paralink

Points & Closing Tools for Multi-Boot Module

PT6640	PT6650	SW6290	SW6280	SW6270	CL6240
					
14mm Standard Adjusta-Point	14mm Liquid Adjusta-Point	Paired-Row 95mm Seeker Wing ~75mm rows	Paired-Row 85mm Seeker Wing ~65mm rows	Paired-Row 75mm Seeker Wing ~55mm rows	Single-Row 45mm Closer

			<u>Prices</u>	
			<u>Exc</u>	<u>Inc</u>
PT6640	* or **	Standard Point; 14mm, Lo-Thro style, height adjustable	\$ 69.00	\$ 75.90
PT6650	* or **	Liquid Point; 14mm, Lo-Thro style, height adjustable	\$ 90.00	\$ 99.00
SW6290	***	95mm Seeker Wing for Module; paired rows 75mm apart	\$130.00	\$143.00
SW6290	***	85mm Seeker Wing for Module; paired rows 65mm apart	\$130.00	\$143.00
SW6270	***	75mm Seeker Wing for Module; paired rows 55mm apart	\$125.00	\$137.50
CL6240	***	45mm Closer for Module; single row	\$ 42.00	\$ 46.20

Other Parts for Multi-Boot Module

BA6200	BA6260	LA6180	LA6190	FB5310	SL5520
					
Boot Adaptor 2021	Boot Adaptor 2020	Morris Leg Adaptor	Bourgault Leg Adaptor	Dual-Shoot Dry Fertiliser Boot	Stainless Liquid Tube

			<u>Prices</u>	
			<u>Exc</u>	<u>Inc</u>
BA6200	****	Boot Adaptor 2021; mount for above closing tools and fertiliser boot	\$ 80.00	\$ 88.00
BA6260	****	Boot Adaptor 2020; mount for above closing tools and fertiliser boot	\$ 80.00	\$ 88.00
LA6180	***	Leg Adaptor <u>Morris Quantum & C2</u> ; secures seeding system to machine	\$ 50.00	\$ 55.00
LA6190	*****	Leg Adaptor <u>Bourgault Paralink</u> ; secures seeding system to machine	\$ 75.00	\$ 82.50
FB5310	***	Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with SW6290 and SW6270	\$ 42.00	\$ 46.20
SL5520	*****	Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point or for liquid with seed. <i>If using with point, 1 required per boot/closer. If for with seed then 2 required per boot/closer.</i>	\$ 5.00ea	\$ 5.50ea

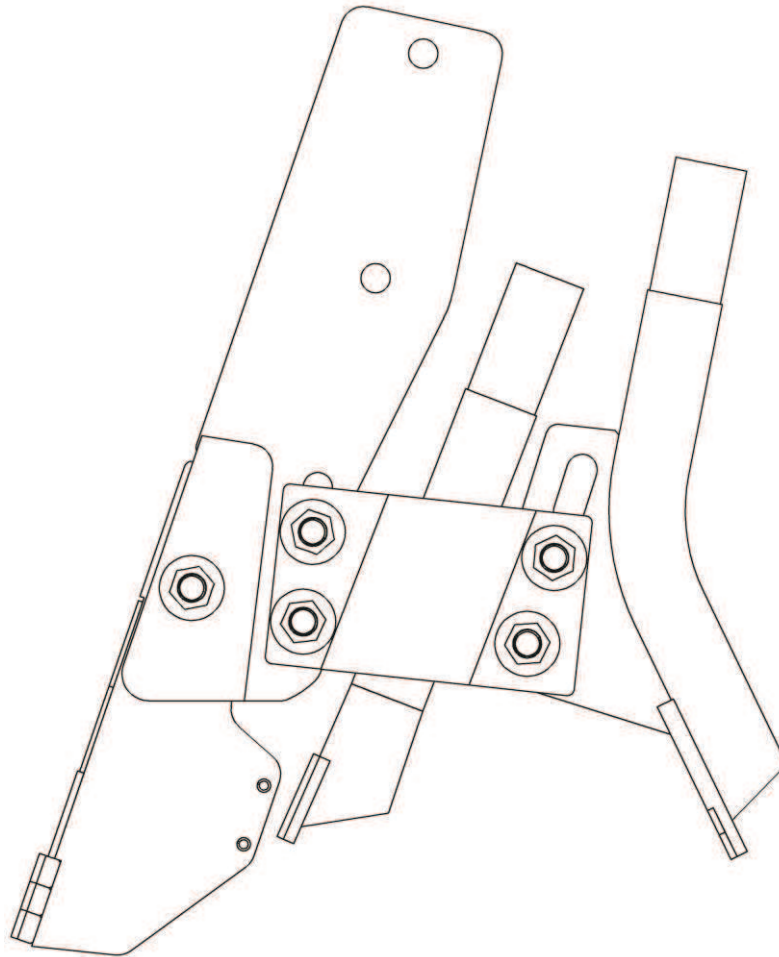
*	Requires 1 x PIR41	12mm x 41mm Pin Square & R-Clip w BA6200 (2021)	\$ 2.00ea	\$ 2.20ea
**	Requires 1 x PIR45	12mm x 45mm Pin & R-Clip w BA6260 (2020)	\$ 2.00ea	\$ 2.20ea
***	Requires 2 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea
****	Requires 3 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea
*****	Requires 2 x BNW16M55	M16 x 55 Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
*****	Requires 1 x BO6M16S	M6 x 16 Bolt (1 required per tube)	\$ 0.50ea	\$ 0.55ea

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

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Dual In-Line for Morris Quantum & Contour 2/3

This dual-shoot inline system is currently compatible only with the Morris Quantum & Contour 2. It was developed to fulfil customer requirements that our Multi-Boot Module system was unable to meet.



		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PMI063554	Dual In-Line Seeding Kit for Morris; 12mm Adjustable Point, 40mm Closer	\$310.00	\$341.00
PMI073554	Dual In-Line Seeding Kit for Morris; 12mm <u>Liquid</u> Adjustable Point, 40mm Closer <i>Pictured above</i>	\$323.00	\$355.30

Dual In-Line Parts



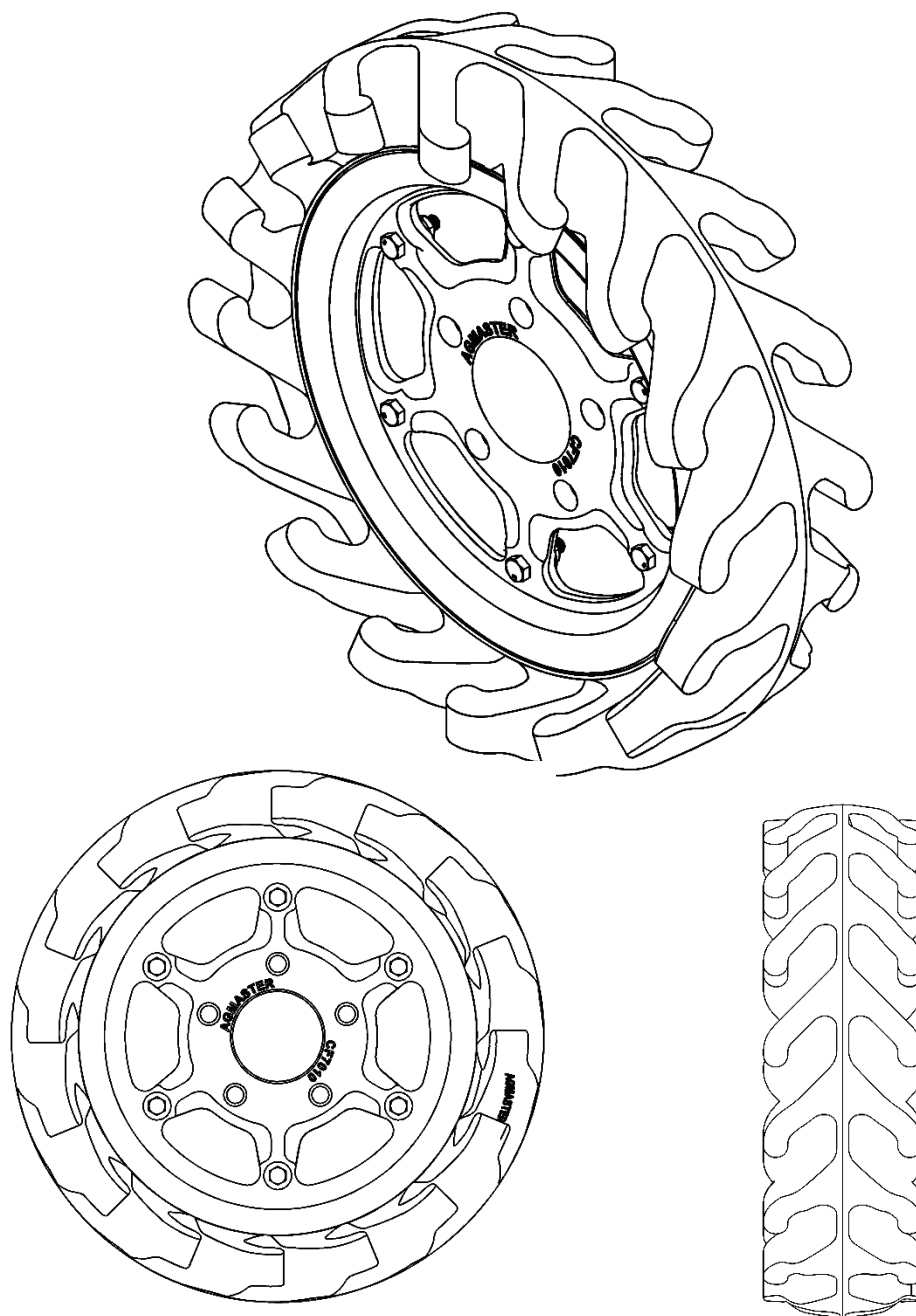
		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PT5060	**** Standard Point; 12mm height-adjustable standard point	\$65.00	\$ 71.50
PT5070	**** Liquid Point; 12mm height-adjustable liquid point	\$ 78.00	\$ 85.80
SL5340	*** Leg; holds point and attaches seeding kit to machine	\$ 95.00	\$104.50
FB5350	***** Dry Fertiliser Boot; dual-shoot behind point	\$ 90.00	\$ 99.00
BT5540	*** Seeding Boot; 40mm closer plate	\$ 60.00	\$ 66.00

*	Requires <u>1</u> x BNW12112	½" x 1 ½" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea
**	Requires <u>1</u> x BNW122	½" x 2" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea
***	Requires <u>2</u> x BNW12112	½" x 1 ½" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
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Emu Tracker Wheels

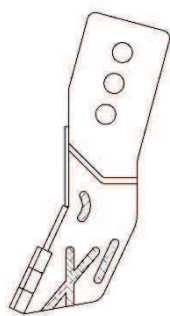
Our Emu Tracker wheels have a unique design which addresses the issue of presswheel furrow smearing on parallelogram seeding modules such as the Bourgault Paralink, Morris Quantum, Morris Contour 2 and Horsch Sprinter (other makes may be adaptable). The Emu Tracker wheels replace the existing wheels on these modules. The flexible feet flick some of the loose soil back into the seeding row while giving some pressing effect. They are most effective in moist clay soil conditions.



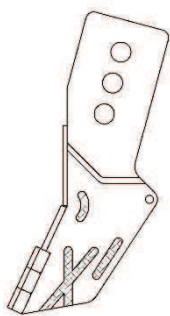
		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
CF7560	Emu Tracker complete wheel assembly for Morris Quantum, C2 & Paralink	\$220.00	\$242.00
CF7360	Emu Tracker complete wheel assembly for Horsch Sprinter	\$220.00	\$242.00
CF7160	Emu Tracker replacement tyre only	\$110.00	\$121.00

KWIK FIT MODULE PARTS

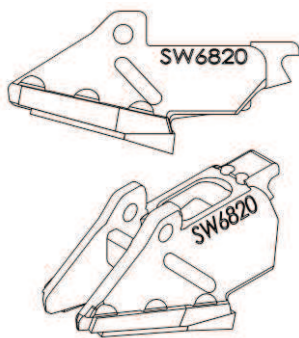
These parts are for Kwik Fit Module kits for Morris Contour 2 and Bourgault Paralink sold during the 2017 & 2018 seasons.



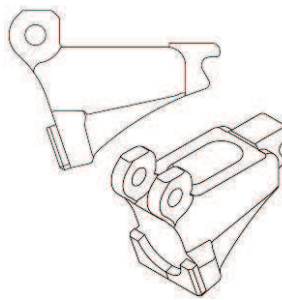
PT6040



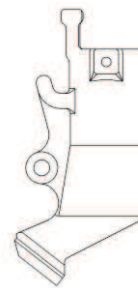
PT6050



SW6820



CL6740

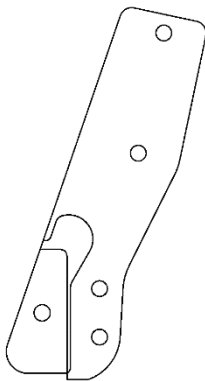


FB6410

			<u>Prices</u>	
			<i>Exc</i>	<i>Inc</i>
PT6040	*	Standard Point; 14mm, Lo-Thro style, height adjustable	\$ 65.00	\$ 71.50
PT6050	*	Liquid Point; 14mm, Lo-Thro style, height adjustable	\$ 78.00	\$ 85.80
SW6720	**	95mm Seeker Wing for Module; paired rows 75mm apart (<i>OBSOLETE</i>)	\$-----	\$-----
SW6820	**	75mm Seeker Wing for Module; paired rows 55mm apart	\$125.00	\$137.50
CL6740	**	45mm Closer for Module; single row	\$ 42.00	\$ 46.20
FB6410	**	Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with SW6720 and SW6820	\$ 42.00	\$ 46.20

*	Requires <u>1</u> x BNW12M55	M12 x 55 Bolt, Nut & Washer	\$ 2.00ea	\$ 2.20ea
**	Requires <u>1</u> x BNW7162	7/16" x 2" Bolt, Nut & Washer	\$ 2.50ea	\$ 2.75ea

MORRIS CONTOUR 2 2015-2016 PARTS



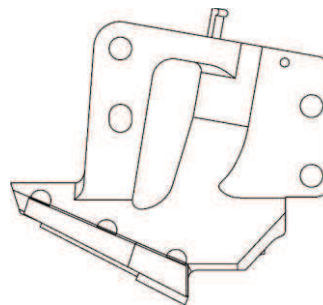
SL5340



PT5040



PT5050



SB5280

			<u>Prices</u>	
			<i>Exc</i>	<i>Inc</i>
SL5340	*	MC2 Seeker leg to hold point & seeker boot	\$ 95.00	\$ 104.50
PT5040	**	12mm Standard point to suit MC2 SL5340	\$ 65.00	\$ 71.50
PT5050	**	12mm Liquid point to suit MC2 SL5340	\$ 78.00	\$ 85.80
SB5280	*	Paired Row Seeker Boot for Morris Contour 2 2015-2016	\$185.00	\$203.50
SBB28		Paired Row Seeker Boot for Morris Contour 2 2015-2016 w bolts	\$187.00	\$205.70

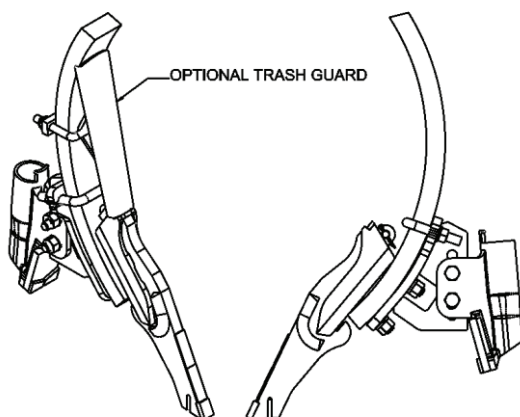
*	Requires 2x BNW122	Bolt, Nut & Washer	\$2.50ea	\$2.75ea
**	Requires 1x BNW12134	Bolt, Nut & Washer	\$2.50ea	\$2.75ea

For current Morris kits please refer to page 19

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
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NT11 RIGID POINT & BOOT KITS

They come standard with Agmaster's original 'Slip and Clip' system for changing Points. Included in the Kit are Point, Point Holder, Bracket, Boot, U Bolt, Bolts and Nuts. These Kits are standard with 16mm Point and 50mm Single System Boot. Other options are available for Points and different Boots.



Prices NT11 Point & Boot Kits

	<i>Exc</i>	<i>Incl</i>
16mm Standard Kit	\$181.00	\$199.10
12mm Standard Kit	\$174.00	\$191.40

*For other Point & Boot options and price differences please refer to **page 26***

Part No

For tynes not listed below contact Agmaster

PHB160155	NT11 16mm Point, 50mm Boot, ½" x 1¾" bolt centres. Curved Foot This suits regular flat on tynes with ½" x 1¾" (12.7mm x 44.5mm) bolt centres, e.g. Morris Concept 400lb, Bourgault, Ezee-On, Horwood Bagshaw F/O, Shearer Universal Use this kit for Flexicoil 350lb flat on tynes reamed out to ½" holes
PHB160255	NT11 16mm Point, 50mm Boot, 7/16" x 1¾" bolt centres. Curved Foot Suits regular flat-on tines with 7/16" x 1¾" (11.5mm x 44.5mm) bolt centres, e.g. Flexicoil 350lb
PHB160355	NT11 16mm Point, 50mm Boot, ½"x 2 ¼" bolt centres. Curved Foot Suits regular flat-on tines with ½"x 2 ¼" (12.7mm x 57mm) bolt centres, e.g. Flexicoil 550/Lb+ Morris 600LB+, John Deere 1810 -1830
PHB160455	NT11 16mm Point, 50mm Boot, AFM Edge-On Tynes
PHB160655	NT11 16mm Point, 50mm Boot, Flexicoil Edge-On Tynes
PHB160855	NT11 16mm Point, 50mm Boot, Gason Scaritill Edge-On Tynes
PHB160955	NT11 16mm Point, 50mm Boot, Horwood Bagshaw Scaribar Edge-On Tynes
PHB161155	NT11 16mm Point, 50mm Boot, Simplicity, Gason Hydratill Edge-On Tynes

The following alternative NT11 Kits are supplied with a 12mm Point and 40mm Single System Boot for tynes with breakout less than 400lb

Part No

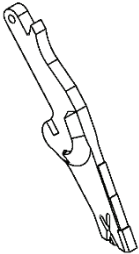
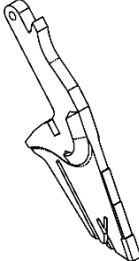
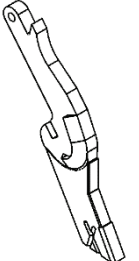
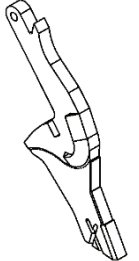
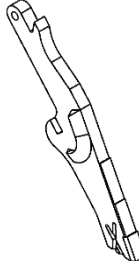
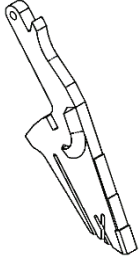
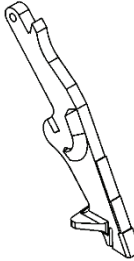
PHB120154	NT11 12mm Point, 40mm Single System Boot i.e. Morris 400Lb, Flexicoil reamed to ½"
PHB120554	NT11 12mm Point, 40mm Single System Boot i.e Forward Delta Edge-On Tyne
PHB120654	NT11 12mm Point, 40mm Single System Boot; Flexicoil Edge-On Tyne 350lb
PHB120754	NT11 12mm Point, 40mm Single System Boot i.e Gason 5100 Edge-On Tyne

Other Relative Page References for NT11 Rigid Boot Seeding Kits:

<u>Page 26</u>	Other point & boot options and their price differences
<u>Page 28</u>	Replacement Boots & Brackets
<u>Pages 34 – 35</u>	Replacement Points, Holders & Pins
<u>Page 36</u>	Replacement closer plates
<u>Pages 32 - 33</u>	Optional extras such as trashguards, liquid fertilizer kits and their spare parts

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
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NT11 POINT OPTIONS FOR FLEXIBOOT & RIGID KITS:

PT1120	*PT1150	PT1140	*PT1170	PT1160	*PT1190	PT1130
						
12mm	12mm Liquid	14mm Lo Thro	14mm Lo Thro Liquid	16mm	16mm Liquid	16mm Winged
(12)	(15)	(14)	(17)	(16)	(19)	(13)

To select a different point option for an NT11 **Rigid** (pg25) or **Flexiboot** (pg29) kit, change the first two (2) digits of the **part numbers** with the following. Difference in price is also outlined below.

				<u>Price Difference exc GST</u>
PT1120		12mm Point	12	\$7 LESS than NT11 16mm Kit
PT1150	*	12mm Liquid Fertilizer Point	15	\$11 MORE than NT11 16mm Kit
PT1140		14mm Lo Thro Point	14	Same price as NT11 16mm Kit
PT1170	*	14mm Lo Thro Liquid Point	17	\$18 MORE than NT11 16mm Kit
PT1160		16mm Point	16	N/a (is in standard NT11 kit examples)
PT1190	*	16mm Liquid Fertilizer Point	19	\$18 MORE than NT11 16mm Kit
PT1130		16mm Winged Point	13	\$26 MORE than NT11 16mm Kit

It is NOT recommended to use a 12mm point on tynes with breakout force above 400lb (180kg)

* When an NT11 Liquid Point is selected for an NT11 Rigid kit you will also need to order a liquid kit which delivers the liquid to the back of the point. You will find part numbers and prices for these on **page 33**

Examples: A Morris 400lb **Flexiboot Kit** with 12mm Liquid Point will be
A Flexicoil 550lb **Rigid Kit** with 16mm Winged Point will be

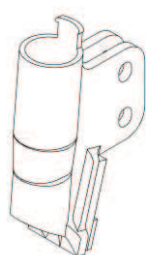
PHB157184 **\$246 exc GST**
PHB130355 **\$207 exc GST**

Soft Point Option: A softer tip on the points for extremely rocky conditions is available for kits with PT1120 and PT1160 points. These are identified by the point being painted **Red**. To order this option an “R” needs to be added to the part number. There is no price difference for “Red” points.

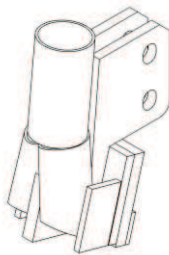
Example: An NT11 Flexicoil **Rigid** Edge-On Kit with a soft (red) point will be **PHB160655R**

For replacement Point prices please refer to page 34

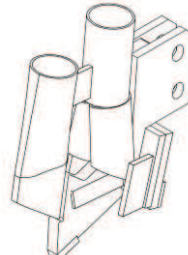
BOOT OPTIONS:



BT2540/BT2550



BT2370



BT2390

Pipe size on all boots is 38.4mm inside diameter and 42.4mm outside diameter

To select a different Boot option for an NT11/NT08 Rigid Kit, change the last two digits of the **part number** as follows:

			<u>Price Difference exc GST</u>
40mm Closer Single System Boot	:	54	No difference
50mm Closer Single System Boot	:	55	No difference
65mm Closer ‘Y’ Tube Single System Boot	:	37	\$40 extra
65mm Closer Split System Boot	:	39	\$85 extra

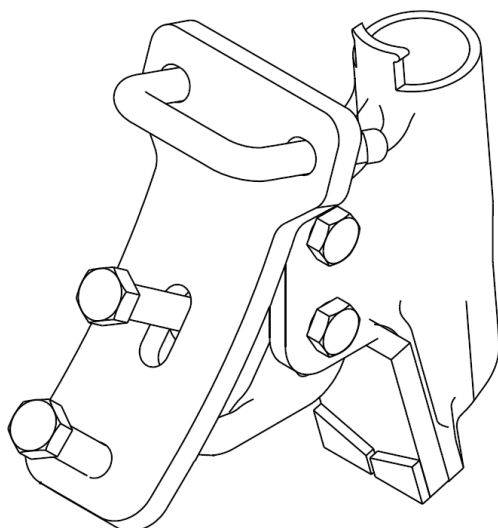
Example: A Flexicoil 550lb Kit with 65mm Split System Boot will be a **PHB160339 - \$266exc GST**

For replacement Boot prices please refer to page 28

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

NT11 BOOT & BRACKET KITS

These assemblies include Bracket, Boot, U-Bolt around tine and all Bolts & Nuts including those to go through the tyne.



Prices NT11 Boot & Bracket Kits

	<i>Exc</i>	<i>Inc</i>
Standard Kit	\$102.00	\$112.20

*For other Boot options and price differences
please refer to **page 26***

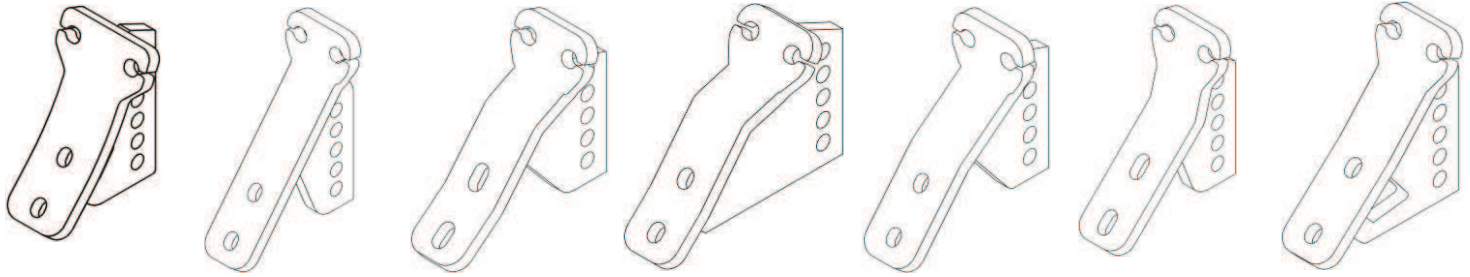
For tynes not listed below contact Agmaster

Part No		
BRB0155	Bracket ½" x 1 ¾" bolt centres, Boot 50mm	Morris 400lb, Bourguault, Ezee-On Horwood Flat on, Shearer Universal Flexicoil 350lb reamed out to ½"
BRB0255	Bracket 7/16" x 1 ¾" bolt centres, Boot 50mm	Flexicoil 350lb Flat-on Tines
BRB0355	Bracket ½" x 2 ¼" bolt centres, Boot 50mm	Flexicoil 550lb+, Morris 650lb+, John Deere 1810-1830
BRB0455	Bracket, Boot 50mm Single System	AFM Edge-On Tynes
BRB0554	Bracket, Boot 40mm Single System	Forward Delta Edge-On Tynes
BRB0655	Bracket, Boot 50mm Single System	Flexicoil Edge-On Tynes
BRB0754	Bracket, Boot 40mm Single System	Gason 5100 Edge-On Tynes
BRB0855	Bracket, Boot 50mm Single System	Gason Scaritill Edge-On Tynes
BRB0955	Bracket, Boot 50mm Single System	Horward Bagshaw Edge-On Tynes
BRB1155	Bracket, Boot 50mm Single System	Simplicity/Gason Hydratill Edge-On Tynes

For replacement parts for these kits please refer to page 28

NT11 RIGID BOOT REPLACEMENT PARTS

NT11 BRACKETS



BR2010
BR2030

BR2040

BR2050

BR2060

BR2070

BR2080

BR2090

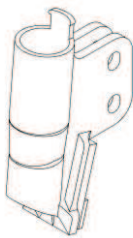
NT11 SERIES BRACKETS

			<u>Prices</u>	
			<u>Exc</u>	<u>Inc</u>
BR2010	***	Bracket ½" x 1 ¾" bolt hole spacings	\$42.00	\$46.20
<i>Flat C-Shank tynes with ½" x 1 ¾" e.g. Morris 400lb, Flexicoil 350lb, Bourguault, Ezee-On, Horwood Bagshaw</i>				
BR2030	***	Bracket ½" x 2 ¼" bolt hole spacings	\$42.00	\$46.20
<i>Flat C-Shank tynes with ½" x 2 ¼" e.g. Morris 650lb, Flexicoil 550/650lb, John Deere 1810-1830</i>				
BR2040	****	Bracket AFM 340 Edge-on	\$42.00	\$46.20
BR2050	****	Bracket Forwood Delta Edge-on	\$42.00	\$46.20
BR2060	****	Bracket Flexicoil Edge-on	\$42.00	\$46.20
BR2070	****	Bracket Gason 5100 Edge-on	\$42.00	\$46.20
BR2080	****	Bracket Gason Scari Edge-on	\$42.00	\$46.20
BR2090	****	Bracket Horwood Bagshaw Edge-on	\$42.00	\$46.20
BR2110	****	Bracket Simplicity/Gason Hyd Edge-on	\$42.00	\$46.20

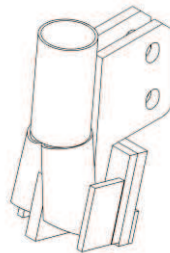
*** Uses UBN2001 - U-Bolt M12, 65 x 52, with Nuts & Washers

**** Uses UBN2002 - U-Bolt M12, 90 x 30, with Nuts & Washers

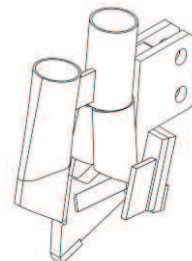
REPLACEMENT BOOTS



BT2540/ BT2550



BT2370



BT2390

			<u>Prices</u>	
			<u>Exc</u>	<u>Inc</u>
BT2540	40mm Closer Single System recommended for use with 12mm Point		\$ 55.00	\$ 60.50
BT2550	50mm Closer Single System recommended for use with 16mm Point		\$ 55.00	\$ 60.50
BT2370	65mm Closer with 'Y' Tube		\$ 95.00	\$104.50
BT2380	65mm Closer with Side-by-Side Tubes. <i>Obsolete when stock exhausted</i>		\$ 95.00	\$104.50
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following		\$140.00	\$154.00
BT2399	Split Fert Knife Weld-on		\$ 20.00	\$ 22.00
BT2398	Split Boot Side Pipe Protectors hardfaced.	<i>per set</i>	\$ 10.00	\$ 11.00
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)		\$ 2.50	\$ 2.75

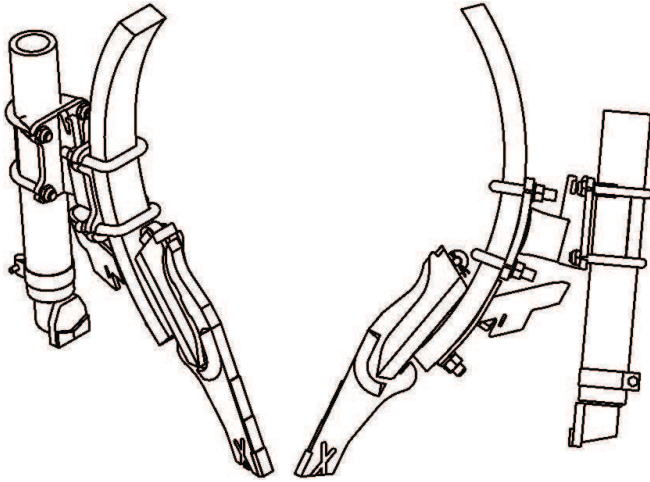
For replacement closer plates for these boots please refer to page 36

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

www.agmaster.com.au

NT11 POINT & FLEXI BOOT KITS

These kits are only available for double bolt tines and come with Agmaster's 'Slip and Clip' system for changing points. Standard kits include a 16mm Point and 40mm Closer Plate.



Prices NT11 Point & Flexi-Boot Kits

	<i>Exc</i>	<i>Inc</i>
<i>Standard 16mm Kit</i>	\$235.00	\$258.50

For other Point options and price differences
please refer to **page 26**

For tynes not listed below contact Agmaster

Part No

PHB167184

NT11 Flexi, 16mm Point, 40mm Closer, ½" x 1¾" bolt centres

This suits regular flat tynes with ½" x 1¾" (12.7mm x 44.5mm) bolt centres e.g. Morris 400lb, Bourgault, Ezee-On, Horward Bagshaw flat on

Use this Kit for Flexicoil 265 / 350 Flat On Tines Reamed out to 1/2"

PHB167284

NT11 Flexi, 16mm Point, 40mm Closer, 7/16" x 1¾" bolt centres

This suits regular flat on tynes with 7/16" x 1¼" (11.5mm x 44.5mm) bolt centres
e.g. Flexicoil 350lb Flat On

PHB167384

NT11 Flexi, 16mm Point, 40mm Closer, ½" x 2¼" bolt centres

This suits regular flat tynes with ½" x 2¼" (12.7mm x 57mm) bolt centres
e.g. Flexicoil 550lb, JD1810

PHB167484

NT11 Flexi, 16mm Point, 40mm Closer, Double Hole Edge-On Tyne with ½" bolt holes

e.g. Flexicoil E/O, Horwood Bagshaw E/O, Gason, Simplicity

Soft Point Option: A softer tip on the points for extremely rocky conditions is available for kits with PT1120 and PT1160 points. These are identified by the point being painted **Red**. To order this option an **“R”** needs to be added to the part number. There is no price difference for **“Red”** points.

Example: PHB167284R

To select a different Closer option on the Flexi Boot the last two (2) digits of the **part number** needs to be changed as follows:

50mm Closer Plate : **85**
(50mm Closers can be used in lighter soils for a wider spread)

Example: An Edge On Tyne kit with 16mm Point, 50mm Flexi Boot Closer will be a **PHB167485**

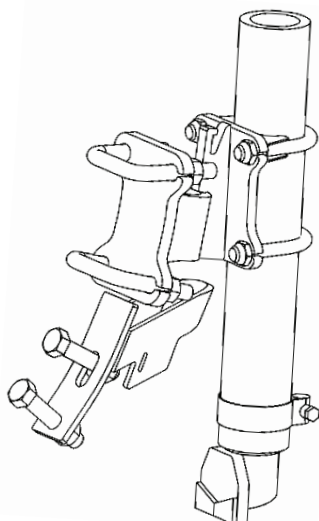
Other Relative Page References for NT11 Rigid Boot Seeding Kits:

Page 26	Other point options and their price differences
Page 31	Replacement Boots, Brackets Closer Plates & Other Parts
Pages 34 – 35	Replacement Points, Holders & Pins
Pages 32 - 33	Optional extras such as trashguards, liquid fertilizer kits and their spare parts

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

NT11 FLEXI BOOT & BRACKET KITS

These assemblies are designed to suit double hole tyres. Standard Flexi Boots include a 40mm closer plate. Only suit NT11 Points & Holders?



Prices NT11 Flexi-Boot & Bracket Kits

	<i>Exc</i>	<i>Inc</i>
Boot Kit	\$156.00	\$171.60

Part No

BRB7184

NT11 Flexi boot, 40mm Closer & Bracket for flat tynes, ½" x 1¾" bolt centres

This suits regular flat tynes with ½" x 1¾" (12.7mm x 44.5mm) bolts centres e.g. Morris 400lb, Bourgault, Ezee-On, Horwood Bagshaw flat on

Use this Kit for Flexicoil 265 / 350 Tynes Reamed out to 1/2"

BRB7284

NT11 Flexi boot, 40mm Closer & Bracket for flat tyres, 7/16" x 1¾" bolt centres

This suits regular flat on tynes with 7/16" x 1¼" (12mm x 44.5mm) bolt centres, e.g. Flexicoil 350lb Flat On

BRB7384

NT11 Flexi boot, 40mm Closer & Bracket for flat tynes, ½" x 2 ¼" bolt centres

This suits regular flat tynes with ½" x 2¼" (12.7mm x 57mm) bolt centres e.g. Flexicoil 550lb, JD1810

BRB7484

NT11 Flexi boot, 40mm Closer & Bracket for Edge-On tynes, ½" bolt holes

Flexicoil E/O, Horwood Bagshaw E/O, Gason, Simplicity

To select a different Closer option on the Flexi Boot the last two (2) digits of the product number needs to be changed as follows:

50mm Closer Plate : **85**
(50mm Closer Plates can be used in lighter soils for a wider spread)

Example: Flexi Boot Kit to suit a Morris 400lb tine with 50mm closer will be a **BRB7185**

For replacement parts for these kits please refer to the next page

NT11 FLEXI BOOT REPLACEMENT PARTS

Flexi Boots



FB2840
FB2850



FB2870



HC52T



FB2834
FB2835



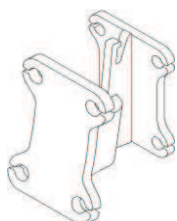
CL2844
CL2855



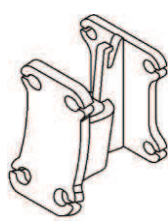
SP2880

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
FB2870	Flexi Boot hose 340mm long	\$30.00	\$33.00
HC52T	Hose Clamp	\$ 5.00	\$ 5.50
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$78.00	\$85.80
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$78.00	\$85.80
FB2834	Hose Insert with 40mm Closer	\$42.00	\$46.20
FB2835	Hose Insert with 50mm Closer	\$42.00	\$46.20
CL2844	Closer Plate, weld-on, 40mm wide	\$20.00	\$22.00
CL2845	Closer Plate, weld-on, 50mm wide	\$20.00	\$22.00
SP2880	Spring Inner 200 x 37	\$10.00	\$11.00

Flexi Boot Brackets



FB2710



FB2740



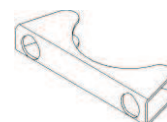
FBH2800



HC2145



FB2810



FB2820

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
FB2710	*** Suits two bolt <u>flat</u> tynes	\$45.00	\$49.50
FB2740	**** Suits two bolt <u>edge-on</u> tynes	\$45.00	\$49.50
FBH2800	Hose support bracket with hose clamp (HC2145)	\$15.00	\$16.50
HC145	Hose Clamp 21-45mm (for fertiliser tube)	\$ 2.50	\$ 2.75
FB2810	Support Saddle	\$ 5.00	\$ 5.50
FB2820	Grip Clamp	\$ 5.00	\$ 5.50
UBN2007	M10 U-Bolt to clamp hose to bracket	\$ 4.00	\$ 4.40

*** Uses UBN2001 – U-Bolt M12, 65 x 52, with Nuts & Washers

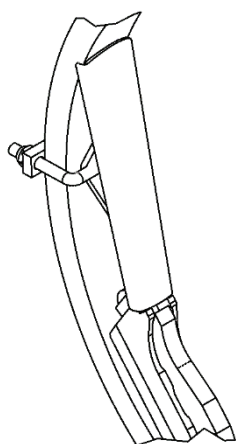
**** Uses UBN2002 – U-Bolt M12, 90 x 30, with Nuts & Washers

For replacement Points & Holders please refer to pages 34 - 35

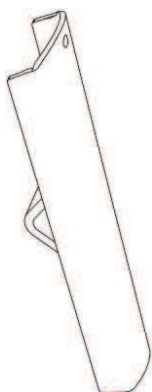
NT11 OPTIONAL EXTRAS

Trashguard Kits & Parts

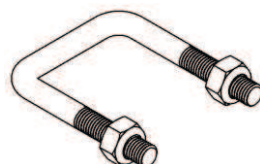
Will only fit up to NT11 series holders and PT1580 Bolt on Points on double hole tines



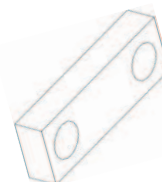
TGU1170
TGU1177



TG1170



UBN1003
UBN1004



TG1173
TG1175

Part No

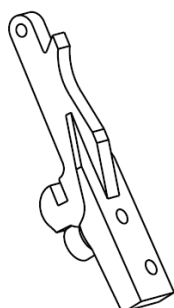
		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
TGU1170	Trashguard, U-Bolt and Lug Kit – Flat-on Tynes	\$25.00	\$27.50
TGU1177	Trashguard, U-Bolt and Lug Kit– Edge-on Tynes	\$25.00	\$27.50

PLEASE NOTE: These Trashguards do not fit the Gason Hydratill Edge-On tyne. Agmaster suggests ordering a sample to see if any modifications can be made to make it fit this tyne before a full set is ordered.

TG1170	NT11 Trashguard	\$18.00	\$19.80
UBN1003	U Bolt M10 75 x 52 with nuts – for Flat on Tynes	\$ 4.00	\$ 4.40
UBN1004	U Bolt M10 110 x 30 with nuts – for Edge on Tynes	\$ 4.00	\$ 4.40
TG1175	U Bolt Lug to suit UB1003	\$ 3.00	\$ 3.30
TG1173	U Bolt Lug to suit UB1004	\$ 3.00	\$ 3.30

Sweep Adaptors

Uses retaining pin to secure into Point Holder ([page 31](#))

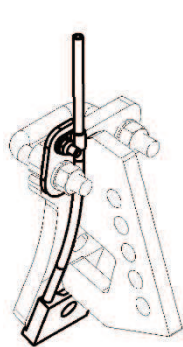


		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
SW1210	Sweep Adaptor ½" x 1¾" bolt centre (12.7mm x 44.5mm)	\$25.00	\$27.50
SW1220	Sweep Adaptor ½" x 2¼" bolt centre (12.7mm x 57mm)	\$25.00	\$27.50
SW1270	Sweep Adaptor 7/16" x 1¾" bolt centre (12mm x 44.5mm)	\$25.00	\$27.50

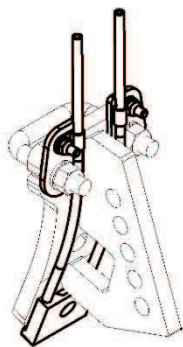
Depending on Point or Wedge thickness, 2 different length plough bolts are required (Agmaster does not supply)
Sweep adaptor thickness is ~55mm and ~26mm around the bolt holes

NT11 Liquid Kits

Liquid Kits piggy back the bracket of the NT11 Rigid Boot & Bracket Kits



LIQUID KIT
SINGLE



LIQUID KIT
DOUBLE

	<u>Prices</u>	
	<i>Exc</i>	<i>Inc</i>
<i>Liquid Kit – Single</i>	\$24.00	\$26.40
<i>Liquid Kit – Double</i>	\$38.00	\$41.80

Part No

LFK51	NT19/NT11 Liquid Fertiliser Kit – Single to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit – Double to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit – Single to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser Kit – Double to take 4-6mm flexible tube with 10mm casing

PLEASE NOTE: Our liquid kits have been designed for use with NT19/NT11 Rigid Boots but some users have modified them to suit Flexi-Boots in the past. **Contact Agmaster for more information if required.**

NT11 Liquid Kit Parts



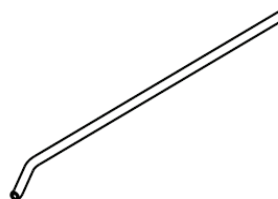
LF2510
LF2530



LF2520
LF2540



LF2550



LF2570
LF2580



PC6S
PC10S

Part No

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
LF2510	Liquid Fertiliser Clamp Plate – Single – suit 3mm tube/6mm casing	\$13.00	\$14.30
LF2520	Liquid Fertiliser Clamp Plate – Double – suit 3mm tube/6mm casing	\$17.00	\$18.70
LF2530	Liquid Fertiliser Clamp Plate – Single – suit 4-6mm tube/10mm casing	\$13.00	\$14.30
LF2540	Liquid Fertiliser Clamp Plate – Double – suit 4-6mm tube/10mm casing	\$17.00	\$18.70
LF2550	Liquid Fertiliser 'P' Clamp Lug	\$ 4.00	\$ 4.40
LF2570	Liquid Fertiliser casing 6mm Shaped – to suit 3mm tube	\$ 5.00	\$ 5.50
LF2580	Liquid Fertiliser casing 10mm Shaped – to suit 4-6mm tube	\$ 5.00	\$ 5.50
PC6S	P Clamp 6mm Stainless Steel	\$ 2.00	\$ 2.20
PC10S	P Clamp 10mm Stainless Steel	\$ 2.00	\$ 2.20
BON6M16S	Bolt 6mm x 16mm Stainless Steel and Nyloc Nut	\$ 0.60	\$ 0.66

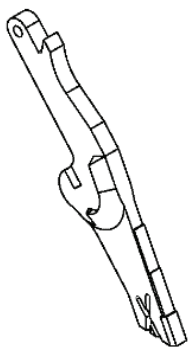
Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices
www.agmaster.com.au

NT11 REPLACEMENT PARTS

Points – Cast Mild Steel

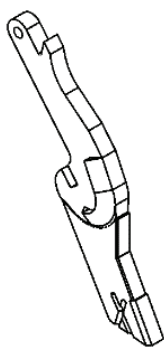
Standard Points (Non-Liquid)

PT1120



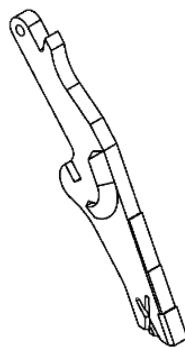
NT11 Point
12mm
Standard
(12)

PT1140



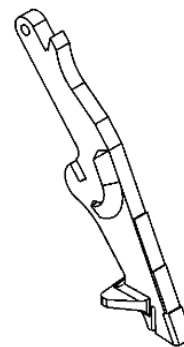
NT11 Point
14mm
Lo-Thro
(14)

PT1160



NT11 Point
16mm
Standard
(16)

PT1130



NT11 Point
16mm
Winged
(13)

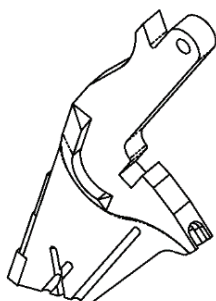
PT1120	12mm Knife
PT1120R	12mm Knife – Red for rocky conditions
PT1140	14mm Lo Thro knife
PT1160	16mm Knife
PT1160R	16mm Knife – Red for rocky conditions
PT1130	16mm Winged

Prices

<i>Exc</i>	<i>Inc</i>
\$57.00	\$62.70
\$57.00	\$62.70
\$64.00	\$70.40
\$64.00	\$70.40
\$64.00	\$70.40
\$90.00	\$99.00

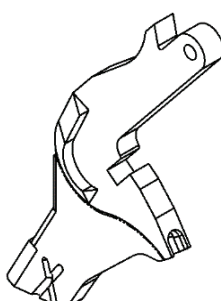
Liquid Fertiliser Points

PT1150



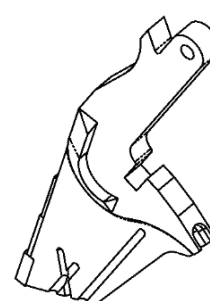
NT11 Point
12mm
Liquid
(15)

PT1170



NT11 Point
14mm
Lo-Thro Liquid
(17)

PT1190



NT11 Point
16mm
Liquid
(19)

PT1150	12mm Liquid Fertiliser Point
PT1170	14mm Lo Thro Liquid Fertiliser Point
PT1190	16mm Liquid Fertiliser Point

Prices

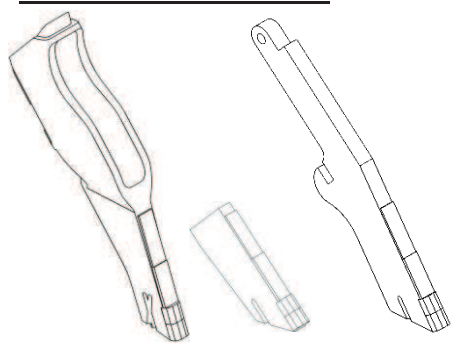
<i>Exc</i>	<i>Inc</i>
\$75.00	\$82.50
\$82.00	\$90.20
\$82.00	\$90.20

For replacement Point Holder for these points please refer to the next page

NT05 & NT09 Points

NT09 Series – Cut From Plate

Prices



PT1962 - 16mm thick, 20mm shorter

Exc

Inc

\$69.00

\$75.90

PT1963 – 16mm thick, 25mm longer
(*obsolete when stock exhausted*)

\$81.00

\$89.10

PT1964 – 16mm thick, 40mm longer

\$87.00

\$95.70

Weld-on Knives – For Self-Repair of NT09 Series Points

PT1930 Weld On 12mm

\$42.00

\$46.20

PT1940 Weld On 16mm

\$48.00

\$52.80

PT1580R Weld-On NT09 Point
Knife

NT05 Series – 16mm Points - Double Hole Bolt on points

PT1580R * or ******* To suit all tynes with ½" holes (only available in Red Soft Tip)

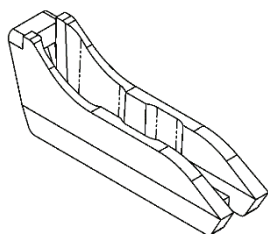
\$80.00

\$88.00

*** Uses ½" x 3" Bolt & Nut (Part No. BNW123) through the tyne

***** Uses ½" x 2½" Bolt & Nut (Part No BNW12212) through the tyne

POINT HOLDERS



Prices

Exc

Inc

HL1100

\$15.00

\$16.50

HL1110

\$15.00

\$16.50

HLT1100

\$16.00

\$17.60

HLT1110

\$16.00

\$17.60

Holder for Points PT1120 – PT1190 and PT1962 – PT1964 as well as Sweep Adaptors

Part No

HL1100

Point Holder ½" x 1¾" & 2¼" bolt centres

For tynes with either 1¾" (44.5mm) or 2¼" (57mm) bolt centres and ½" holes

eg Flexicoil 350 reamed out to ½" holes, Morris 400lb, Bourgault, Ezee-on, Flexicoil 550lb, John Deere 1610, Horwood Bagshaw, Gason Scari and similar

HL1110

Point Holder 7/16" x 1¾" bolt centres (12mm x 44.5mm)

For Flexicoil 350lb, Gason 5100 2 bolt tyne and similar

HLT1100

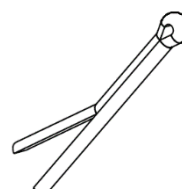
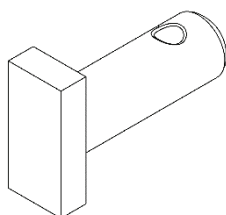
Includes HL1100 and Retainer Pin (TSP)

HLT1110

Includes HL1110 and Retainer Pin (TSP)

RETAINER PINS

Fit series NT07, NT09, NT11 Points & Sweep Adaptors



Prices

Exc

Inc

TSP

Pin 'T' Diameter 10mm + Pin Split 4 x 25mm

\$1.50

\$1.65

TP1180

Pin 'T' Diameter 10mm

\$1.40

\$1.54

PI425S

Pin Split 4 x 25mm

\$0.20

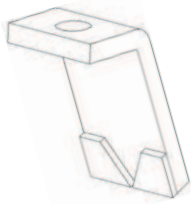
\$0.22

Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

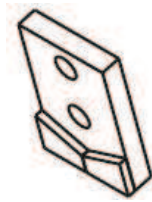
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REPLACEMENT CLOSER PLATES

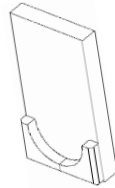
All closers have tungsten carbide corners unless noted 'hard face weld'



NT03 40mm



NT07 Series



NT19/NT11/09/08 Series



Flexi Boots

Part No

Prices

Exc

Inc

NT03 Series

CL2440	40mm wide (<i>obsolete when stock exhausted</i>)	\$20.00	\$22.00
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NT07 Series

CL2474	40mm wide (<i>obsolete when stock exhausted</i>)	\$20.00	\$22.00
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NT 11/09/08 Series – Weld on

CL2494*	40mm wide	\$20.00	\$22.00
CL2494HF*	40mm wide with hard face weld	\$13.00	\$14.30
CL2495*	50mm wide	\$20.00	\$22.00
CL2495HF*	50mm wide with hard face weld	\$13.00	\$14.30
CL2496	65mm wide	\$22.00	\$24.20
CL2496HF	65mm wide with hard face weld	\$15.00	\$16.50

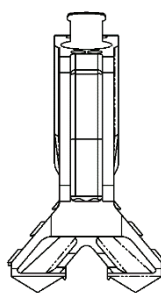
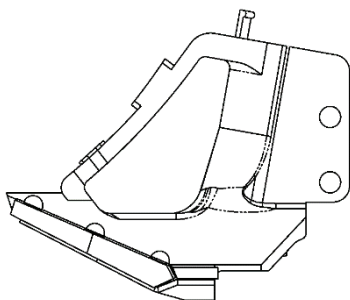
****If welding closers to Cast Boot BT2540/50 recommend to use Stainless electrode Gr 309***

Flexi Boots – Weld on

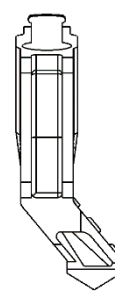
CL2844	40mm wide	\$20.00	\$22.00
CL2845	50mm wide	\$20.00	\$22.00

NT11 SEEKER BOOT PARTS

Spare parts for the NT11Bolt-On Seeker Boot kits sold from 2013-2016



Twin Row
80mm Apart



Single Offset
40mm

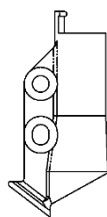
Boots – Paired Row

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
SB5210	Seeker Twin; 1 ¾" spacing, curved	\$185.00	\$203.50
SBB21	Seeker Twin; 1 ¾" spacing, curved with bolts	\$187.00	\$205.70
SB5230	Seeker Twin; 2 ¼" spacing, curved	\$185.00	\$203.50
SBB23	Seeker Twin; 2 ¼" spacing, curved with bolts	\$187.00	\$205.70
SB5250	Seeker Twin; 1 ¾" spacing, flat	\$185.00	\$203.50
SBB25	Seeker Twin; 1 ¾" spacing, flat with bolts	\$187.00	\$205.70
SB5280	Seeker Twin; Morris Contour 2	\$185.00	\$203.50
SBB28	Seeker Twin; Morris Contour 2 with bolts	\$187.00	\$205.70

Boots – Single Offset

SB5110	Seeker Offset; 1 ¾" spacing, curved	\$120.00	\$132.00
SBB11	Seeker Offset; 1 ¾" spacing, curved with bolts	\$122.00	\$134.20
SB5130	Seeker Offset; 2 ¼" spacing, curved	\$120.00	\$132.00
SBB13	Seeker Offset; 2 ¼" spacing, curved with bolts	\$122.00	\$134.20
SB5150	Seeker Offset; 1 ¾" spacing, flat	\$120.00	\$132.00
SBB15	Seeker Offset; 1 ¾" spacing, flat	\$122.00	\$134.20

Other Spare Parts for NT11 Seeker Boots



SF5420



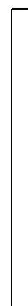
PA5610



PA5620



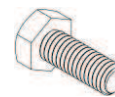
SL5510



SL5520



PC10S



BO6M16S/BO6M10S

SF5420	Seeker Fertiliser Boot	\$ 42.00	\$ 46.20
SFB5420	Seeker Fertiliser Boot with bolts	\$ 44.00	\$ 48.40
PAB5610	Pipe Adaptor for 28 I/D or 35 O/D Hose with M6 bolt	\$ 6.00	\$ 6.60
PAB5620	Pipe Adaptor for 32 I/D Hose with M6 bolt	\$ 4.00	\$ 4.40

Liquid Fertiliser Parts

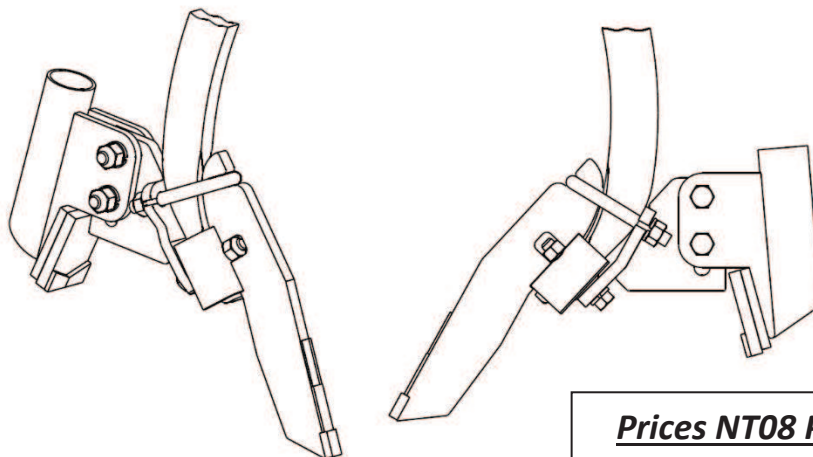
SL5510	Liquid Casing 10mm x 80mm long, shaped	\$ 5.00	\$ 5.50
SL5520	Liquid Casing 10mm x 130mm long, straight	\$ 5.00	\$ 5.50
PC10S	P clamp, 10mm, stainless	\$ 2.00	\$ 2.20
BO6M16S	Bolt 6mm x 16mm, stainless	\$ 0.50	\$ 0.55
BO6M10S	Bolt 6mm x 10mm, stainless	\$ 0.50	\$ 0.55

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NT08 POINT & BOOT KITS

NT08 series Kits are for Single Bolt Tines and include Point, Boot, Bracket, Bolt & Nuts. These Kits are standard with 12mm Point and 40mm Closer Plate on Single System Boot but has the option of other Boots. (See Page 26)



Prices NT08 Point & Boot Kit

	<i>Exc</i>	<i>Inc</i>
Standard Kit	\$153.00	\$168.30

For other Boot options and price differences please refer to page 26

Part No

PBB812154 # NT08 Alfarm 530 / 630; 40mm Boot

PBB822254 # NT08 Forward/Chamberlain 275 / 946/ 753 / 853; 40mm Boot

PBB842454 # NT08 Shearer 580 / 620; 40mm Boot

PBB862654 # NT08 Forward / John Deere / International Scarifier, Chamberlain Terramaster; 40mm Boot

For tynes not listed above, contact Agmaster.

Soft Tip Option: A softer tip on the point for extremely rocky conditions is available for NT08 Kits identified above with #. These are identified by the point being painted **Red**. To order this option an "R" needs to be added to the part number. There is no price difference for "Red" points.

Example: A NT08 Chamberlain 753 Kit with soft (red) points will be **PBB822234R**

NT08 BOOT & BRACKET KIT (NO POINT)

Suitable for NT03/NT08 series Agmaster Points. These assemblies include Bracket, Boot, U-bolt around tyne and all bolts and nuts.

For Part No. change prefix to BRB and remove first 2 numbers i.e. Boot & Bracket Kit for Shearer 580/620 would be **BRB2454**

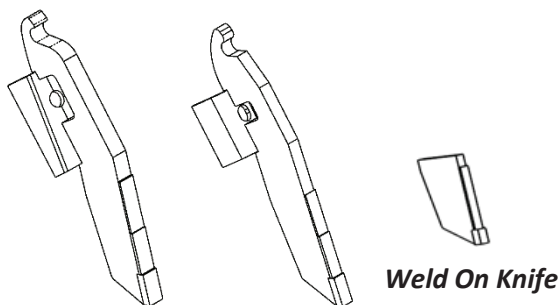
Price \$97.00 exc \$106.70 inc

For replacement parts for these kits please refer to pages 40 - 41

NT08 SEEDING KIT REPLACEMENT PARTS

POINTS (Fabricated)

NT08 Series – 12mm Points - Uses M12 U-Bolt to secure top of point



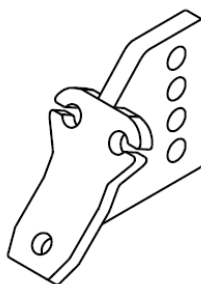
				<u>Prices</u>	
				<i>Exc</i>	<i>Inc</i>
PT1810	#	*	Alfarm 530 / 630	\$ 56.00	\$ 61.60
PT1820	#	*	Forward/Chamberlain 270 / 753 / 846 / 853	\$ 56.00	\$ 61.60
PT1830		*	Gason Round Shoe <i>(Obsolete after stock exhausted)</i>	\$ 56.00	\$ 61.60
PT1840	#	*	Shearer 580 / 620	\$ 56.00	\$ 61.60
PT1850		**	Connershea Scari <i>(Obsolete after stock exhausted)</i>	\$ 56.00	\$ 61.60
PT1860	#	**	John Deere / International Scari	\$ 56.00	\$ 61.60
PT1865	#	**	John Deere / International Scari (16mm)	\$ 69.00	\$ 75.90
PT1870		**	Shearer Scari	\$ 56.00	\$ 61.60
PT1890	#	****	HBSTM 16mm <i>(Obsolete after stock exhausted)</i>	\$ 87.00	\$ 95.70
PT1930	#		Weld On 12mm knife for self-repair	\$ 42.00	\$ 46.20

Bolts & U-bolts:

- * Uses 7/16" x 2½" Bolt & Nut (Part # BNW716212) through the tyne + 1x U-bolt & Nuts (Part # UBN2004)
- ** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tyne + 1x U-bolt & Nuts (Part # UBN2003)
- **** Uses 9/16" x 3" Bolt & Nut through the tyne *(Agmaster does not stock)*

Soft Tip Option: A softer tip on the point for extremely rocky conditions is available for NT08 points identified above with #. These are identified by the point being painted **Red**. To order this option an "R" needs to be added to the part number. There is no price difference for "Red" points.

BRACKETS:



BR2210 – BR2270

BR2210	*	Bracket	Alfarm 530 / 630	\$37.00	\$40.70
BR2220	*	Bracket	Forward/Chamberlain 270/ 753 /846 /853	\$37.00	\$40.70
BR2240	*	Bracket	Shearer 580 / 620	\$37.00	\$40.70
BR2250	**	Bracket	Connershea Scari	\$37.00	\$40.70
BR2260	**	Bracket	John Deere / International Scari	\$37.00	\$40.70
BR2270	**	Bracket	Shearer Scari	\$37.00	\$40.70

* Uses UBN2004 - U-Bolt M12, 90 x 25, with Nuts & Washers

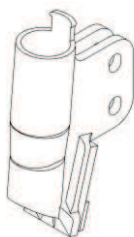
** Uses UBN2003 - U-Bolt M12, 110 x 25, with Nuts & Washers

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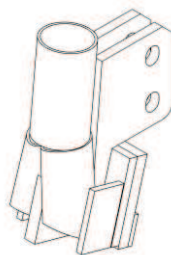
BOOTS

BT2540



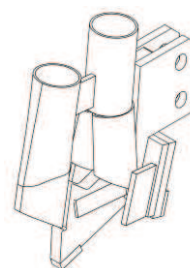
Standard Single-Shoot Boot
40 or 50mm Closer

BT2370



"Y" Tube Single-Shoot Boot
65mm Closer

BT2390



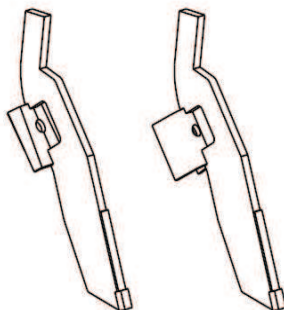
Dual Shoot Boot
65mm Closer

Part No		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
BT2540	40mm Closer Single System recommended for use with 12mm Point	\$ 55.00	\$ 60.50
BT2550	50mm Closer Single System recommended for use with 16mm Point	\$ 55.00	\$ 60.50
BT2370	65mm Closer with 'Y' Tube	\$ 95.00	\$104.50
BT2380	65mm Closer with Side-by-Side Tubes. <i>Obsolete when stock exhausted</i>	\$ 95.00	\$104.50
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following	\$140.00	\$154.00
BT2399	Split Fert Knife Weld-on	\$ 20.00	\$ 22.00
BT2398	Split Boot Side Pipe Protectors hardfaced.	per set \$ 10.00	\$ 11.00

For replacement closer plates for these boots please refer to page 36

NT03 Series Replacement Parts

POINTS



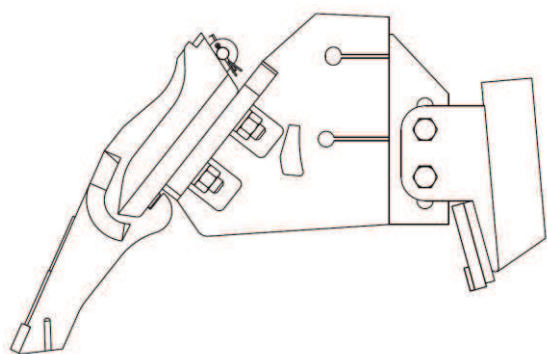
Part No		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
NT03 Series - 12mm Points - Uses 25 x 5 Flat Bar strap to secure top of point			
PT1320	* Forward/Chamberlain 270/753/846/853 (<i>Obsolete when stock exhausted</i>)	\$ 56.00	\$ 61.60
PT1340	* Shearer 580 / 620 (<i>Obsolete when stock exhausted</i>)	\$ 56.00	\$ 61.60
* Uses 7/16" x 2½" Bolt & Nut (Part No. BNW716212) through the tine			
** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tine			

CONCORD POINT & BOOT KITS

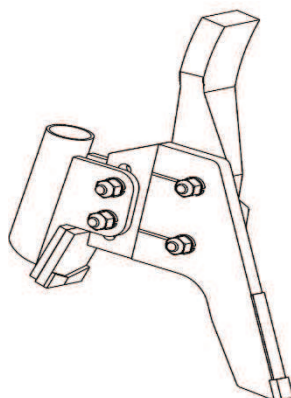
There are two options of kits for Concord Side-Mounted tyres.

The NT11 Converter Kit uses a bracket to allow NT11 points & boots to be mounted to it. This allows for a variety of NT11 slip-on points as options as well as NT11 boots.

The NT05 Bolt-On kit has a 16mm single piece bolt-on point that is fixed directly to the tyne. An NT11 boot is then bolted to the back of the point.



NT11 Concorde Converter Kit



NT05 Bolt-On Kit

Part No

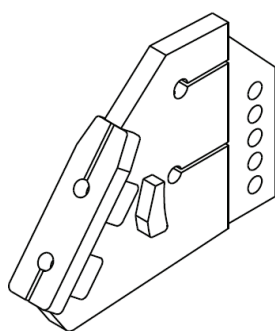
Prices

		<i>Exc</i>	<i>Inc</i>
PHB161655	NT11 16mm Concorde Converter Kit with 50mm Closer	\$211.00	\$232.10
PTB5655	NT05 16mm point, Concorde Bolt on Kit with 50mm Closer	\$171.00	\$188.10

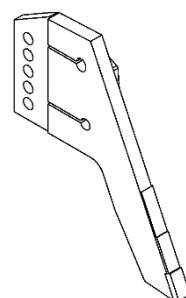
Soft Point Option: A softer tip on the points for extremely rocky conditions is available. These are identified by the point being painted **Red**. To order this option an "R" needs to be added to the part number.

For replacement Points, Holders & Boots for NT11 kits please refer to pages 28 & 34 - 35

Replacement Parts for Concorde Point & Boot Kits



BR2160



PT1560

		<i>Exc</i>	<i>Inc</i>
BR2160	Bracket Concorde Converter to NT11	\$80.00	\$ 88.00
PT1560	** NT05 Point Concorde Side Mount	\$105.00	\$115.50

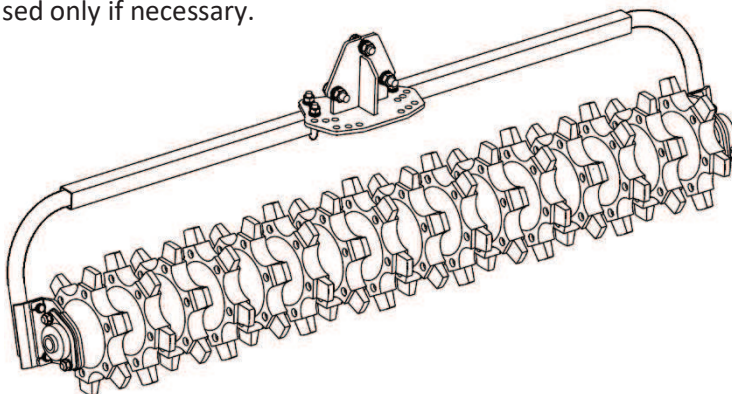
** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tyne

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HARROWS

Star Harrow Gangs

The Rotary Star Harrows are available in 4ft, 5ft and 6ft coverage gangs. Each gang will cover its respective width at the maximum working angle (30°). In general, most harrows are set in mid range of adjustment for angle, hence there is usually ample to suit the required width of cover. 4ft and 5ft Gangs give a more even finish and 6ft gangs are recommended to be used only if necessary.

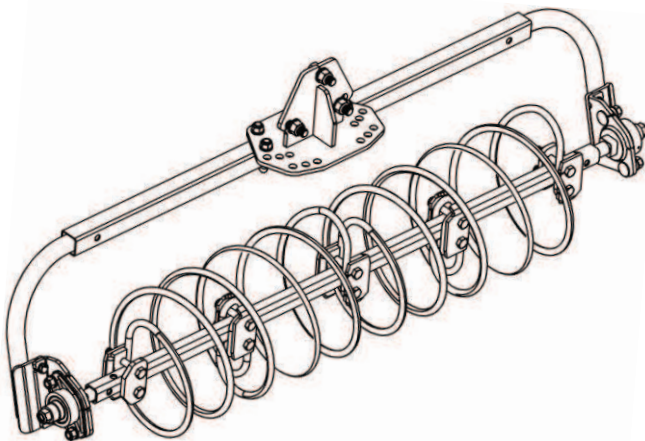


Part No		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
HAT24	4ft Gang (HA3240 – 10 Stars) with Turntable	\$1070.00	\$1177.00
HAT25	5ft Gang (HA3250 – 13 Stars) with Turntable	\$1270.00	\$1397.00
HAT26	6ft Gang (HA3260 – 16 Stars) with Turntable	\$1470.00	\$1617.00

Order TAS-- Arms with these Harrows ([page 44](#))

Coil Harrow Gangs

Coil Harrows are available in 4ft and 5ft coverage gangs



HAT74	4ft Gang (HA3740 – 3 springs) with Turntable	\$1070.00	\$1177.00
HAT75	5ft Gang (HA3750 – 4 springs) with Turntable	\$1270.00	\$1397.00

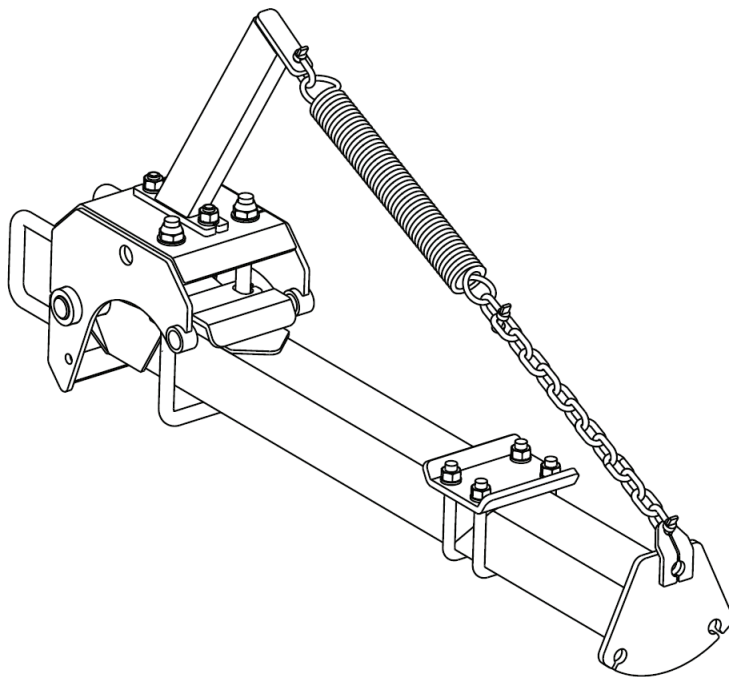
Order TAH-- Arms with these Harrows ([page 44](#))

If ordering for use with other than Agmaster Telescopic Arms also order mounting plate **XTA3132** \$ 12.00 \$ 13.20

For replacement parts for these gangs please refer to [pages 45 - 47](#)

TELESCOPIC MOUNTING ARMS

Telescopic Harrow Arms come complete with Spring Kit on the top, bolts, nuts and backing plates to mount on the machine frame. One Arm required for each Harrow Gang.



		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
Tele Arms to suit Star Harrows			
TAS04	Telescopic Arm Kit to suit 100 x 100mm frame	\$725.00	\$797.50
TAS05	Telescopic Arm Kit to suit 75 x 75mm frame	\$725.00	\$797.50
TAS08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$725.00	\$797.50
TAS00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$725.00	\$797.50

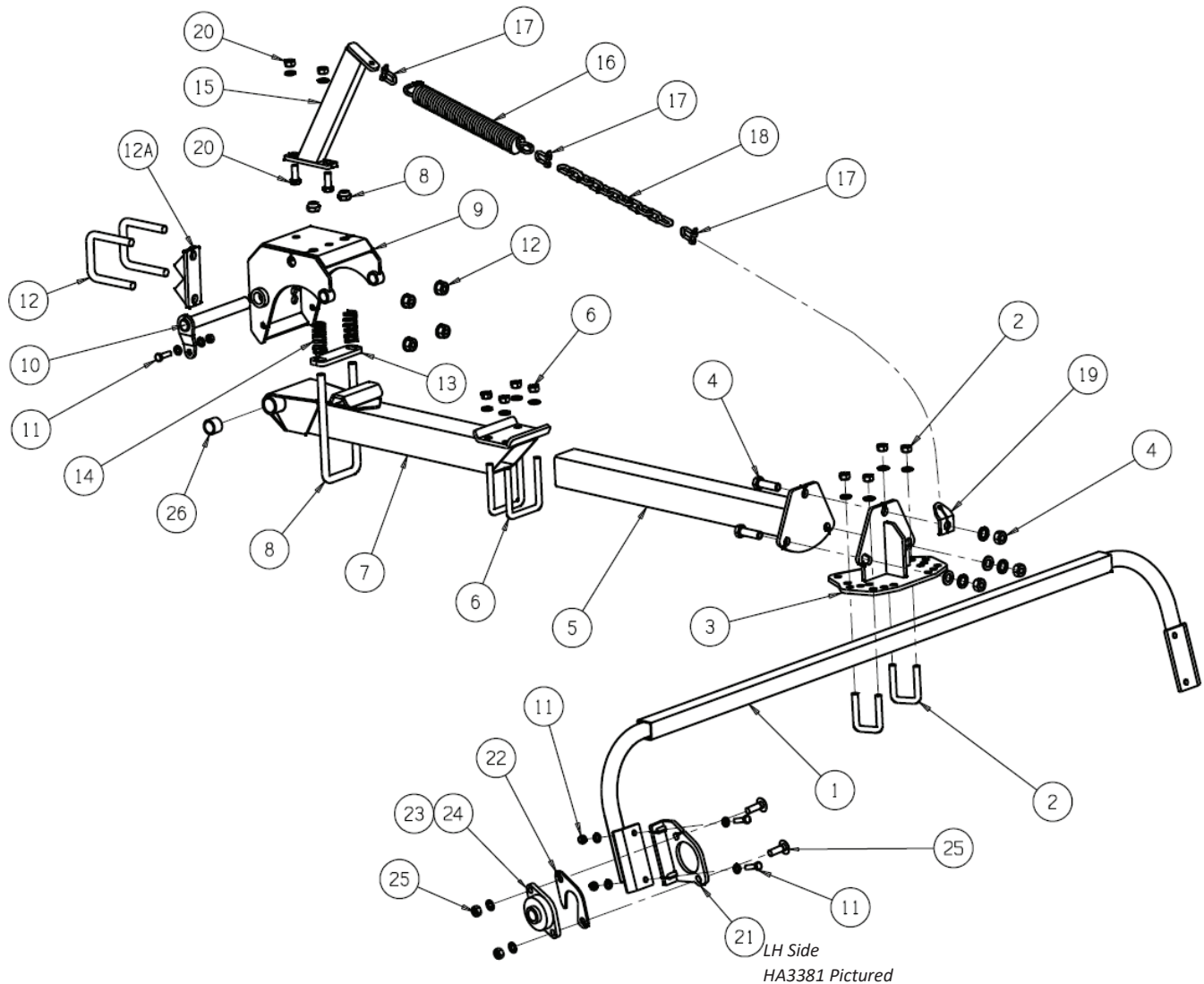
Tele Arms to suit Coil Harrows - comes with stronger spring for heavier coil gangs

TAH04	Telescopic Arm Kit to suit 100 x 100mm frame	\$725.00	\$797.50
TAH05	Telescopic Arm Kit to suit 75 x 75mm frame	\$725.00	\$797.50
TAH08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$725.00	\$797.50
TAH00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$725.00	\$797.50

For replacement parts for these please refer to pages 45 - 46

HARROW COMPONENTS

TELE ARMS/TURNTABLE/GANG FRAME



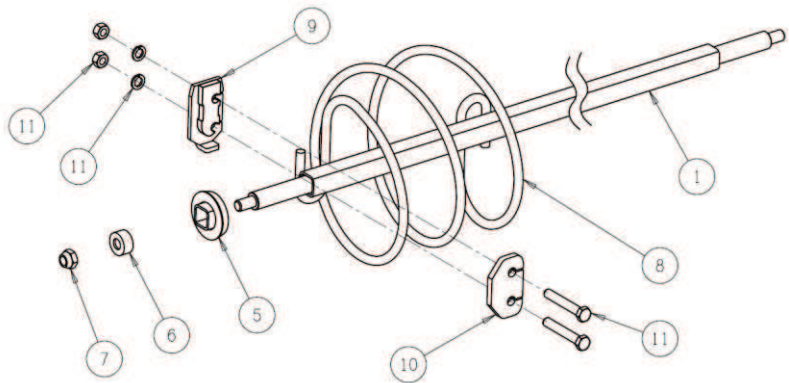
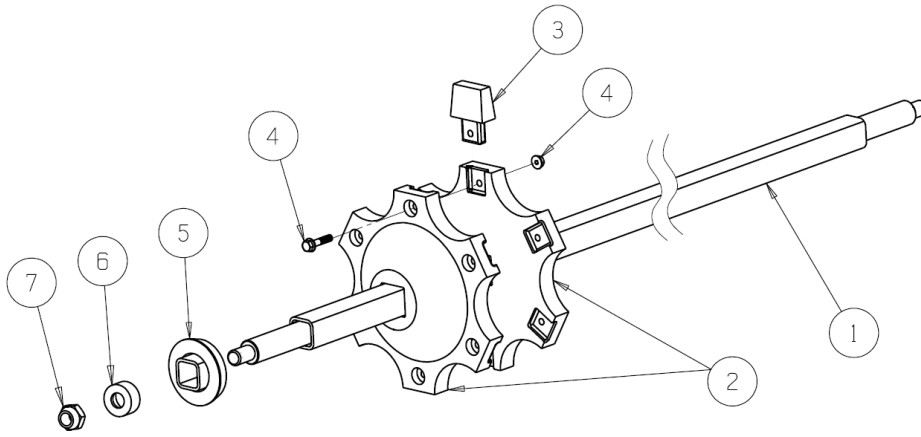
Ref	Part No	Description	Qty	Remarks	Prices	
					Exc	Inc
1	HA3340	4' U Frame	1		\$170.00	\$187.00
	HA3350	5' U Frame	1		\$190.00	\$209.00
	HA3360	6' U Frame	1		\$210.00	\$231.00
2	UBN3003	U Bolt – M16, Nut & Washer	2		\$ 10.00	\$ 11.00
3	HA3310	Turntable	1		\$120.00	\$132.00
4	BNW20M60	Bolt – M20 x 60, Nut & Washer	3		\$ 5.00	\$ 5.50
5	TA3130	Inner Arm	1		\$ 90.00	\$ 99.00
6	UBN3002	U Bolt – M16, Nut & Washer	2		\$ 15.00	\$ 16.50
7	TA3120	Outer Arm	1		\$240.00	\$264.00
8	UBN3001	U Bolt – M20, Nut & Washer	1		\$ 30.00	\$ 33.00
9	HS3030	Headstock	1		\$210.00	\$231.00
10	HS3040	Pivot Pin	1		\$ 20.00	\$ 22.00
11	BNW12M40	Bolt – M12 x 40, Nut & Washer	5		\$ 2.00	\$ 2.20
12	UBN3004	UBolt M20 – <i>Supersedes HS3060</i>	2	for 100 mm Square RHS	\$ 20.00	\$ 22.00
	BNW20M120	Bolt – M20 x 120, Nut & Washer	4	for 75 mm Square RHS	\$ 8.00	\$ 8.80
	UBN3006	U-Bolt Bolt M20 x 170	2	Used with RHS Set on diagonal	\$ 22.00	\$ 24.20
12a	HS3070	Clamp Plate with BNW20M120	2	for 75mm Square RHS	\$ 10.00	\$ 11.00
	HS3080	Clamp Plate used with UB3006	2	Used with RHS set on diagonal	\$ 15.00	\$ 16.50
13	HS3090	Spring Plate	1	(Not used on Combines)	\$ 8.00	\$ 8.80
14	SP3011	Spring	2	(Not used on Combines)	\$ 5.00	\$ 5.50

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Ref	Part No	Description	Qty	Remarks	<u>Prices</u>	
					<i>Exc</i>	<i>Inc</i>
15	HK3610	Spring Arm	1		\$50.00	\$55.00
16	SP3012	Spring 350 long	1		\$30.00	\$33.00
	SP3013	Spring 460 long for Coil Harrows	1		\$40.00	\$44.00
17	SH10D	Shackle	3		\$ 2.50	\$ 2.75
18	CH8X500	Chain 500mm long	1		\$10.00	\$10.10
19	HK3620	Lifting Lug	1		\$ 5.00	\$ 5.50
20	BNW16M40	Bolt – M16 x 40	2		\$ 3.00	\$ 3.30
21	HA3370	Brace/Bearing RH Assembled	1	Includes 21a,22,23,24,25	\$70.00	\$77.00
	HA3380	Brace/Bearing LH Assembled	1	Includes 21b,22,23,24,25	\$70.00	\$77.00
21a	HA3371	Bracket – RH	1		\$35.00	\$38.50
21b	HA3381	Bracket – LH (shown)	1		\$35.00	\$38.50
22	HA3372	Spacer plate	2		\$ 5.00	\$ 5.50
23	BE114UCR3	Bearing – UC207-20R3	2	Triple Lip Seal	\$15.00	\$16.50
24	BE114FL	Flanged housing – 1 1/4" F207	2		\$ 10.00	\$11.00
25	BON16M50CUP	Cup Head Sq Bolt M16 x 50 & Nut	4		\$ 5.00	\$ 5.50
26	XTA3123	Tele Arm Outer Bush	2	Nyaltron Insert	\$ 5.00	\$ 5.50

STARS, COILS & AXLES

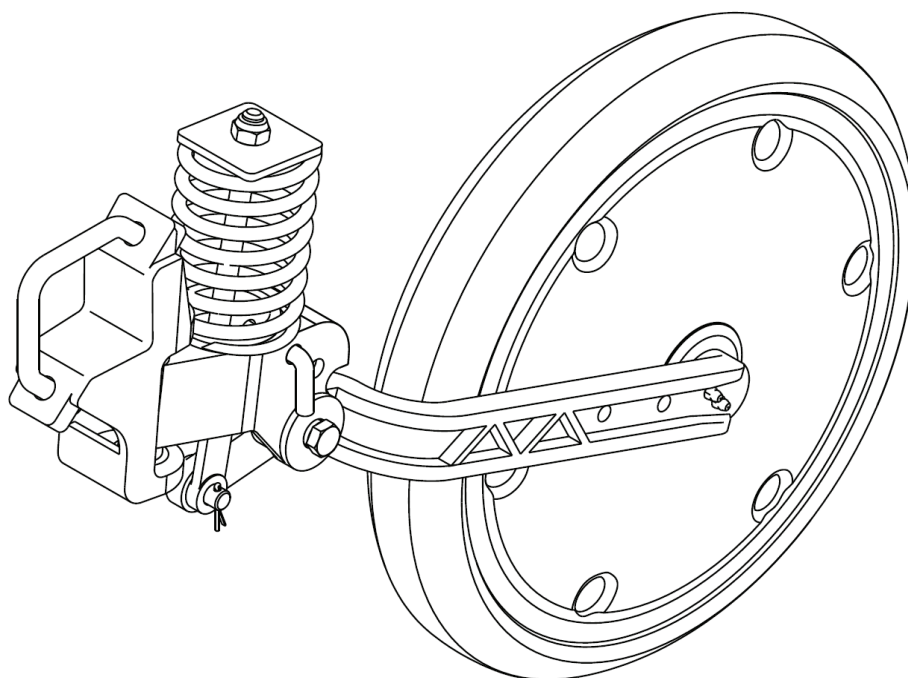


Ref	Part No	Description	Qty	Remarks	<u>Prices</u>	
					Exc	Inc
1	HA3440	4ft Axle	1		\$120.00	\$132.00
	HA3450	5ft Axle	1		\$130.00	\$143.00
	HA3460	6ft Axle	1		\$140.00	\$154.00
2	HA3510	Star Half	2 per star		\$ 20.00	\$ 22.00
3	HA3520	Star Tip	6 per star		\$ 4.50	\$ 4.95
	HA3520x100	Star Tips - box of 100			\$400.00	\$440.00
4	BON8M35F	Bolt 8M x 35mm flanged & Nut	6 per star		\$ 0.60	\$ 0.66
	HA3500	Harrow Star Assembled	1	Items 2, 3, 4 Assembled 10 Stars per 4ft axle 13 stars per 5ft axle 16 stars per 6ft axle	\$ 62.00	\$ 68.20
5	HA3390	Slinger	2		\$ 20.00	\$ 22.00
6	HA3410	Sleeve	2		\$ 4.00	\$ 4.40
7	NU20MNY	Nut – 20mm Nylock	2		\$ 1.50	\$ 1.65
8	SP3701	Spring Harrow Coil	3	Springs per 4ft axle	\$135.00	\$148.50
			4	Springs per 5ft axle		
9	HA3710	Coil Clamp	6	per 4ft axle	\$ 15.00	\$ 16.50
			8	per 5ft axle		
10	HA3720	Coil Clamp End Plate	2	per gang	\$ 8.00	\$ 8.80
11	BON16M110	Bolt M16 x 110 ZP, Nuts	8	per 4ft axle	\$ 5.00	\$ 5.50
			10	per 5ft axle		

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PRESSWHEEL MODULES

Presswheel modules are supplied individually and include "V" bolt to secure to mounting bar.



Part No		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PWF50	Presswheel Flat 50mm Assembly	\$375.00	\$412.50
PWV70	Presswheel "V" 70mm Assembly	\$375.00	\$412.50
PWV95	Presswheel "V" 95mm Assembly	\$375.00	\$412.50
PWW100	Presswheel 'W' Shape 100mm Assembly	\$395.00	\$434.50

For tyre profile images please refer to the next page

SP4012	Optional Inner Spring 145 x 60 for extra down pressure	\$ 15.00	\$ 16.50
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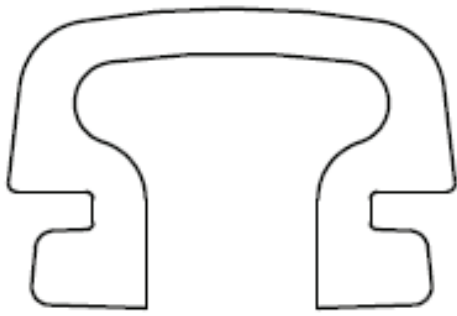
Presswheel Spacer For extra clearance between arm and wheel to assist in mud shedding

PW4440	Optional wheel to arm spacer	\$ 15.00	\$ 16.50
BO16M120	Corresponding bolt M16 x 120 for above spacer	\$ 4.00	\$ 4.40
For Presswheel modules ordered with spacer factory fitted add 'S' to above assembly part no's.		\$ 15.00	\$ 16.50
E.g. 70mm V tyre profile with spacer would be PWV70S		\$390.00	\$429.00

For replacement parts for these kits please refer to pages 54 - 57

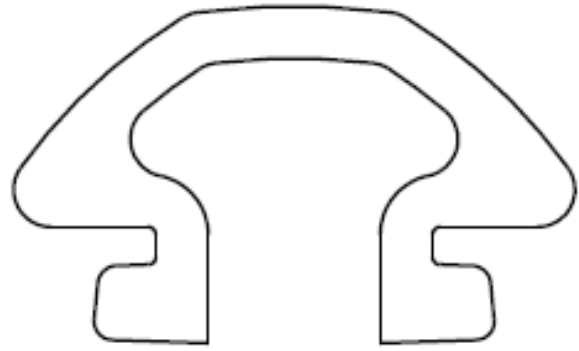
TYRE PROFILES

SEMI PNEUMATIC TYRE PROFILES (Actual Size on A4)



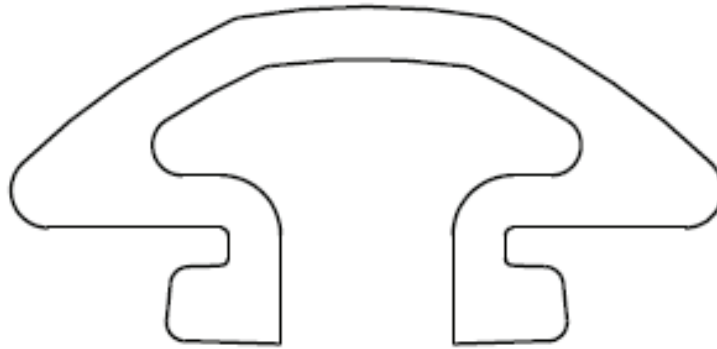
50 mm Flat Tyre

Crumbles side of narrow slot



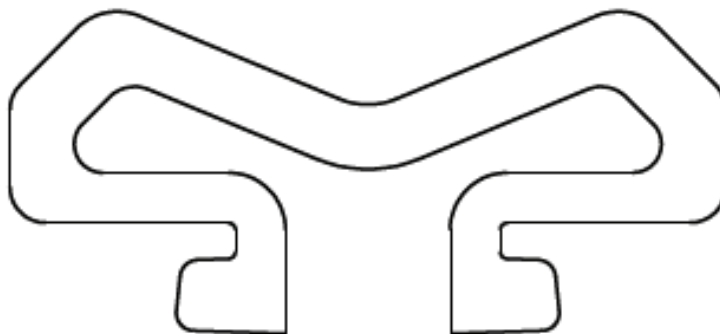
70 mm "V" Tyre

General purpose in mixed soil types



95 mm "V" Tyre

Wide press on light sand soils

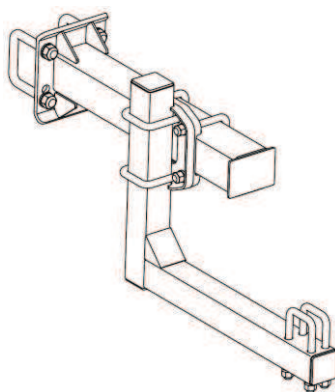


100 mm W Tyre

For use with paired-row seeker boots

Fixed Extension Arm

These Kits bolt onto rear frame of the machine and provide an adjustable position for the mount bar to which the Presswheel bolts. Supplied with all bolts, nuts and U Bolts.

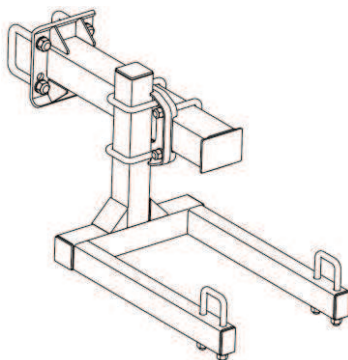


Part No			<u>Price</u>	
			<i>Exc</i>	<i>Inc</i>
FEO04	Fixed Extension Arm	Suits 100 x 100 frame	\$450.00	\$495.00
FEO05	Fixed Extension Arm	Suits 75 x 75 frame	\$450.00	\$495.00
FEO08	Fixed Extension Arm frame (shearer)	Suits 75 x 75 diamond	\$450.00	\$495.00
FEO00	Fixed Extension Arm	To fit in front of existing Agmaster Harrows	\$450.00	\$495.00

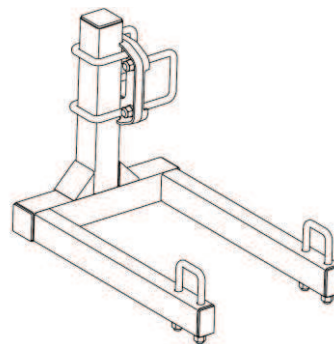
Requires XFE4032 Rear Mount Plate on end of FE4030 Main Arm for \$15 ea

Fixed Extension Arm With Double Outrigger

For short sections of Folding Machines ie. 7ft or less with a maximum 10 Presswheel Modules. Typically used on outer wings of Double Fold Machines



FEDxx



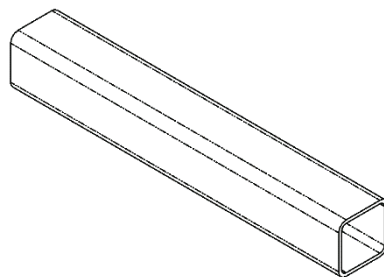
FEL4015

Part No				
FED04	Fixed Extension Arm with Double Outrigger	Suits 100 x 100 frame	\$600.00	\$660.00
FED05	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 frame	\$600.00	\$660.00
FED08	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 diamond frame (Shearer)	\$600.00	\$660.00
FED00	Fixed Extension Arm with Double Outrigger	To fit in front of Agmaster Harrows	\$600.00	\$660.00
FEL4015	Double Outrigger for existing FE4030 or Harrow Tele Arm		\$350.00	\$385.00
	(If using FEL4015 on Harrow Tele Arm also buy HS3050 x 1, PI8L x 2) Per set HSP3050		\$ 16.00	\$ 17.60

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Mounting Bar



Part No

RH65654 x length e.g.: **RHS 65mm x 65mm x 4mm**
Duragal – cut and capped

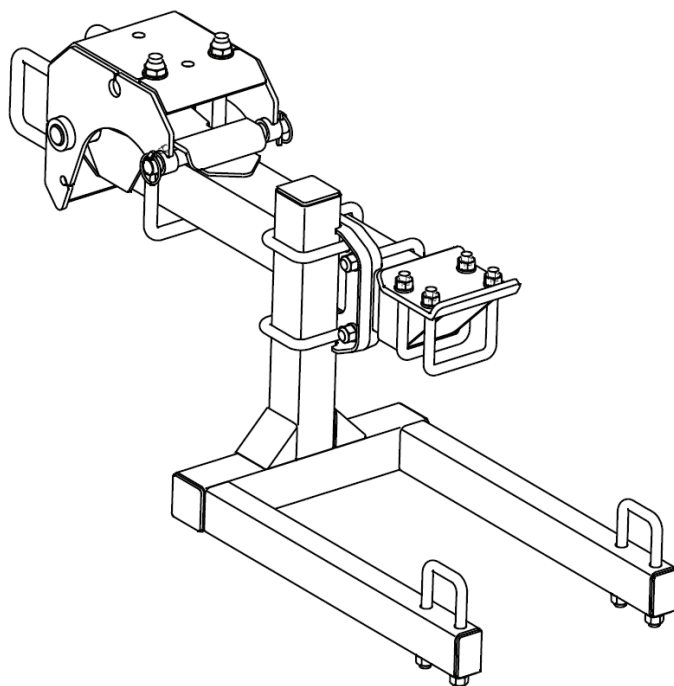
	<u>Price</u>	
	<i>Exc</i>	<i>Inc</i>
<i>per metre</i>	\$45.00	\$49.50

NOTE: Agmaster will only supply RHS to customers collecting from Welshpool Warehouse due to freight issues with such long parts. All other customers to source locally

CA65	Cap 65mm Square Insert	\$10.00	\$11.00
	These plastic knock-in caps enclose the end of the above RHS (Included in mounting bar price)		

Telescopic Extension Arm

These kits are used when there is a requirement to interchange Presswheels and Harrows into the same tele arm arrangement.

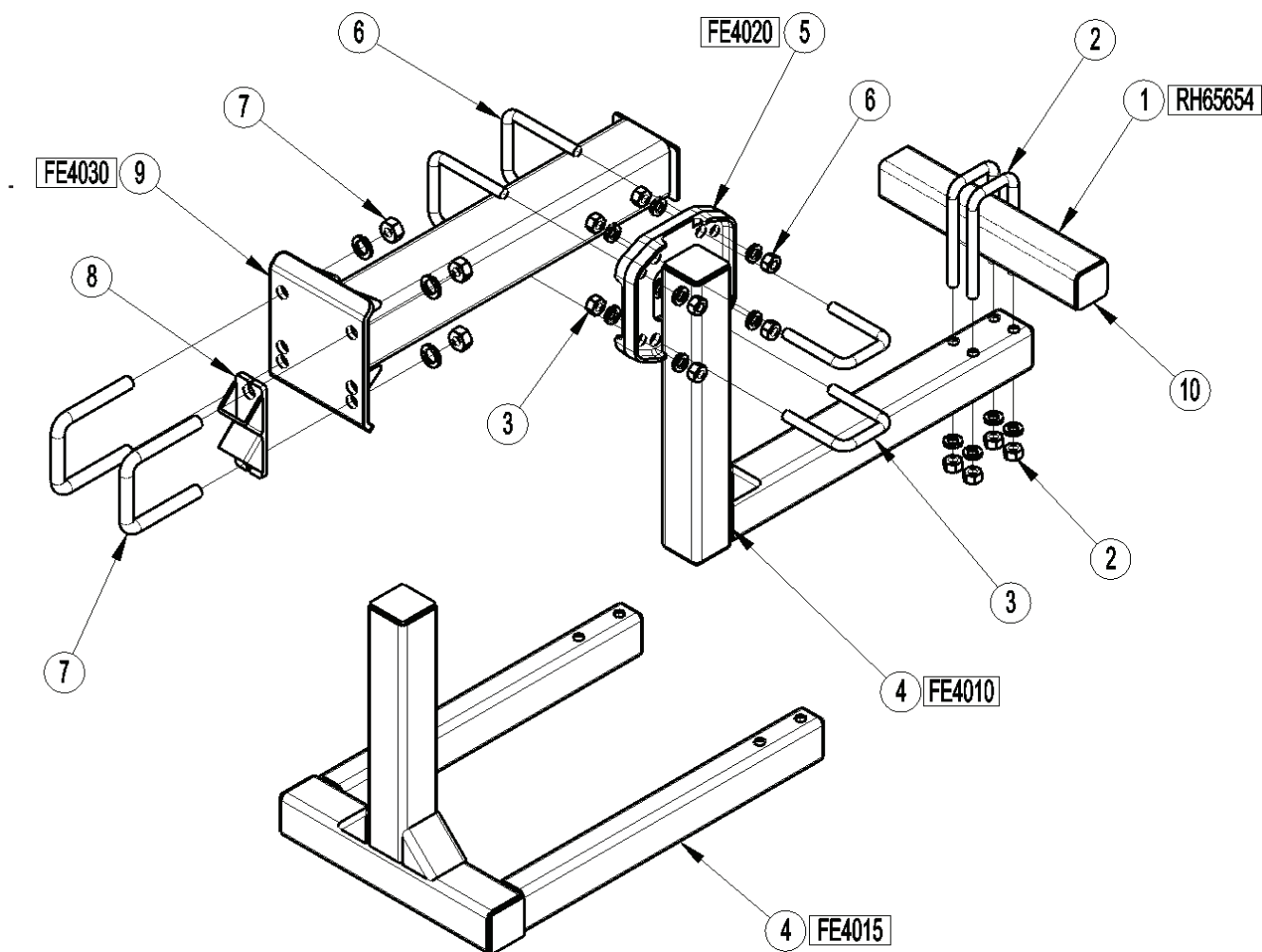


		<u>Price</u>	
		<i>Exc</i>	<i>Inc</i>
TPO04	Telescopic Arm Presswheel Extension & Outrigger, 100 x 100 frame	\$1075.00	\$1182.50
TPO05	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 frame	\$1075.00	\$1182.50
TPO08	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 diamond frame	\$1075.00	\$1182.50
FEL4015	Double Outrigger for existing FE4030 or Harrow Tele Arm (see diagram pg51)	\$350.00	\$ 385.00
	(If using FEL4015 on Harrow Tele Arm also buy HS3050 x 1, PI8L x 2) Per set HSP3050	\$ 16.00	\$ 17.60

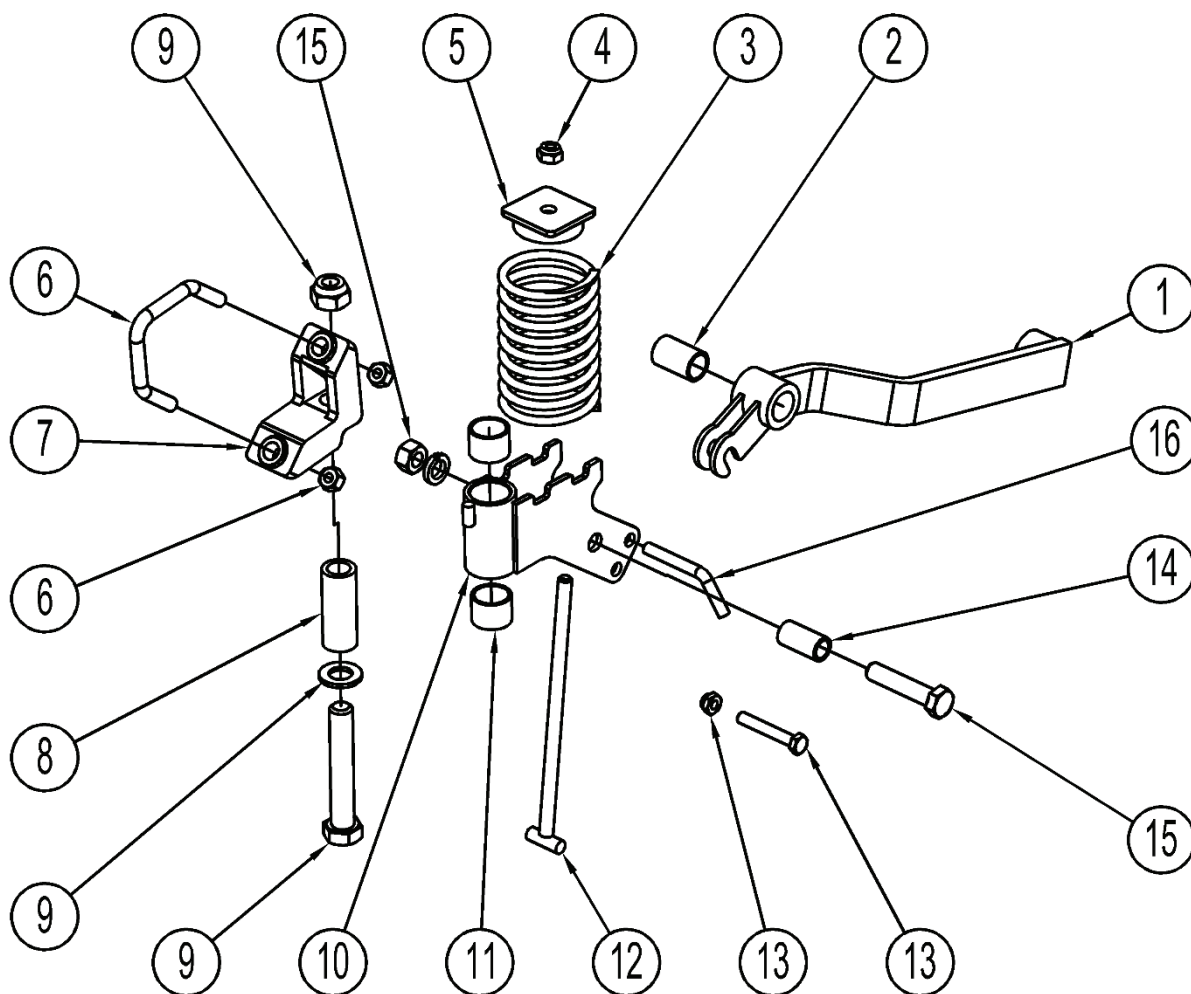
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PRESSWHEEL COMPONENTS

FIXED EXTENSIONS



Ref	Part No	Description	Qty	Remarks	Prices	
					Exc	Inc
1	RH65654	RHS 65 mm x 65 mm x 4 mm	AR	length to suit	\$ 45.00/mtr	\$ 49.50/mtr
2	UBN4002	U Bolt – M16, Nuts & Washers	2		\$ 10.00	\$ 11.00
3	UBN4003	U Bolt – M16, Nuts & Washers	2		\$ 10.00	\$ 11.00
4	FE4010	L Frame	1		\$140.00	\$154.00
or	FE4015	Double L Frame	1	refer page 51 for reference	\$290.00	\$319.00
5	FE4020	Clamp plate	1		\$ 35.00	\$ 38.50
6	UBN3002	U Bolt – M16, Nuts & Washers	2		\$ 15.00	\$ 16.50
7	UBN3004	UBolt - M20, Nuts & Washers	2	for 100 mm Square RHS	\$ 20.00	\$ 22.00
	UBN3005	UBolt – M20, Nuts & Washers	2	for 75mm Square RHS	\$ 20.00	\$ 22.00
	UBN3006	UBolt – M20, Nuts & Washers	2	for RHS set on diagonal	\$ 22.00	\$ 24.20
8	HS3080	Clamp Plate	2	for RHS set on diagonal	\$ 15.00	\$ 16.50
9	FE4030	Extension	1		\$220.00	\$242.00
10	CA65	Cap – 65mm Square Insert	2	to cap ends of Item 1	\$ 10.00	\$ 11.00



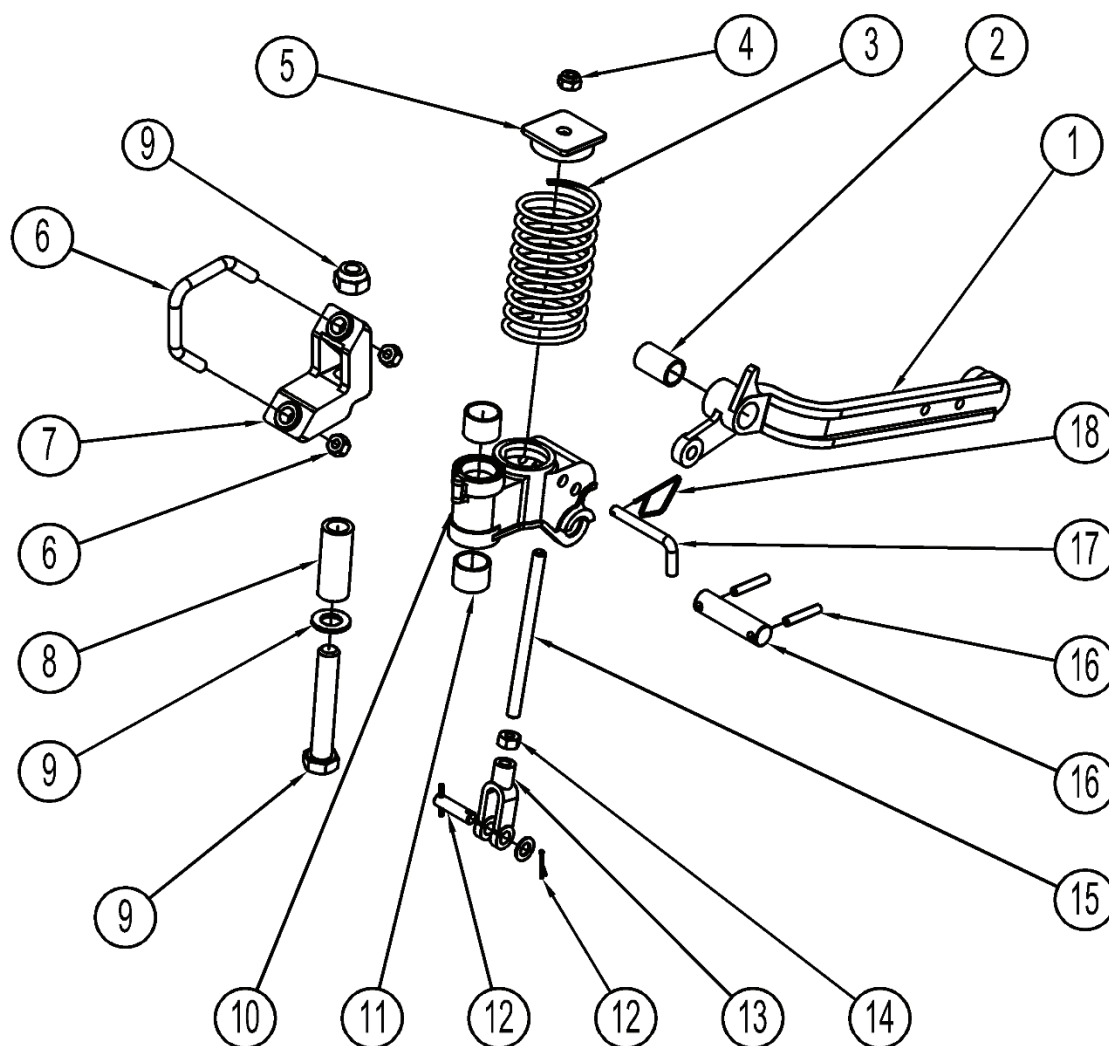
Note: This is for Presswheels up to 2002. This model has no seal. For 2003 onwards see following pages

Ref	Part No	Description	Qty	Remarks	<u>Prices</u>	
					Exc	Inc
1	PW4270	Jump Arm 2002	1	Obsolete	\$ ---	\$ ---
2	PW4276	Presswheel Jump Arm Bush 2002/03	1		\$ 4.00	\$ 4.40
3	SP4011	Spring 165 x 80	1		\$15.00	\$16.50
	SP4012	Optional Inner Spring 144 x 60	1		\$15.00	\$16.50
4	NU12MNY	Nylock Nut – M12	1		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 4.00	\$ 4.40
6	VBN4001	V Bolt M12 90x100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount 2002/03	1	Obsolete but Upgradable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 3.50	\$ 3.85
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$ 8.00	\$ 8.80
10	PW4260	Track Pivot 2002	1	Obsolete	\$ ---	\$ ---
11	PW4266	Track Pivot Bush 25 x 35 2002/03	2		\$ 4.00	\$ 4.40
12	PW4267	T Bolt M12 x 250	1		\$ 7.00	\$ 7.70
13	BON10M65	Bolt – M10 x 65, Nut	1	Not stocked by Agmaster	\$ ---	\$ ---
14	PW4275	Jump Arm Spacer 42 x 22 2002/03	1		\$ 2.50	\$ 2.75
15	BNW16M90	Bolt – M16 x 90, Nut, Washer	1		\$ 5.00	\$ 5.50
16	PW4590	Locking Pin	1		\$ 3.00	\$ 3.30
	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$55.00	\$60.50

See diagram page 61

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Note: This is for 2003 Model Presswheels. For 2004 model onwards see next page

Ref	Part No	Description	Qty	Remarks	Prices	
					Exc	Inc
1	PW4290	Jump Arm 2003 (takes seal SE36PR518)	1	Includes 1, 2	\$70.00	\$77.00
2	PW4276	Jump Arm Bush 41 x 27 2002/03	1		\$ 4.00	\$ 4.40
3	SP4011	Spring 165 x 80	1		\$15.00	\$16.50
	SP4012	Optional Inner Spring 144 x 60	1		\$15.00	\$16.50
4	NU12MNY	Nylock Nut – M12	1		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 4.00	\$ 4.40
6	VBN4001	V Bolt M12 90x 100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount	1	Obsolete but upgradable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 3.50	\$ 3.85
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$ 8.00	\$ 8.80
10	PW4280	Track Pivot Mount 2003	1	Includes 2 x Item 11 Obsolete when stock exhausted	\$70.00	\$77.00
11	PW4266	Track Pivot Bush 25 x 35 2002/03	2		\$ 4.00	\$ 4.40
12	PWS57	Clevis Pin, Split Pin	1		\$ 2.00	\$ 2.20
13	PW4560	Clevis Yoke	1		\$16.00	\$17.60
14	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
15	PW4550	Pressure Rod – M12	1		\$ 6.00	\$ 6.60
16	PWR4285	Jump Arm Pin 85 x 22 2003	1	Includes Roll Pins	\$ 5.00	\$ 5.50
17	PW4590	Locking Pin	1		\$ 3.00	\$ 3.30
18	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$55.00	\$60.50

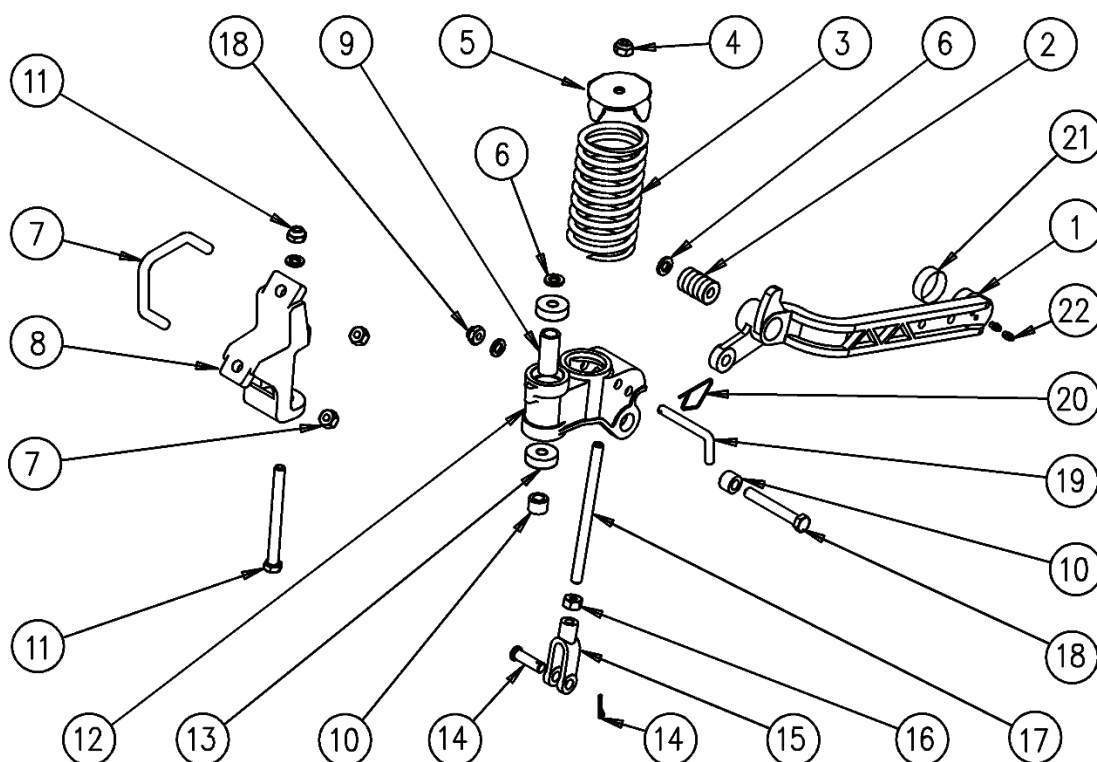
See diagram page 61

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PRESSWHEEL MODULE

2004 ONWARDS WITH BEARING TYPE PIVOTS



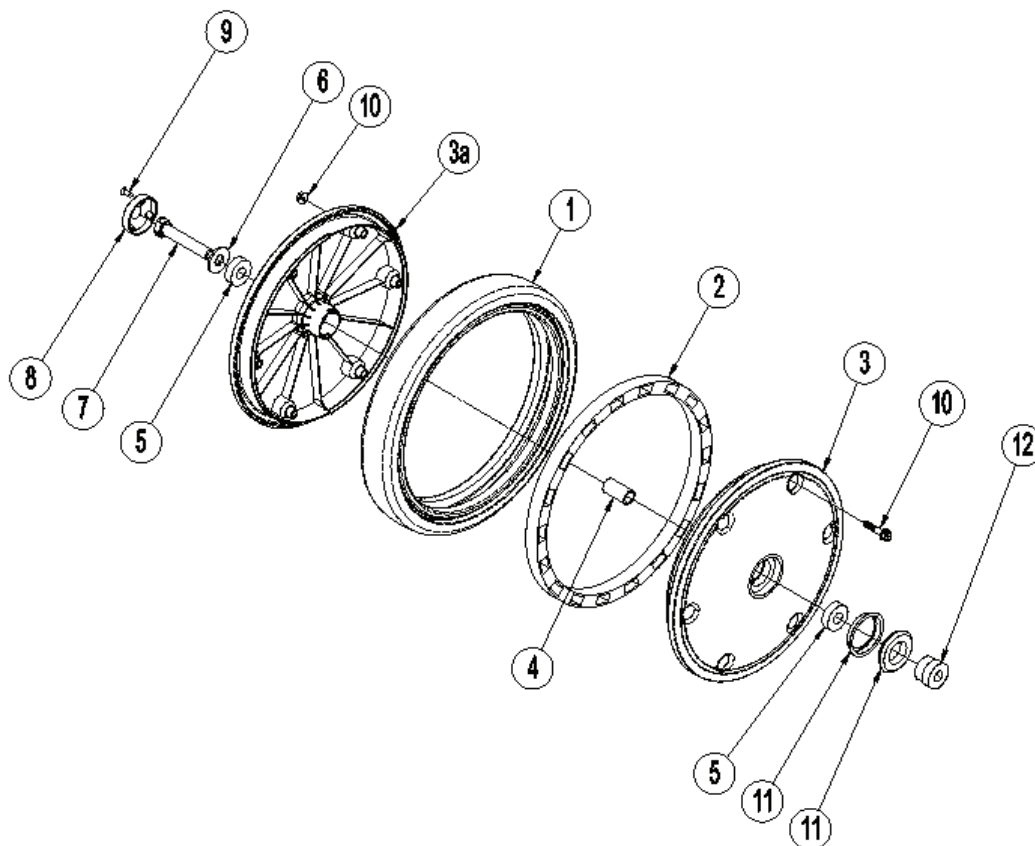
Note: This is 2004 onwards. See previous pages for earlier model parts

Ref	Part No	Description	Qty	Remarks	<u>Prices</u>	
					Exc	Inc
1	PW4420 OR PW4405	<u>Current</u> Jump Arm 2005 Onwards with Bearings Jump Arm <u>2004 Only Model</u> with Bearings & Sleeve	1	incl 1, 2, 22. Takes seal SE36P6641 incl 1, 2, 21. Takes seal SE36PR6518	\$80.00	\$88.00
2	BE1228	Bearing (6001-2RS)	5		\$ 2.00	\$ 2.20
3	SP4011	Spring 165 x 80	1		\$15.00	\$16.50
	SP4012	Optional Inner Spring 144 x 60	1		\$15.00	\$16.50
4	NU12MNY	Nylock Nut – M12	3		\$ 0.40	\$ 0.44
5	PW4580	Spring Cap	1		\$ 4.00	\$ 4.40
6	PW4460	Mount/Arm Washer 3 x 22	2		\$ 0.60	\$ 0.66
7	VBN4001	V Bolt M12, Nut & Washer	1		\$ 5.00	\$ 5.50
8	PW4450	Pivot Mount 2004	1		\$40.00	\$44.00
9	PW4480	Track Pivot Bearing Spacer	1		\$ 2.50	\$ 2.75
10	PW4470	Mount/Arm Spacer 15 x 22	2		\$ 0.90	\$ 0.99
11	BNW12M130	Bolt – M12 x 130, Nut & Washer	1		\$ 3.50	\$ 3.85
12	PW4500	Track Pivot with Bearings & Spacer	1	includes 9,12,13	\$60.00	\$66.00
13	BE1237	Bearing (6301-2RS)	2		\$ 3.00	\$ 3.30
14	PWS57	Clevis Pin, Split Pin	1		\$ 2.00	\$ 2.20
15	PW4560	Clevis Yoke	1		\$16.00	\$17.60
16	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
17	PW4550	Rod – M12	1		\$ 6.00	\$ 6.60
18	BNW12M85	Bolt – M12 x 85, Nut & Washer	1		\$ 2.50	\$ 2.75
19	PW4590	Locking Pin	1		\$ 3.00	\$ 3.30
20	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
21	PW4415	Seal Wear Sleeve	1	2004 Model only	\$ 4.00	\$ 4.40
22	GN6	Grease Nipple 6mm Stainless	2	2011 onwards Model only	\$ 0.50	\$ 0.55
	PWS55	Spring kit	1	includes 3,4,5,14,15,16,17	\$45.00	\$49.50
	PW4000	Presswheel Assembly – No Wheel	1	Not incl Item 7 and all items on P57	\$220.00	\$242.00

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PRESSWHEELS PARTS, RIMS, SEALS



Ref	Part No	Description	Qty	Remarks	<u>Prices</u>	
					Exc	Inc
1	PW4300	Tyre – 100mm ‘W’	1	Includes Item 2	\$100.00	\$110.00
	PW4310	Tyre – 70 mm V	1	Includes Item 2	\$ 80.00	\$ 88.00
	PW4320	Tyre – 95 mm V	1	Includes Item 2	\$ 80.00	\$ 88.00
	PW4330	Tyre – 50 mm flat	1	Includes Item 2	\$ 80.00	\$ 88.00
	PW4340	Tyre – 20mm wedge	1	Includes Item 2	\$100.00	\$110.00
2	PW4370	Spacer Ring	1		\$ 10.00	\$ 11.00
3	PW4350	Rim Half – Seal Side with bearing	1	This half has steel ring in it	\$ 34.00	\$ 37.40
3a	PW4360	Rim Half – Cap Side with bearing	1		\$ 26.00	\$ 28.60
4	PW4380	Bearing Spacer	1		\$ 2.50	\$ 2.75
5	BE1740	Bearing (6203-2RS)	2		\$ 4.00	\$ 4.40
6	WA16L	Washer M16 Lock Ribbed	1		\$ 1.00	\$ 1.10
7	BO16M90	Bolt – M16 x 90	1	Secures Wheel to Arm	\$ 4.00	\$ 4.40
8	PW4390	Cap	1	From 2003 – Takes 3 x SC825	\$ 4.00	\$ 4.40
	PW4251	Cap – Grey		Knock in type for 2002 model	\$ 4.00	\$ 4.40
9	SC825	Self tapping Screw	3	8 gauge x 25mm countersunk	\$ 0.20	\$ 0.22
10	BON8M35F	Bolt 8M x 35 Flanged, Nut	6 per rim		\$ 0.60	\$ 0.66
11	SE36P6641	Seal P6641 & Ring	1	From 2005 – use on PW4420 arm	\$ 5.00	\$ 5.50
	OR					
	SE36PR6518	Seal TC1.437	1	From 2003/04 – use on PW4290/PW4405 arm	\$ 4.00	\$ 4.40
	<i>Please note SE36PR5618 is a very uncommon seal, please check with Agmaster before ordering if not sure</i>					
12	PW4440	30 mm Clearance Spacer -optional	1	To increase clearance between tyre & arm for mud shedding	\$15.00	\$ 16.50
	BO16M120	Bolt M16 x 120mm	1	Required with above spacer PW4440 in place of BO16M90	\$ 4.00	\$ 4.40
	PW4200	100 mm ‘W’ wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$170.00	\$187.00
	PW4210	70 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$150.00	\$165.00
	PW4220	95 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$150.00	\$165.00
	PW4230	50 mm flat wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$150.00	\$165.00
	PW4240	20 mm wedge wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$170.00	\$187.00

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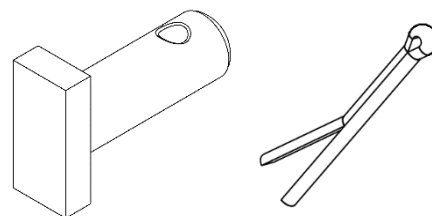
FASTENERS

PINS



Pin & R Clip

Fit Adjusta-Point on NT19 Series and
Multi-Boot Module on Morris Quantum,
Contour 2 & Bourgault Paralink



T Pin & Split Pin

Fit series NT07, NT09, NT11 points
& Sweep Adaptors

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
PIR41	12mm Pin 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
PIR45	12mm Pin 45mm & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
PI1241A	Pin 12mm x 41mm Square 2021	\$ 1.90	\$ 2.09
PI1245A	Pin 12mm x 45mm 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5 for PI12A	\$ 0.20	\$0.22
TSP	'T' Pin 10mm + Pin Split 4 x 25mm	\$ 1.50	\$1.65
TP1180	Pin 'T' Diameter 10mm	\$ 1.40	\$1.54
PI425S	Pin Split 4 x 25mm	\$ 0.20	\$0.22

BOLTS

BO6M10S	Bolt M6 x 10 – Pipe Adaptors and some stainless liquid casings	\$ 0.50	\$ 0.55
BO16M90	Bolt M16 x 90 Z/P - Presswheel	\$ 4.00	\$ 4.40
BO16M120	Bolt M16 x 120 Z/P - Presswheel	\$ 4.00	\$ 4.40

Other Bolts not shown are listed under "Bolt and Nut" sets or "Bolt, Nut and Washer" sets

WASHERS

WA16L	Washer M16 Lock Ribbed Zinc - Presswheel	\$ 1.00	\$ 1.10
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Other Washers not shown are listed under "Bolts, Nut and Washer" sets

BOLTS & NUTS (SETS)

BON6M16S	Bolt M6 x 16 Stainless, Nut – Liquid Kits	\$ 0.60	\$ 0.66
BON8M35F	Bolt M8 x 35 Flanged, Nut – Stars, Harrows	\$ 0.60	\$ 0.66

Other Bolts & Nuts not shown are listed under "Bolt, Nut and Washer" sets

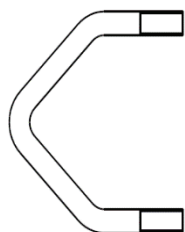
BOLTS, NUT & WASHERS (SETS)

BNW12112	Bolt ½" UNF x 1½", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW12134	Bolt ½" UNF x 1¾", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW122	Bolt ½" UNF x 2", Conelock Nut & 2 x Washers	\$ 2.50	\$ 2.75
BNW12212	Bolt ½" UNF x 2½", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW12214	Bolt ½ UNF x 2¼", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW12234	Bolt ½" UNF x 2¾" Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW123	Bolt ½ UNF x 3", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW12312	Bolt ½" UNF x 3½", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW7162	Bolt 7/16 x 2", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW716212	Bolt 7/16 UNF x 2½", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW716234	Bolt 7/16 UNF x 2¾", Conelock Nut & Washer	\$ 2.50	\$ 2.75
BNW12M40	Bolt M12 x 40, Nut & Washer	\$ 2.00	\$ 2.20
BNW12M55	Bolt M12 x 55, Nut & Washer	\$ 2.00	\$ 2.20
BNW12M85	Bolt M12 x 85 Z/P, Nut & Washer	\$ 2.50	\$ 2.75
BNW16M40	Bolt M16 x 40, Nut & Spring Washer	\$ 3.00	\$ 3.30
BNW16M55	Bolt M16 x 55, Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW20M60	Bolt M20 x 60, Nut, Spring Washer & Flat Washer	\$ 5.00	\$ 5.50
BNW20M120	Bolt M20 x 120, Nut & Spring Washer	\$ 8.00	\$ 8.80
BNW20M150	Bolt M20 x 150, Nut & Spring Washer	\$10.00	\$11.00
BNW20M170	Bolt M20 x 170, Nut & Spring Washer	\$12.00	\$13.20

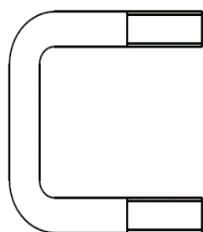
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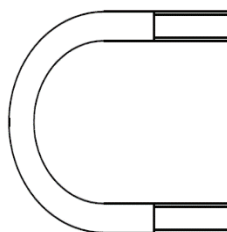
U - BOLTS



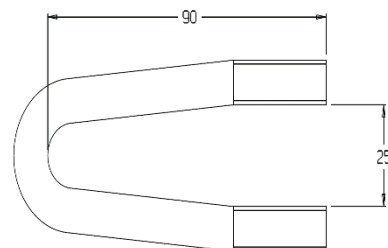
VBN4001
UBN3006



UBN1003 – UBN2002
UBN3001 – UBN4003*
* Excl UBN3006



UBN2007



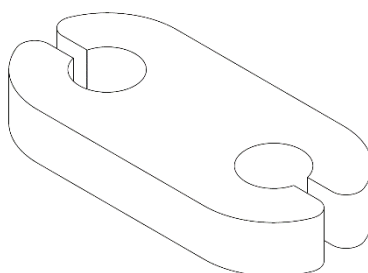
UBN2003 - UBN2004
Dimensioned

U BOLTS, NUTS & WASHERS (SETS)

		<u>Prices</u>	
		<i>Exc</i>	<i>Inc</i>
UBN1003	U Bolt M10,75 x 52, Nylock Nuts - Trashguards	\$ 4.00	\$ 4.40
UBN1004	U Bolt M10, 110 x 30, Nylock Nuts - Trashguards	\$ 4.00	\$ 4.40
UBN2001	U Bolt M12, 65 x 52, Nylock Nuts & Washers – NT11 Brackets	\$ 5.00	\$ 5.50
UBN2002	U Bolt M12, 90 x 30, Nylock Nuts & Washers – NT11 Brackets	\$ 5.00	\$ 5.50
UBN2003	U Bolt M12, 110 x 25, Nylock Nuts – NT08 Boot Brackets	\$ 5.00	\$ 5.50
UBN2004	U Bolt M12, 90 x 25, Nylock Nuts – NT08 Boot Brackets	\$ 5.00	\$ 5.50
UBN5611	U-Bolt M12, 80 x 52, Nylock Nuts – Adjusta-Point w Multi Boot & NT19	\$ 5.00	\$ 5.50
UBN5612	U-Bolt M12, 90 x 52, Nylock Nuts – Adjusta-Point w NT11 Seeker Boot	\$ 5.00	\$ 5.50
UBN5613	U-Bolt M12, 80 x 52 Bent, Nylock Nuts – Adjusta-Point w NT11 Boots	\$ 5.00	\$ 5.50
UBN2007	U Bolt M10, 77 x 55, Nylock Nuts & Washers – Flexi Boot	\$ 4.00	\$ 4.40
UBN3001	U Bolt M20, 290 x 105, Nylock Nuts & Washers - Harrows	\$30.00	\$33.00
UBN3002	U Bolt M16, 130 x 102, Nuts & Washers – Harrows/Presswheels	\$15.00	\$16.50
UBN3003	U Bolt M16, 80 x 52, Nuts & Washers - Harrows	\$10.00	\$11.00
UBN3004	U Bolt M20 135 x 102, Nuts & Washers – Harrows/Presswheels	\$20.00	\$22.00
<i>(for 100mm x 100mm)</i>			
UBN3005	U Bolt M20 110 x 77, Nuts & Washers – Harrows/Presswheels	\$20.00	\$22.00
<i>(for 75mm x 75mm)</i>			
UBN3006	U Bolt M20 150 x 122, Nuts & Washers – Harrows/Presswheels	\$22.00	\$24.20
<i>(for 75mm x 75mm diamond)</i>			
UBN4002	U Bolt M16, 166 x 67, Nuts & Washers - Presswheels	\$10.00	\$11.00
UBN4003	U Bolt M16, 105 x 77, Nuts & Washers - Presswheels	\$10.00	\$11.00
VBN4001	V Bolt M12, 90 x 100 ctr, Nuts & Washers - Presswheels	\$ 5.00	\$ 5.50

U BOLT BACKING PLATES

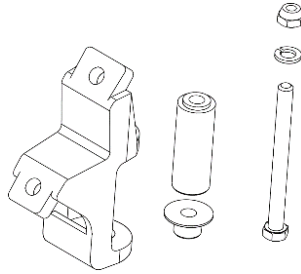
UB2005	M12 x 25mm U-Bolt Backing Plate <i>(Used with UB2003, UB2004 without Boot Assembly)</i>	\$ 3.00	\$ 3.30
UB5620	M12 x 52 U-Bolt Backing Plate <i>(Used with UB5612 on Adjusta-Point Holder w without Boot Assembly)</i>	\$ 3.00	\$ 3.30
TG1173	M10 x 30 U Bolt Backing Plate – used with UB1004	\$ 3.00	\$ 3.30
TG1175	M10 x 52 U Bolt Backing Plate – used with UB1003	\$ 3.00	\$ 3.30



Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers & prices

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UPGRADES



PWU45

Presswheel Mount Upgrade Pre 2004

Includes yoke style cast mounting, 2 adaptor
Bushes and pivot bolt

<u>Prices</u>	
<i>Exc</i>	<i>Inc</i>
\$ 55.00	\$ 60.50

MAINTENANCE TIPS

HARROWS

If tips are showing more wear on one end of the gang loosen the three bolts at the turntable, re-level to suit and re-tighten.

Grease axle bearings weekly – **do not** over grease as seals may pop.

PRESSWHEELS.

Pre Season:

- Any pivots and swivels that don't move freely need to be freed up and lubricated or replaced.
- Any bearings or seals that sound noisy or gritty when the wheel turns should be replaced or repacked with grease
- Any damaged seals must be replaced
- If fitting a new seal a smear of grease in the fins of the seal will help its performance.
- When replacing or rescrewing black hub cap, a smear of grease against the contact surface will assist in sealing

Post Season:

- If unable to store seeder bar undercover, remove gangs of presswheels at the two UBolts securing mounting bar to outriggers. Storing the presswheels under cover will extend tyre, seal and bearing life

2002-2003 MODEL UPGRADES:

Side swivel upgrades (PWU45) are available if swivel is stiff

2004 MODEL UPGRADES:

Pressure rod clevis pins using split pin instead of circlips (PW4570 and PI425S)

POINTS & CLOSER PLATES

Point Wear:

Points that are scalloping excessively above top piece of tungsten carbide or behind bottom tungsten carbide tip may cause end of point to break off before tip has reach it's useful life. Hardface weld can be applied in these regions to extend point life.

Weld on Knives (PT1930 & PT1940):

When rebuilding a point cut the excess off the old point and leave a 3mm gap for penetration to weld knife. MIG weld or general purpose ARC welding rods can be used. Excess weld can be left as this area works out of the ground.

It is not recommended to repair cast points without preheat/post heat

Closers:

Closers should be replaced once either corner has worn to more than 15mm radius. Closers cannot be rebuilt. If welding closers to cast boots use Stainless electrode grade 309.

TIGHTENING TORQUE VALUES

WRENCHING SYSTEM

Not all tensioning devices give the same tension, typical performance of wrenching systems is:

WRENCH TYPE

Impact wrench stall type
Impact wrench with torque bar
Hand torque wrench
Air motor stall type

TORQUE ACCURACY

+/- 50%
+/- 20%
+/- 2% to +/-25%
+/- 10% to +/-20%

It is therefore important that wrenches are calibrated on a regular basis.

Do not use the following values if a different torque is called up for a specific application.

The values shown are for **clean, lightly oiled, galvanised and zinc plated carbon steel** fasteners.

Always replace fasteners with the same property class.

Torque is based on 65% of proof load.

METRIC COARSE PITCH



SIZE	CLASS 8.8	CLASS 10.9	CLASS 12.9
	Nm	Nm	Nm
M6	9.0	13.0	15.0
M8	22.0	32.0	37.0
M10	44.0	63.0	73.0
M12	77.0	109.0	128.0
M16	190.0	270.0	316.0
M20	372.0	528.0	620.0
M24	640.0	914.0	1066.0

SPECIFIC AGMASTER PARTS:

UB3002 **150 Nm** (approx 75% of recommended torque)

IMPERIAL



SIZE	SAE GRADE 5		SAE GRADE 8	
	UNC	UNF	UNC	UNF
inches	Ft.lbs	Ft.lbs	Ft.lbs	Ft.lbs
1/4	7.0	8.0	10.0	12.0
5/16	15.0	17.0	21.0	23.0
3/8	27.0	30.0	38.0	43.0
7/16	43.0	48.0	61.0	67.0
1/2	66.0	74.0	92.0	104.0
9/16	94.0	105.0	133.0	149.0
5/8	130.0	148.0	183.0	208.0
3/4	231.0	258.0	326.0	364.0
7/8	373.0	410.0	525.0	579.0
1	558.0	610.0	787.0	826.0

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REFQTY	PART No.	DESCRIPTION
1	PT5640/PT5660	ADJUSTABLE STD POINT
2	PT5650/PT5670	ADJUSTABLE LIQUID POINT
3	PI12A41	PIN, 12mm SQUARE NECK
4	HL5610	POINT HOLDER
5	PIXXXX	R - CLIP OR SPLIT PIN
6	BNW122XX	BOLT 1/2" x 2.3/4" OR 3", WASHER, CONELOCK NUT
7	UBN5611	U BOLT M12 80x64, WASHER, NYLOCK NUT
8	SL5520	LIQUID WITH SEE CASING TUBE
9	LF5420	LIQUID FERTILISER TUBE CASING TUBE
10	FB5310	DRY FERTILISER BOOT
11	BNW122	BOLT 1/2" x 2", WASHER, CONELOCK NUT
12	BO6M10S	HEX BOLT M6 x 10mm
13	BA5110	BOOT ADAPTOR
14	CL5240	CLOSER 45mm
15	SW5270	SEEKER WING 75mm
	SW5290	SEEKER WING 95mm
OPTIONAL TRASH GUARD		
16	TG5750	TRASH GUARD
17	BON8M45	BOLT, M8 x 50mm, NYLOCK
18	BON8M65	BOLT, M8 x 70mm, NYLOCK

1. Ensure delivery hose fits into boot. Maximum hose size boot will accept is 38mm O.D. Adaption will be necessary if hose O.D. is bigger.

2. Bolt point holder (4) to tyne using tyne bolt assembly (6). DO NOT TIGHTEN. If using liquid fertiliser to the back of point, lay casing LF5420 (9) into grooves at front of boot adaptor BA5110 (14) This tube can be curved to tyne shape later to prevent any fouling.

3. Use U bolt assembly (7) to secure point holder, tyne and boot adaptor (13). DO NOT TIGHTEN.

4. Fit U bolt assembly (7) to secure top of tyne adaptor to tyne. Align all parts to tyne and tighten all bolts. If using liquid with seed, slide casing tube SL5520 (8) into boot adaptor (14). Fit loosely with bolt but DO NOT TIGHTEN until after Step 6.

5. Secure point (1) into holder with pin (3) and R clip (5) until Step 10. First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.

6. Feed any flexible liquid with the seed tubes through casing tubes to protrude approximately 25mm.

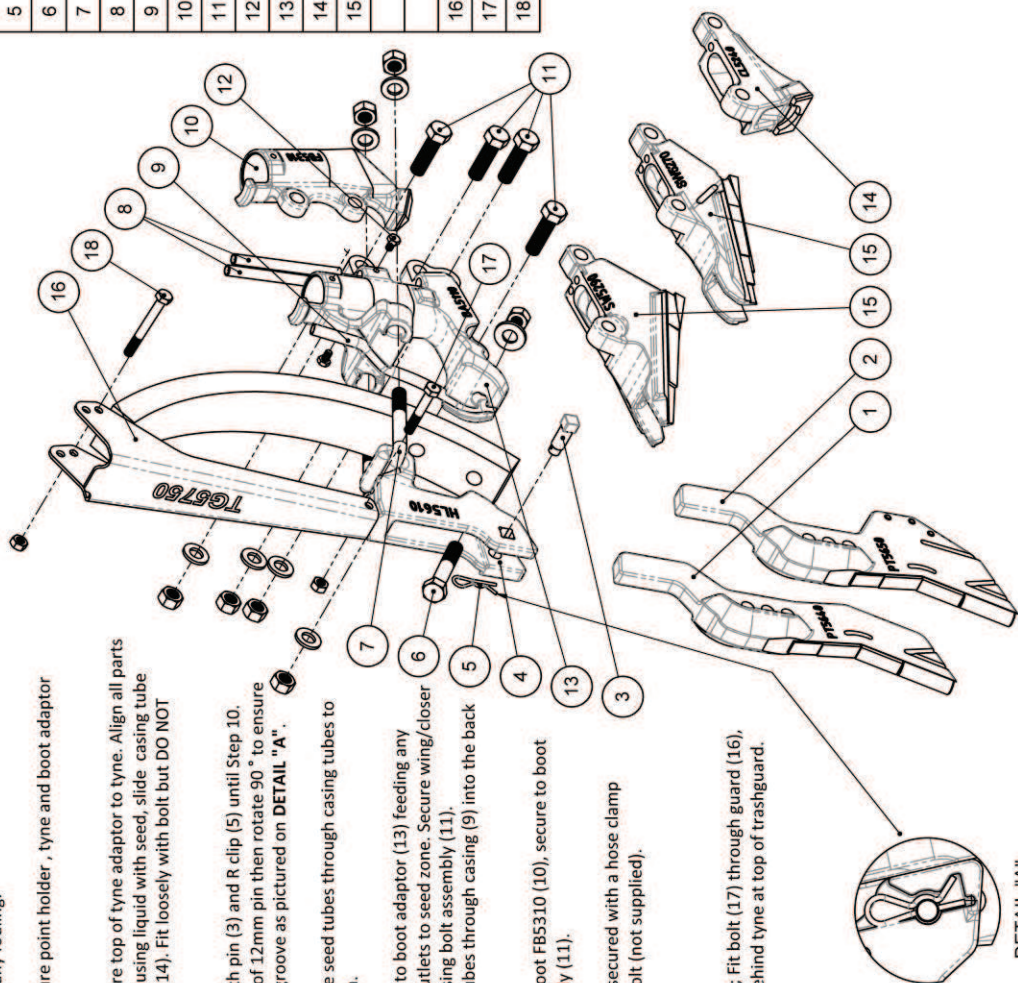
7. Fit seeker wings/closer (14,15) to boot adaptor (13) feeding any flexible liquid tubes through outlets to seed zone. Secure wing/closer (14,15) to boot adaptor (13) using bolt assembly (11). Feed any flex liquid fertiliser tubes through casing (9) into the back of point to desired depth.

8. If using optional dry fertiliser boot FB5310 (10), secure to boot adaptor (13) with bolt assembly (11).

9. Delivery hose into boot can be secured with a hose clamp (not supplied) or tek screw/bolt (not supplied).

10. Tighten all remaining bolts.

11. If fitting optional trashguards; Fit bolt (17) through guard (16), and holder (4). Fit bolt (18) behind tyne at top of trashguard. Do not overtighten(18).



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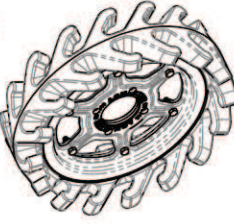
DWG No:
A12040

ASSY INSTRUCTIONS
**MULTI BOOT
C - SHANK**

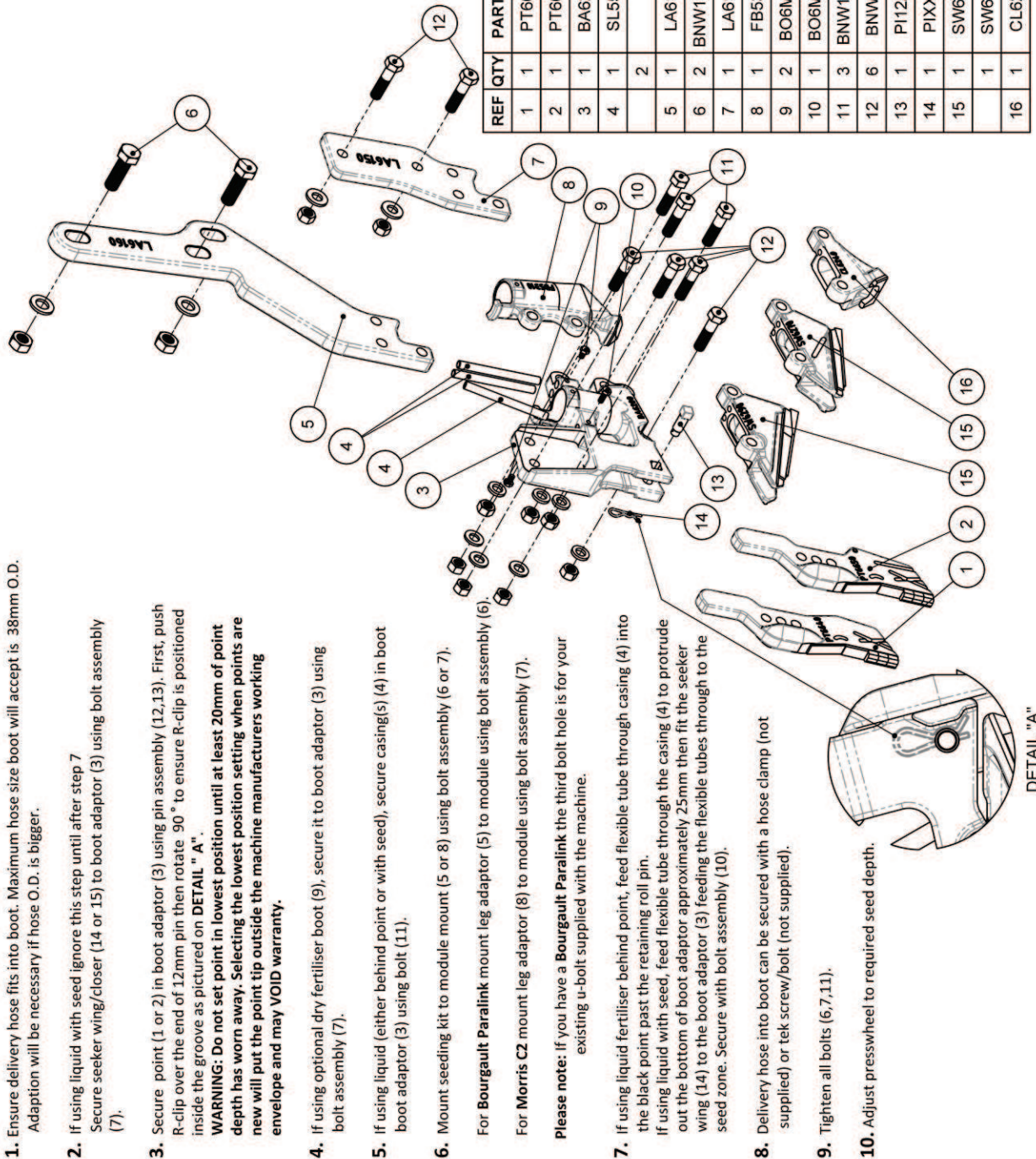
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HARRINGTON RD-TILL
C1800 NOTILL
10 Fargo Way,
Welshpool WA 6106
T: 0893581555
F: 0893581888
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EMU TRACKER

If you are using EMU TRACKER wheels, please use the following instructions.



1. Before fitting, make sure the EMU TRACKER wheel is positioned in the correct direction to reduce string/twine being pick up by feet when it rolls.
2. The EMU TRACKER wheel fits directly onto existing hub on your machine. Re-use nuts to fasten.



REF	QTY	PART No.	DESCRIPTION
1	1	PT6640	STANDARD POINT
2	1	PT6650	LIQUID POINT
3	1	BA6200	MODULE BOOT ADAPTOR
4	1	SL5520	LIQUID CASING TUBE (SUPPLIED WITH PT6050)
	2		(OPTIONAL FOR LIQUID WITH SEED)
5	1	LA6190	LEG ADAPTOR BOURGAULT
6	2	BNW16M55	HEX BOLT M16 x 55mm GR10.9, WASHER, CONELOCK NUT
7	1	LA6180	LEG ADAPTOR MORRIS C2
8	1	FB5310	FERTILISER BOOT
9	2	BO6M10S	HEX BOLT M6 x 10mm
10	1	BO6M16S	HEX BOLT M6 x 16mm
11	3	BNW12134	HEX BOLT 1/2" x 1 3/4" GR8.8, WASHER, CONELOCK NUT
12	6	BNW122	HEX BOLT 1/2" x 2" GR8.8, WASHER, CONELOCK NUT
13	1	PI12A41	PIN, 12mm SQUARE NECK
14	1	PIXXX	R - CLIP OR SPLIT PIN
15	1	SW6290	MODULE SEEKER WING 95mm
	1	SW6270	MODULE SEEKER WING 75mm
16	1	CL6240	MODULE CLOSER 45mm

ASSY INSTRUCTIONS
MULTI BOOT MODULE for
MORRIS QUANTUM,
C2 & BOURGAULT PARALINK

DWG No:
A12030

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DETAIL "A"

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1. Ensure delivery hose fits into boot. Maximum hose size boot will accept is 38mm O.D. Adaption will be necessary if hose O.D. is bigger.

2. If using liquid with seed ignore this step until after step 7
Secure seeker wing/closer (14 or 15) to boot adaptor (3) using bolt assembly (7).

3. Secure point (1 or 2) in boot adaptor (3) using pin assembly (12,13). First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on DETAIL "A".

WARNING: Do not set point in lowest position until at least 20mm of point depth has worn away. Selecting the lowest position setting when points are new will put the point tip outside the machine manufacturers working envelope and may VOID warranty.

4. If using optional dry fertiliser boot (9), secure it to boot adaptor (3) using bolt assembly (7).

5. If using liquid (either behind point or with seed), secure casing(s) (4) in boot boot adaptor (3) using bolt (11).

6. Mount seeding kit to module mount (5 or 8) using bolt assembly (6 or 7).

For Bourgault Paralink mount leg adaptor (5) to module using bolt assembly (6).

For Morris C2 mount leg adaptor (8) to module using bolt assembly (7).

Please note: If you have a Bourgault Paralink the third bolt hole is for your existing u-bolt supplied with the machine.

7. If using liquid fertiliser behind point, feed flexible tube through casing (4) into the black point past the retaining roll pin.
If using liquid with seed, feed flexible tube through the casing (4) to protrude out the bottom of boot adaptor approximately 25mm then fit the seeker wing (14) to the boot adaptor (3) feeding the flexible tubes through to the seed zone. Secure with bolt assembly (10).

8. Delivery hose into boot can be secured with a hose clamp (not supplied) or tek screw/bolt (not supplied).

9. Tighten all bolts (6,7,11).

10. Adjust presswheel to required seed depth.

POINT AND BOOT

-

LIQUID ATTACHMENT

-

REF	QTY	PART No.	DESCRIPTION
1	1	PT5640	STD ADJUSTABLE POINT
		PT5650	LIQUID ADJUSTABLE POINT
2	1	PI12A	SQUARE NECK PIN M12
3	1	PI432R	R CLIP
4	1	HL56XX	POINT HOLDER
5	1	BO123	BOLT, 1/2" x 3" UNF
		BO12212	BOLT, 1/2" x 2 1/2" UNF
6	1	NU12CL	NUT, 1/2" UNF
7	1	WA12MC	CONICAL WASHER, M12
8	1	UB5611	U BOLT, M12
9	2	WA12MC	CONICAL WASHER, M12
10	2	NU12MNY	NYLOC NUT, M12
11	1	BR5910	BRACKET, TO SUIT TYNE
12	1	BT25XX	BOOT - TO SUIT APPLICATION
13	2	BO122C	BOLT, 1/2" x 2" UNF
14	4	WA12MC	CONICAL WASHER M12
15	2	NU12CL	NUT, 1/2" UNF

LIQUID ATTACHMENT		
16	1	LF2520
		CLAMP PLATE - DOUBLE
		CLAMP PLATE - SINGLE
17	1	LF2570/80
		TUBE - 6mm OR 10mm
18	1	LF2550
		P CLAMP WC
19	1	PC6S
		P CLAMP - 6mm
20	1	BO6M20
		BOLT, M6 x 20mm
21	1	NIJ6M20
		NIJT, NYLON 6.6

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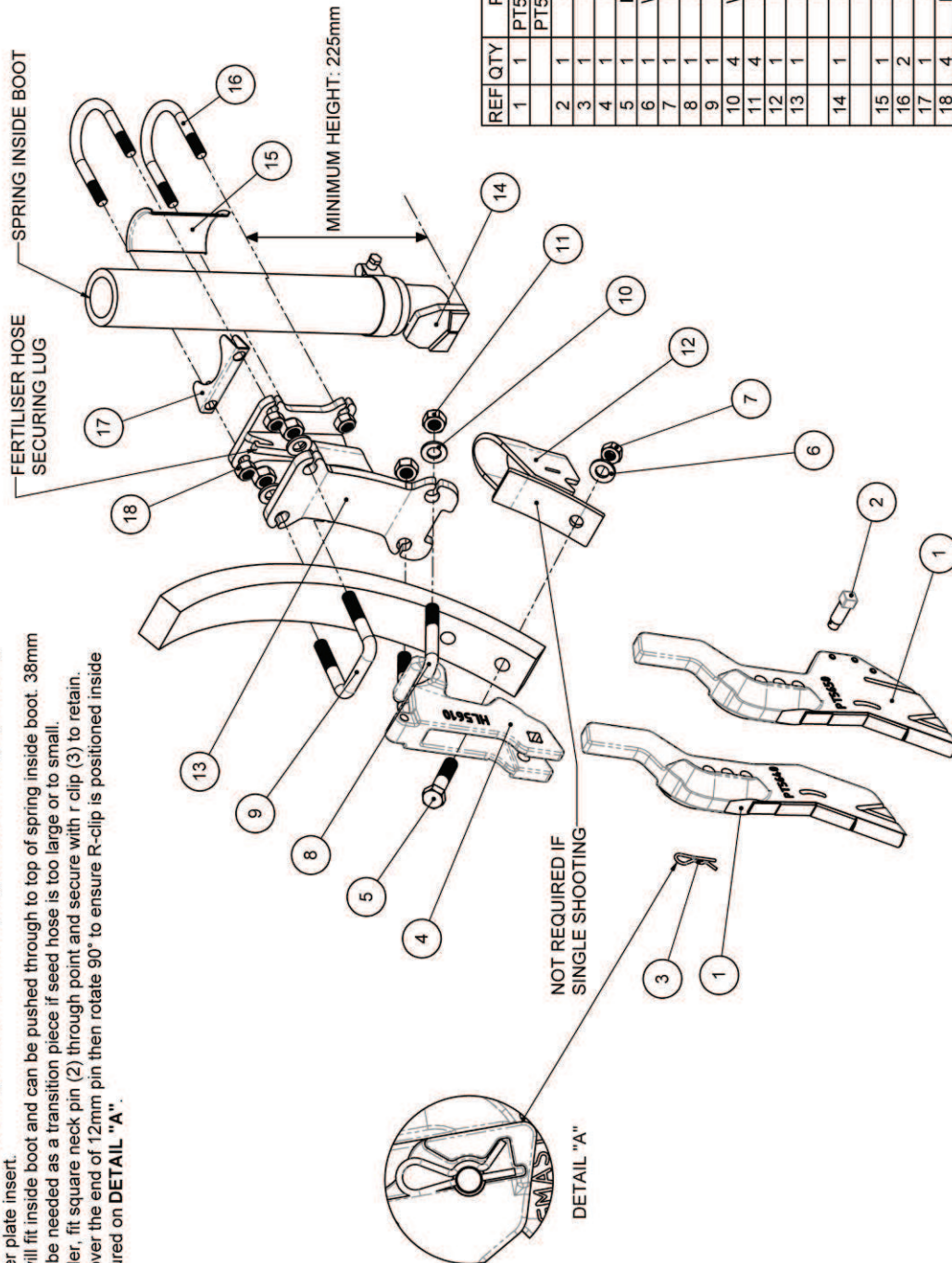
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ASSY INSTRUCTIONS	
NT19 POINTS AND BOOTS	



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RETENSION ALL BOLTS AFTER 8hrs WORKING

- Loosely fit holder (4) and fertiliser hose holder (11) to tyne using items 5, 6 and 7.
- Fit bracket (12) to tyne above item (11) using items 8, 9 and 10. On flat tyne the bracket (12) rests against holder (11). With "edge on" tynes there may be a gap between 11 and 12.
- Cut the end of the fertiliser hose at 45 degrees (rear higher) and fit through brackets (11 and 12) until end is between bracket bolts, secure to item (12) lug with hose clamp (not supplied).
- Fit boot (13) to bracket (12) using items 14, 15, 16 and 17 after determining a suitable height. (normally 50mm higher than knife). When using presswheels consider setting rear row of boots 10 to 15mm lower to give even seed depth. Make sure the spring inside the boot (13) is resting on top of the closer plate insert.
- Most seed hose will fit inside boot and can be pushed through to top of spring inside boot. 38mm OD poly pipe may be needed as a transition piece if seed hose is too large or too small.
- Fit point (1) to holder, fit square neck pin (2) through point and secure with r clip (3) to retain. First, push R-clip over the end of 12mm pin then rotate 90° to ensure R-clip is positioned inside the groove as pictured on **DETAIL "A"**.



REF	QTY	PART No.	DESCRIPTION
1	1	PT5640/PT5660	ADJUSTABLE STD POINT
		PT5650/PT5670	ADJUSTABLE LIQUID POINT
2	1	PI12A41	PIN, 12mm SQUARE NECK
3	1	PI432R	R CLIP
4	1	HL5610	POINT HOLDER
5	1	BO12214	BOLT 1/2" UNF x 2 1/4"
6	1	WA12MC	CONICAL WASHER M12
7	1	NU12CL	NUT, 1/2" UNF
8	1	UB5611	U BOLT, M12
9	1	UB2001	U BOLT, M10
10	4	WA12MC	CONICAL WASHER M12
11	4	NU12CL	NUT, 1/2" UNF
12	1	FB2980	FERTILISER HOSE HOLDER
13	1	FB2910	BRACKET - FLAT ON TYNE
		FB2940	BRACKET - EDGE ON TYNE
14	1	FB2840	FLEXI BOOT - 40mm CLOSER
		FB2850	FLEXI BOOT - 50mm CLOSER
15	1	FB2810	SADDLE
16	2	UB2007	U BOLT, M10
17	1	FB2820	CLAMP
18	4	NU10MN	NUT, M10 NYLOCK



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ASSY INSTRUCTIONS

FLEXI BOOT AND POINT

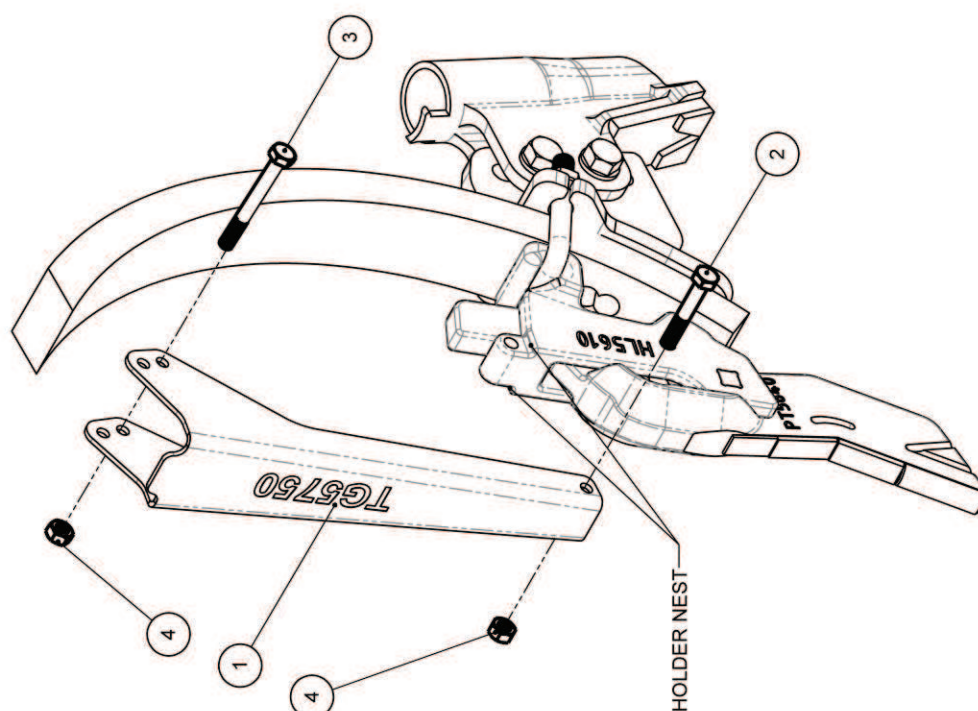
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RETENSION ALL BOLTS AFTER 8hrs WORKING

1. Fit bolt (2) through bottom hole of trashguard (1) and secure with nut, fit guard (1) to tyne making sure the lower edge is correctly located to the holder nest. Fit bolt (3) through the upper holes of trashguard and secure with nut (4).
2. Top of trashguard can be tapped against tyne to bend trashguard lug to expose closer holes for item (3).



REF	QTY	PART No.	DESCRIPTION
1	1	TG5730	FOR 50mm WIDE TYNES
		TG5750	FOR 28mm WIDE TYNES
2	1	BO8M45	BOLT, M8 x 45mm, 8.8GR
3	1	BO8M65	BOLT, M8 x 65mm, 8.8GR
4	2	NU8MNY	NUT, M8 NYLOCK

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ASSY INSTRUCTIONS
TRASH GUARD NT19

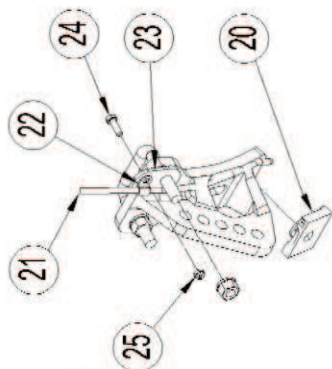
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A12050

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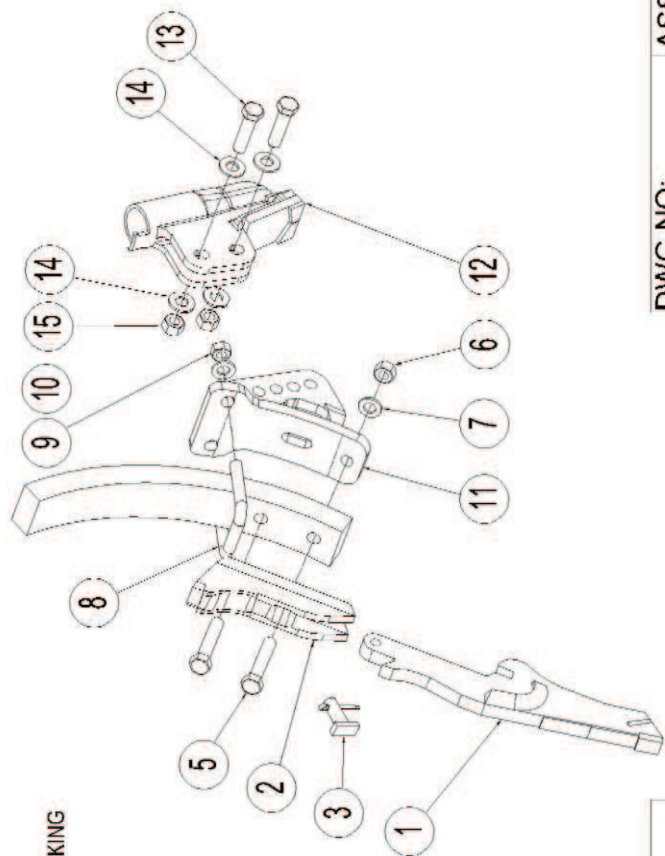
LIQUID N ATTACHMENT

1. Place clamp plate (20) over S bend in tube (21) and secure to lower hole of boot bracket (11) and line using 1/2" longer bolt.
 2. Secure P clamp lug (22) to U bolt leg with P clamp mounting hole above boot bracket (11).
 3. Fit P clamp (23) over the tube (21) then secure P clamp to lug with M6 x 20 bolt, washer and nut. Tube should fit up close against the central vertical plate of boot bracket (11) and can be curved to suit bracket profile.
- NOTE: Stainless tube (21) is a casing for smaller flexible delivery pipe (not supplied) and should finish close to the bottom of the clamp plate (20).
The flexible delivery pipe continues into the back of the liquid point.



POINT AND BOOT

1. Make delivery hose adaption to boot (12).
Delivery hose 32-38 OD will fit directly into boot - no adaption necessary.
For 38 ID hose secure 38 OD poly tube into boot and secure inside delivery hose.
2. Bolt boot (12) to bracket (11) using items 13, 14 & 15, after determining a suitable height.
3. Loosely bolt holder (2) and bracket (11) to tyne using items 5, 6, & 7.
4. Fit U bolt (8) using item 9 & 10 to secure - DO NOT OVER TIGHTEN. Tighten nuts (6) securing holder (2) and bracket (11).
5. Fit point (1) into holder (2), fit lynch pin (3) through point and secure with loop over end of point (1) to retain.
6. Secure delivery hose to boot (12) with hose clamp or Tek screw (not supplied).



RETENSION ALL BOLTS AFTER 8 hrs WORKING

DOUBLE QUANTITIES OF ITEMS 21 TO 26 INCL FOR DOUBLE KIT

25	1	NU6MNY	NYLOC NUT M6
24	1	UB1003	BOLT M6 X 20
23	1	PC6S	P CLAMP - 6 mm
22	1	LF2550	P CLAMP WC
21	1	LF2570/80	TUBE - 6 mm OT 10 mm
20	1	LF2520	CLAMP PLATE - DOUBLE
20	1	LF2510/30	CLAMP PLATE - SINGLE

LIQUID N KIT

15	2	NU12CL	NUT 1/2" UNF
14	4	WA12MC	CONICAL WASHER M12
13	2	BO122	BOLT 1/2" UNF X 2"
12	1	BT25XX	BOOT - TO SUIT APPLICATION
11	1	BR20X0	BRACKET - TO SUIT TYNE
10	2	WA12MC	CONICAL WASHER M12
9	2	NU12MNY	NYLOC NUT M12
8	1	UB2002	U BOLT FOR UP TO 28 WIDE TYNES
8	1	UB2001	U BOLT FOR 50 WIDE TYNES
7	2	WA12MC	CONICAL WASHER M12
7	2	WA716F	FLAT WASHER 7/16"
6	2	NU12CL	NUT 1/2" UNF
6	2	NU716CL	NUT 7/16" UNF
5	2	BO123	BOLT 1/2" UNF X 3"
5	2	BO12212	BOLT 1/2" UNF X 2 1/2"
5	2	BO716234	BOLT 7/16" UNF X 2 3/4"
3	1	TSP	T PIN & SPLIT PIN
2	1	HL11XX	HOLDER - TO SUIT TYNE
1	1	PT11XX	POINT - TO SUIT TYNE
REF	QTY	PART No	DESCRIPTION

DWG NO:
AI1020

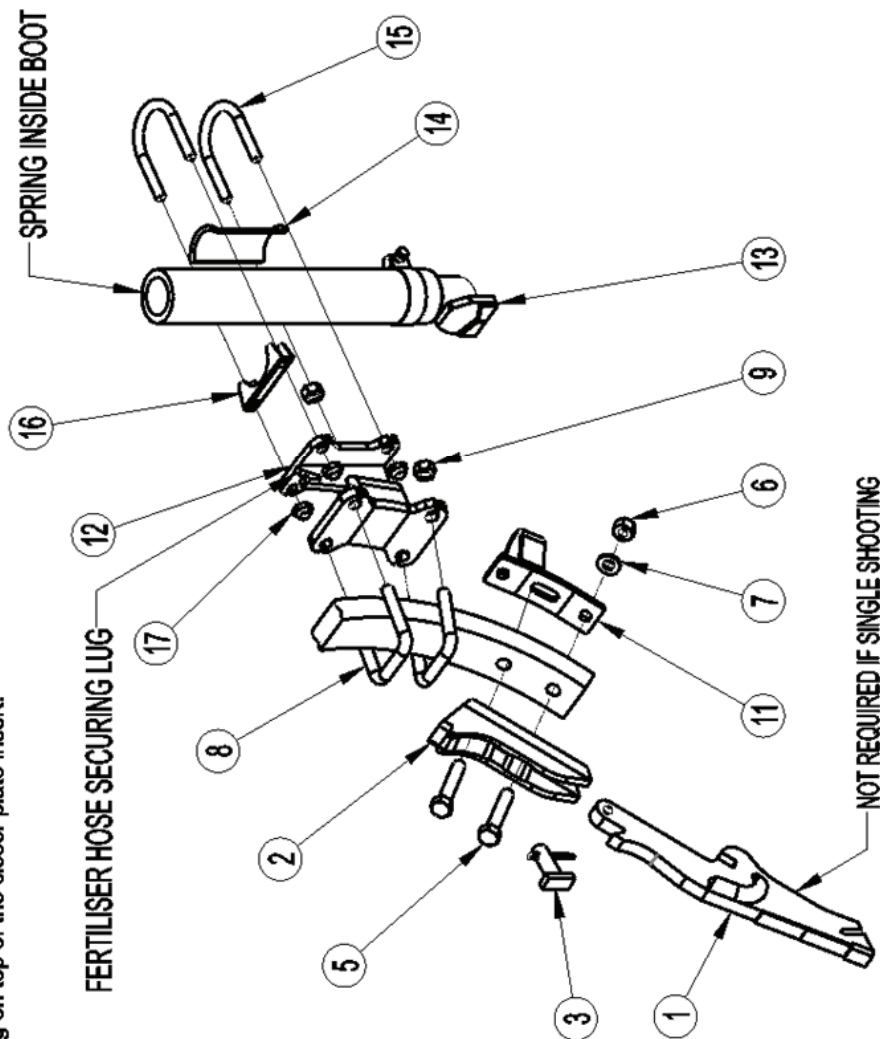
ASSY INSTRUCTIONS
NT11 POINTS & BOOTS

1. Fit holder (2) and fertiliser hose holder (11) to tyne using items 5, 6 & 7.
2. Fit bracket (12) to tyne above item 11 using items 8, 9 & 10. On flat tynes the bracket (12) rests against holder (11). With 'edge on' tynes there will likely be a gap between 11 & 12.
3. Cut the end of the fertiliser hose at 45 degrees (rear higher) and fit through brackets (11 & 12) until end is between bracket bolts, secure to item 12 lug with hose clamp (not supplied). Bracket 11 is reversible for higher or lower securing of the fertilizer tube.
4. Fit boot (13) to bracket (12) using items 14, 15, 16 & 17 after determining a suitable height. (normally 50mm higher than knife). When using presswheels consider setting rear row of boots 10 to 15 mm lower to give even seed depth. Make sure the spring inside the boot (13) is resting on top of the closer plate insert.

5. Most seed hose will fit inside boot and can be pushed through to top of spring. inside boot. 38 mm OD poly pipe may be needed as a transition piece if seed hose is too large or too small.

6. Fit point (1) to holder (2), fit lynch pin (3) through point and secure with loop over point (1) to retain.

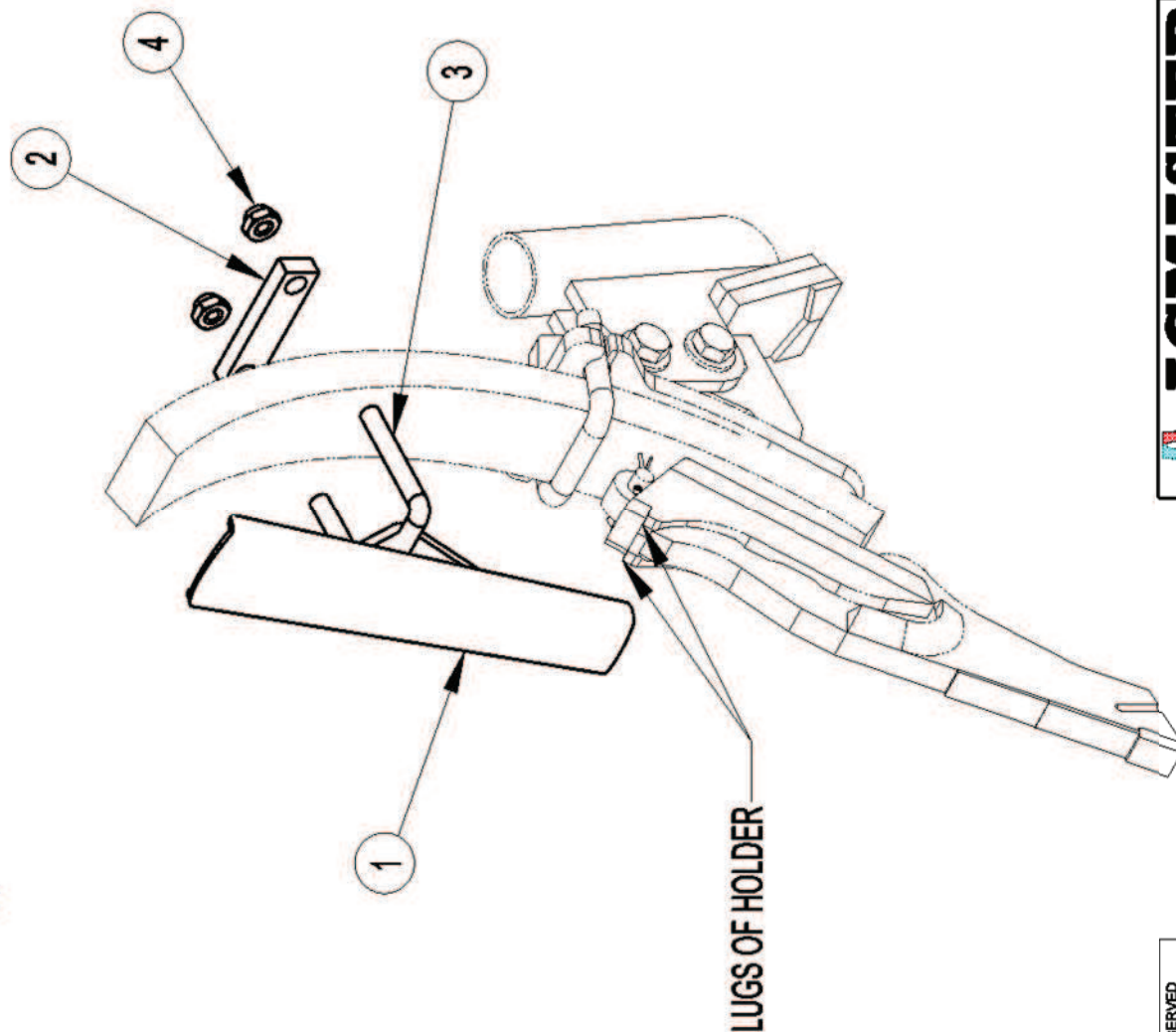
RETENSION ALL BOLTS AFTER 8 hrs WORKING



REF	QTY	PART No	DRG SIZE	DESCRIPTION
17	4	NU10MIN		NYLOC NUT M10
16	1	FB2820		CLAMP
15	2	UB2007		U BOLT
14	1	FB2810		SADDLE
13	1	FB28XX		BOOT - TO SUIT APPLICATION
12	1	FB27XX		BRACKET - TO SUIT TYNE
11	1	FB2800		FERTILISER HOSE HOLDER
10				
9	2	NU12MIN		NYLOC NUT M12
8	1	UB2002		U BOLT FOR UP TO 28 WIDE TYNES
7	1	UB2001		U BOLT FOR 50 WIDE TYNES
6	2	WA12MC		CONICAL WASHER M12
5	2	WA716F		FLAT WASHER 7/16"
4	2	NU12CL		NUT 1/2" UNF
3	2	NU716CL		NUT 7/16" UNF
2	2	BO1212		BOLT 1/2" UNF X 2 1/2"
1	2	BO12214		BOLT 1/2" UNF X 2 1/4"
	2	BO716212		BOLT 7/16" UNF X 2 1/2"
3	1	TSP		T PIN & SPLIT PIN
2	1	HL11XX		HOLDER - TO SUIT TYNE
1	1	PT11XX		POINT - TO SUIT TYNE

1. fit U bolt (3) through guard (1), fit guard (1) to tyne making sure the lower edge is correctly located in the lugs of holder. Fit lug (2) over U bolt (3) and secure with nuts (4) - DO NOT OVER TIGHTEN.

RETENSION ALL BOLTS AFTER 8 hrs WORKING



4	2	NU10MINV	NYLOC NUT M10	
3	1	UB1003	U BOLT FOR 50 WIDE TYNES	
3	1	UB1004	U BOLT FOR 28 WIDE TYNES	
2	1	TG1175	LUG - FOR 50 WIDE TYNES	
2	1	TG1173	LUG - FOR 28 WIDE TYNES	
1	1	TG1170	TRASHGUARD	
REF	QTY	PART No	DRG SITE	DESCRIPTION

RETENSION ALL BOLTS AFTER 8 hrs WORKING

LIQUID N & WETTER PARTS ATTACHMENT

1. Insert tube (20) upwards into seeker boot (7) and secure with grub screw (22), align lower section so liquid N tube (not supplied) will clear upper nut (5) and go through P clamp (23).
2. Insert tube (21) into seeker boot (7) (offset only) ensure it full engages into the lower hole and secure with grub screw (22).
3. Fit P clamp (23) to seeker boot (7) and secure with bolt (24).
Align P clamp (23) so liquid N tube (not supplied) will clear lower nut (5) and fit into lower front hole of boot (7). Feed liquid tube through boot to desired depth.

POINT AND BOOT

1. Make delivery hose adaption to seeker boot (7).
 - * 32 OD hose will fit securely into the seeker boot hole and can be secured with a hose clamp (not supplied) or short Tek screw (not supplied).
 - * 32 ID hose can be adapted to the seeker boot with adaptor (8).
 - * 35 OD AND 38 ID hose can be adapted with adaptor (9).

2. If using optional fertilizer boot (10) secure this to the seeker boot with items 11 & 12.

For liquid fertilizer or liquid wetter see separate instructions above.

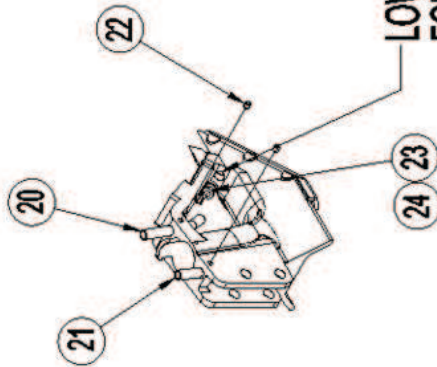
3. Loosely assemble holder (2) and seeker boot (7) to tyne using items 4, 5, & 6.

Ensure domed washer (6) is oriented with dome side against nut (5). Wings of boot should be as close as possible to level. Trailing end of wings can be lower but NOT higher than leading end. A domed washer (6) can be used to space the top or bottom away from the tyne if necessary.

4. Secure point (1) into holder (2) with retain clip (3) and ensure leading edge of seeker boot wings do not interfere with point.

5. Tighten tyne nuts (5)

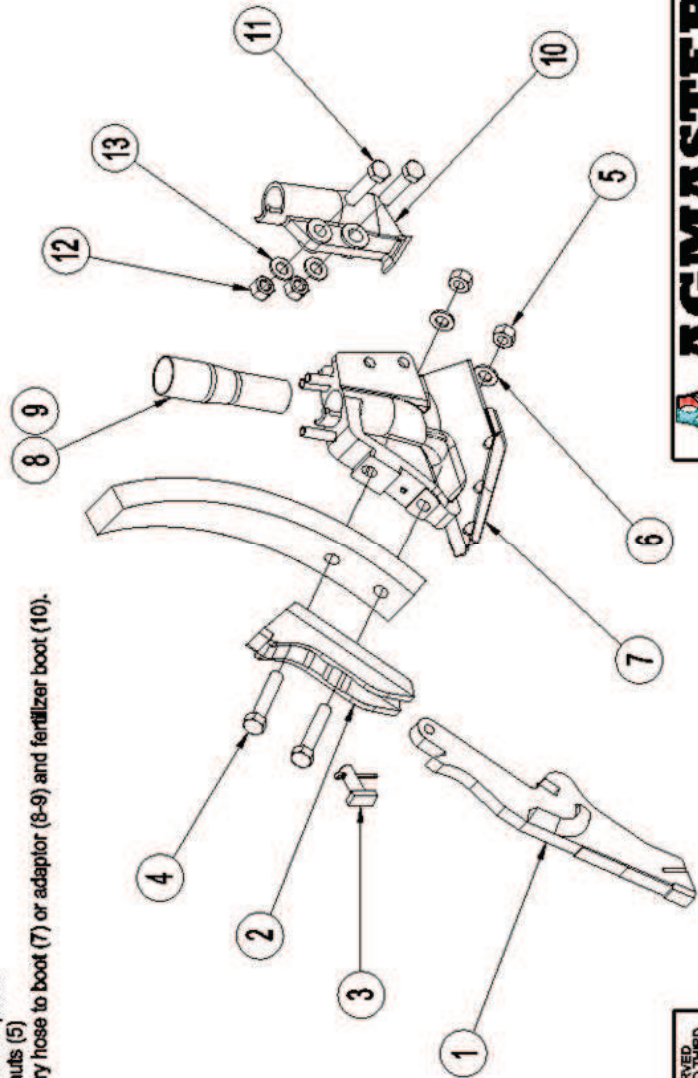
6. Secure delivery hose to boot (7) or adaptor (8-9) and fertilizer boot (10).



LOWER FRONT HOLE FOR LIQUID N TUBE

LIQUID N & WETTER PARTS

24	1	BO6M16S	BOLT M6 X 16
23	1	PC6S	P CLAMP
22	2	GS6M6S	GRUB SCREW M6 X 6
21	1	SL5520	TUBE - WETTER
20	1	SL5510	TUBE - LIQUID N



13	2	WA12MC	CONICAL WASHER M12
12	2	NU12CL	CONELOCK NUT 1/2" UNF
11	2	BO122	BOLT 1/2" UNF X 2"
10	1	SF5410	FERTILIZER BOOT
9	1	PA5610	ADAPTOR - 35 ID & 38 OD HOSE
8	1	PA5260	ADAPTOR - 32 ID HOSE
7	1	SB51XX	SEEKER BOOT - OFFSET
7	1	SB52XX	SEEKER BOOT - TWIN
6	2	WA12MC	CONICAL WASHER M12
5	2	NU12CL	CONELOCK NUT 1/2" UNF
4	AR	BO123	BOLT 1/2" UNF X 3"
4	AR	BO12234	BOLT 1/2" UNF X 2 3/4"
4	AR	BO12212	BOLT 1/2" UNF X 2 1/2"
3	1	PI10SP OR TSP	SNAPPER PIN OR T PIN & SPLIT PIN
2	1	HL11XX	HOLDER - TO SUIT TYNE
1	1	PT11XX	POINT - TO SUIT TYNE

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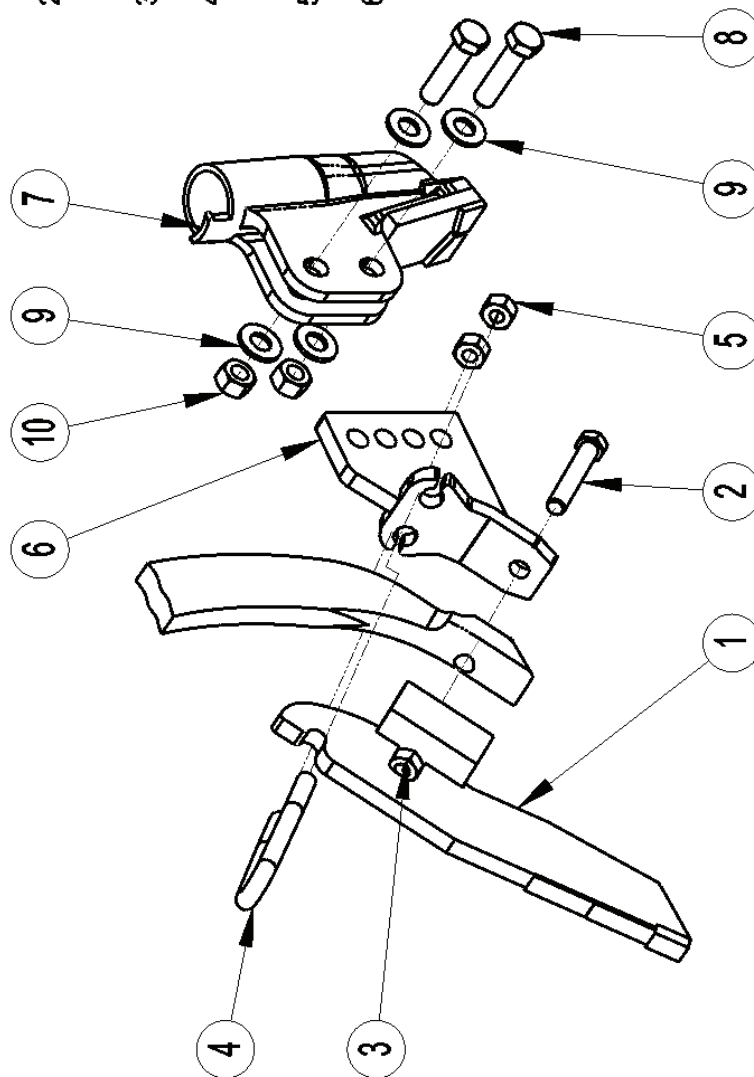
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ASSY INSTRUCTIONS
POINTS & SEEKER BOOTS

A11080

RETENSION ALL BOLTS AFTER 8 hrs WORKING

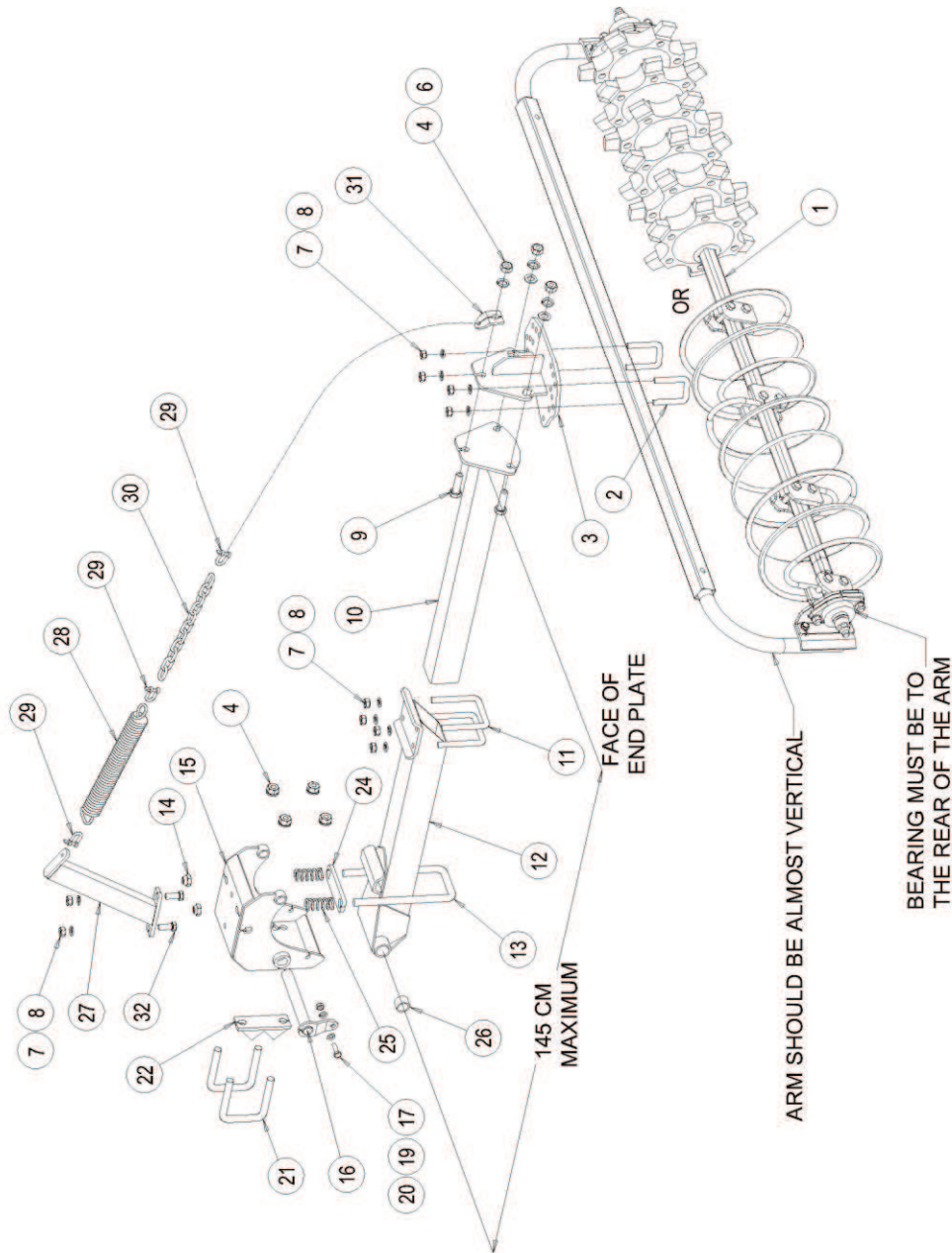
1. Make delivery hose adaption to boot (7).
Some common methods are (depending on delivery hose size).
* Fix a short piece of 1 1/4" or 32 mm poly pipe with a maximum 38 mm OD into boot. Most hoses will plug inside or over outside of this pipe.
* Fix delivery hose directly into boot.
* Weld suitable size pipe sleeve onto boot (7) to accept delivery hose.
2. Bolt boot (7) to bracket (6) using items 8, 9 & 10, after determining a suitable height.
3. Loosely bolt point (1) and bracket (6) to tyne using items 2, & 3.
4. Loosley fit U bolt (4) around top of point and secure thru bracket (6) with nuts (5).
5. Tighten bolt (2).
6. Nip up bolt (4) - **DO NOT OVER TIGHTEN**



REF	QTY	PART NO	DRG SIZE	DESCRIPTION
10	2	NU12CL		NUT 1/2" UNF
9	4	WA12MC		CONICAL WASHER M12
8	2	BO122		BOLT 1/2" UNF X 2"
7	1	BT25XX		BOOT - TO SUIT APPLICATION
6	1	BR22XX		BRACKET - TO SUIT TYNE
5	2	NU12MINY		NUT M12
4	1	UB2003		U BOLT FOR SCARIFIERS
4	1	UB2004		U BOLT FOR SEEDERS
3	1	NU12CL		NUT 1/2" UNF FOR SCARIFIERS
3	1	NU16CL		NUT 7/16" UNF FOR SEEDERS
2	1	BO12214		BOLT 1/2" UNF X 2 1/4" FOR SCARIFIERS
2	1	BO12212		BOLT 7/16" UNF X 2 1/2" FOR SEEDERS
1	1	PT18XX		POINT - TO SUIT TYNE

WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

RETENSION ALL BOLTS AFTER 8 hrs WORKING



32	2	BO16M40	BOLT - M16 X 40
31	1	HK3620	LIFTING LUG
30	1	CH8	CHAIN
29	3	SH10D	SHACKLE
28	1	SP3012	TENSION SPRING
27	1	HK3610	TENSION SPRING ARM
26	2	TA3123	BUSH - HARROW ARM
25	2	SP3011	SPRING - NOT REQD ON NON FOLD M/C
24	1	HS3090	SPRING PLATE - NOT REQD ON NON FOLD M/C
22	2	HS3070	CLAMP PLATE FOR BO20M120 ON 75 x 75 SQUARE
21	4	BO20M120	BOLT M20 X 120, W/ WASHER & NUT FOR 75 x 75 SQUARE
22	2	HS3080	CLAMP PLATE FOR UB3006 ON DIAMOND
21	2	UB3006	U BOLT M20 X 150 X 122 ON DIAMOND
21	2	UB3004	U BOLT M20 X 135 X 102 FOR 100 x 100 SQUARE
20	1	NU12MNY	NUT - M12 NYLOCK
19	1	WA12MC	CONICAL WASHER - M12
18			
17	1	BO12M40	BOLT - M12 X 40
16	1	HS3040	PIVOT PIN
15	1	HS3030	HEADSTOCK
14	2	NU20MNY	NYLOC NUT - M20
13	1	UB3001	U BOLT - M20
12	1	TA3120	OUTER ARM
11	2	UB3002	U BOLT - M16
10	1	TA3130	INNER ARM
9	3	BO20M60	BOLT - M20 X 60
8	8/10	WA16MC	CONICAL WASHER - M16
7	8/10	NU16MZIP	NUT - M16
6	2	WA20MC	CONICAL WASHER - M20
5			
4	7	NU20MZIP	NUT - M20
3	1	HA3310	TURNTABLE
2	2	UB3003	U BOLT - M16
1	1	HA3740/50	HARROW GANG ASSEMBLY - COIL
1	1	HA3240/50/60	HARROW GANG ASSEMBLY - STAR
REF	QTY	PART No	DESCRIPTION

See sheet 2 for assembly instructions

DWG NO: **AI1050**
ASSY INSTRUCTIONS
HARROWS SHEET 1 OF 2

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASED - 08	29/09/17	

WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

1. Lay harrow gangs behind the bar (with bearings upwards & U arms forwards) to determine suitable mounting positions. Spaces for the mountings need to be a minimum of 20 cm wide.
 2. Mount headstock (15) on rear bar with U bolt (21). If a mounting position is not central to the gang because of an obstruction, find a space close to the centre of the gang (towards the leading end of the gang is preferable).
 3. Fit tension spring arm (27) to headstock (15).
 4. Mount outer arm (12), large U bolt (13), spring plate (24) and springs (25) to headstock (15). (spring plate (24) & springs (25) not supplied on combines). Fit inner arm (10) into outer arm (12) and secure with U bolts (11). ENSURE EXTENDED LENGTH OF ARM DOES NOT EXCEED 145 cm AS SHOWN IN THE DIAGRAM
 5. Loosely mount turntable (3) to inner arm (10).
 6. Bolt gang (1) to turntable (3) at desired angle (20°, 25°, 30° or 35°) using U bolts (2), suggested initial setting of 25°. Gangs can be set all one way or half one way half the other.
IMPORTANT: BEARING ASSEMBLIES MUST BE TOWARDS THE REAR WITH U ARM ALMOST VERTICAL - SEE DIAGRAM.
 7. Lower machine to desired working depth.
 8. Tighten the turntable (3) to inner arm (10) so the leading end of the gang (1) is about 2 cm higher than the trailing end (leading end tends to dig in).
 9. Adjust large U bolt (13) to within 1 cm of the underside of outer arm (12). This U bolt lifts the gang in transport.
 10. Fit lifting lug (32) to turntable (3). Adjust length of chain (31) to carry approximately half of the harrow weight.
- * Depending on conditions, altering the turntable (3) angle and tension of spring (28) will vary harrow finish. Test with one gang before adjusting the rest.
 - * Taking more weight with the spring can have a greater effect than changing the angle of the gang.
 - * On tillage machines with less than 100 mm square RHS stiffening may be required between ranks near the headstock mount position.
 - * Grease bearings weekly. Do not over grease as seals may be damaged.
 - * Retension all bolts after 8 hours working.

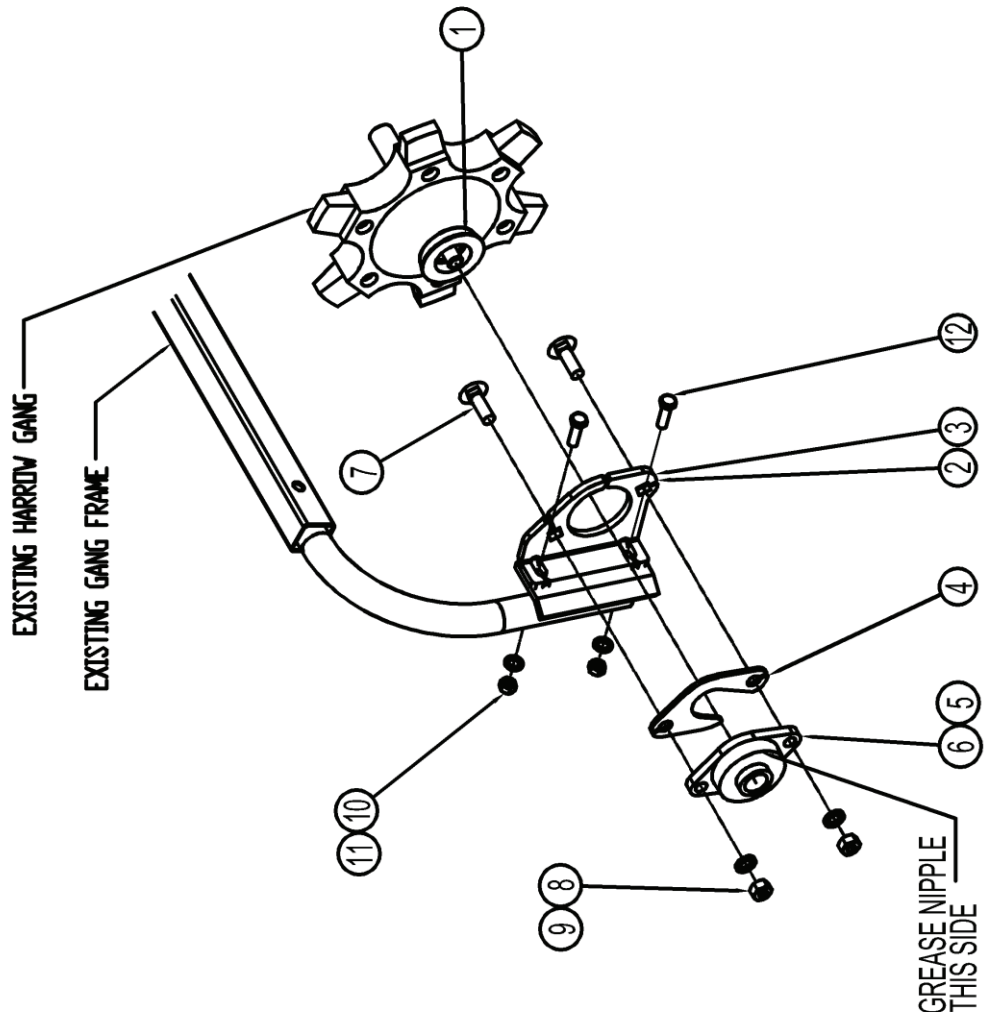
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DWG NO: **A11050**
ASSY INSTRUCTIONS
HARROWS SHEET 2 OF 2



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RETENSION ALL BOLTS AFTER 8 hrs WORKING



* Grease bearings weekly. Do not over grease as seals may be damaged

NOTE ITEMS 2 TO 9 INCL. ARE SUPPLIED AS TWO ASSEMBLIES

1. Remove existing bearings, washers, spacers and hardware.
2. Ensure stars are central on axle, knock them along if necessary.
3. Slide crown slinger (1) onto each end as shown.
4. Fit bearing assemblies to each end ensuring bearing sits against slinger.
5. Bolt one end of gang assembly to gang frame ensuring slot in item 4 faces down and bearing is to rear of gang frame.
6. Bolt other end together, if holes do not line up stretch the gang frame to allow bolts to fit.

REF	QTY	PART No	DRG SIZE	DESCRIPTION
12	4	BO12M40		M12 X 40 BOLT
11	4	WA12MC		CONICAL WASHER - M12
10	4	NU12MNY		M12 NYLOCK
9	4	WA16MC		CONICAL WASHER - M16
8	4	NU16MZP		M16 NUT
7	4	BO16M50CUP		M16 X 50 CUP HEAD SQUARE NECK BOLT
6	2	BE114UCR3		BEARING - UC207-20R3
5	2	BE114FL		FLANGED HOUSING
4	2	HA3372		SPACER PLATE
3	1	HA3381		BRACKET LEFT HAND
2	1	HA3371		BRACKET RIGHT HAND
1	2	HA3400		CROWN SLINGER

DWG NO:
AI1051

ASSY INSTRUCTIONS
 HARROW BRG UPGRADE

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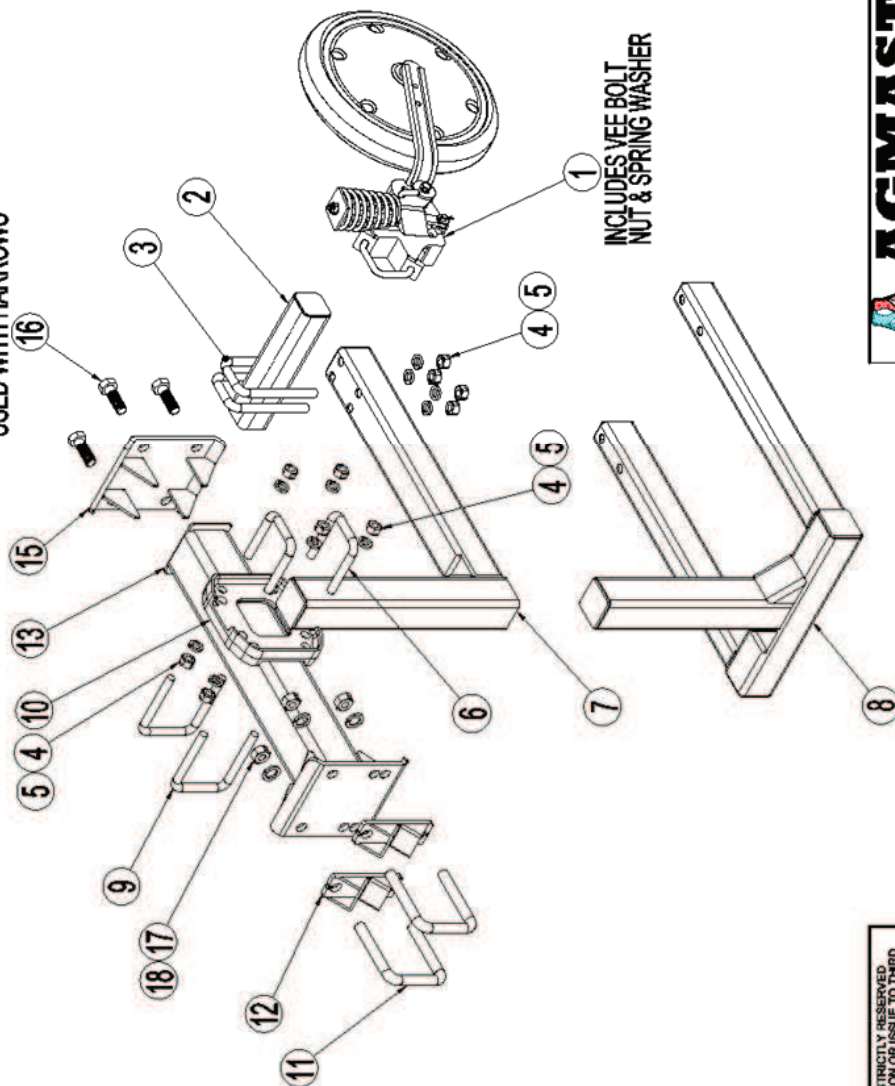
WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

RETENSION ALL BOLTS AFTER 8 hrs WORKING

PRESS WHEEL ASSEMBLY WITHOUT HARROWS

- For each section determine 2 available spaces, minimum 20 cm, approximately 1/4 distance in from ends of section. ie 4 m section, locate extensions (13) as close to 1 m in from each end as spaces permit.
- With extensions fitted attach dropper (7 or 8) and locator plate (10) and determine breakout clearance behind last rank of tines with RHS (2) at 42 cm to 45 cm from bottom of RHS (2) to ground level.
- Fit RHS (2) above or below it as determined in step 2. Leave 5 cm gap between ends of RHS (2) to ensure clearance for machine movement. If supplying own RHS cut to width of machine sections less 5 cm for machine movement.
- Position and fix press wheel assemblies in line with tines. If Vee bolt interferes with droppers (7 or 8), adjust position of extension (13).
- Adjust down pressure as required.

ONLY SUPPLIED WHEN USED WITH HARROWS



IF HARROWS ARE MOUNTED ALREADY

- Remove harrow headstock from bar and replace with extension (13). Follow steps 2 to 5 in "Press wheel assembly without harrows". Ensure RHS (2) is mounted as far forward as possible without interfering with tine breakout to leave maximum room for harrows.
- Remount harrow headstock to extension (13), level harrows if necessary.

IF MOUNTING WITH NEW HARROWS

- Lay harrow gangs behind the machine to determine best mounting positions, spaces for mounting need to be a minimum of 20 cm wide. If a mounting position is not central to the gang because of an obstruction, find a space close to the centre of the gang (towards the leading end of the gang is preferable). Follow steps 2 to 5 in "Press wheel assembly without harrows".

* When using harrows in combination with press wheels check that a trailing air seeder hopper does not run over harrows when turning.

18	4(4)	WA20MC		CONICAL WASHER - M20
17	4(4)	NU20MZP		NUT - M20
16	4	BO20M60		BOLT - M20 X 60
15	1	FE4033		HARROW CONNECT PLATE - TO BE WELDED
13	1	FE4030		EXTENSION MAIN ARM
12	2	HS3080		CLAMP PLATE FOR DIAMOND ORIENTATION ONLY
11	2	UB3008		U BOLT M20 X 150 X 122 FOR DIAGONAL RHS
11	2	UB3005		U BOLT M20 X 110 X 77 FOR 75 RHS
11	2	UB3004		U BOLT M20 X 135 X 102 for 100 RHS
10	1	FE4020		LOCATOR PLATE
9	2	UB3002		U BOLT - M16
8	1	FE4015		DOUBLE DROPPER
7	1	FE4010		SINGLE DROPPER
6	2	UB4003		U BOLT - M16
5	12	WA16MC		CONICAL WASHER - M16
4	12	NU16MZP		NUT - M16
3	1	UB4002		U BOLT - M16
2	1	RH65654		65 x 65 x 4 RHS LENGTH AS REQD
1	AR	PW4100-40		PRESS WHEEL ASSEMBLY

REF	QTY	PART No	DRG SIZE	DESCRIPTION
ASSY INSTRUCTIONS				
PRESS WHEELS				
				A11065



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Quick Reference Guide
Individual Parts Only – Not Including Fasteners

<i>Part No</i>	<i>Price ex GST</i>	<i>Page</i>
BA5110	\$65.00	8
BA5140	\$65.00	8
BA6200	\$80.00	21
BA6260	\$80.00	21
BE114FL	\$10.00	45&46
BE114UCR3	\$15.00	45&46
BE1228	\$2.00	56
BE1237	\$3.00	56
BE1740	\$4.00	57
BR2010	\$42.00	28
BR2030	\$42.00	28
BR2040	\$42.00	28
BR2050	\$42.00	28
BR2060	\$42.00	28
BR2070	\$42.00	28
BR2080	\$42.00	28
BR2090	\$42.00	28
BR2110	\$42.00	28
BR2160	\$80.00	42
BR2210	\$37.00	40
BR2220	\$37.00	40
BR2240	\$37.00	40
BR2250	\$37.00	40
BR2260	\$37.00	40
BR5810	\$42.00	12
BR5840	\$42.00	12
BT2370	\$95.00	12,28,41
BT2380	\$95.00	12,28,41
BT2390	\$140.00	12,28,41
BT2398	\$10 p/set	12,28,41
BT2399	\$20.00	12,28,41
BT2540	\$55.00	12,28,41
BT2550	\$55.00	12,28,41
BT5540	\$60.00	22
CA65	\$10.00	52&53
CF7160	\$110.00	23
CF7360	\$220.00	23
CF7560	\$220.00	23
CH8X500	\$10.00	45&46
CL2440	\$20.00	36
CL2474	\$20.00	36
CL2494	\$20.00	36
CL2494HF	\$13.00	36
CL2495	\$20.00	36

<i>Part No</i>	<i>Price ex GST</i>	<i>Page</i>
CL2495HF	\$13.00	36
CL2496	\$22.00	36
CL2496HF	\$15.00	36
CL2844	\$20.00	16,31,36
CL2845	\$20.00	16,31,36
CL5240	\$42.00	8
CL6240	\$42.00	21
CL6740	\$42.00	24
FB2710	\$45.00	31
FB2740	\$45.00	31
FB2810	\$5.00	16&31
FB2820	\$5.00	16&31
FB2834	\$42.00	16&31
FB2835	\$42.00	16&31
FB2840	\$78.00	16&31
FB2850	\$78.00	16&31
FB2870	\$30.00	16&31
FB2910	\$45.00	16
FB2940	\$45.00	16
FB5310	\$42.00	8&21
FB5350	\$90.00	22
FB6410	\$42.00	24
FBH2800	\$15.00	31
FBH2980	\$15.00	16
FE4010	\$140.00	53
FE4015	\$290.00	53
FE4020	\$35.00	53
FE4030	\$220.00	53
HA3240	\$950.00	43
HA3250	\$1150.00	43
HA3260	\$1350.00	43
HA3310	\$120.00	45
HA3340	\$170.00	45
HA3350	\$190.00	45
HA3360	\$210.00	45
HA3370	\$70.00	45&46
HA3371	\$35.00	45&46
HA3372	\$5.00	45&46
HA3380	\$70.00	45&46
HA3381	\$35.00	45&46
HA3390	\$20.00	47
HA3410	\$4.00	47
HA3440	\$120.00	47
HA3450	\$130.00	47

<i>Part No</i>	<i>Price ex GST</i>	<i>Page</i>
HA3460	\$140.00	47
HA3500	\$62.00	47
HA3510	\$20.00	47
HA3520	\$4.50	47
HA3520X100	\$400.00	47
HA3710	\$15.00	47
HA3720	\$8.00	47
HA3740	\$950.00	43
HA3750	\$1150.00	43
HC52T	\$5.00	16&31
HC2145	\$2.50	16&31
HK5610	\$50.00	45&46
HK3620	\$5.00	45&46
HL1100	\$15.00	35
HL1110	\$15.00	35
HL5600	\$20.00	9,12,15
HL5610	\$20.00	9,12,15
HS3030	\$210.00	45
HS3040	\$20.00	45
HS3070	\$10.00	45
HS3080	\$15.00	45&53
HS3090	\$8.00	45
HSP3050	\$16.00	51&52
LA6180	\$50.00	21
LA6190	\$75.00	21
LF2510	\$13.00	13&33
LF2520	\$17.00	13&33
LF2530	\$13.00	13&33
LF2540	\$17.00	13&33
LF2550	\$4.00	13&33
LF2570	\$5.00	13&33
LF2580	\$5.00	13&33
LF5420	\$10.00	6
PAB5610	\$6.00	33
PAB5620	\$4.00	33
PC6S	\$2.00	13&33
PC10S	\$2.00	13,33,37
PI3MIN	\$1.20	54-56
PIR41	\$2.00	9,12,15,21,59
PIR45	\$2.00	9,12,15,21,59
PT1120	\$57.00	34
PT1120R	\$57.00	34
PT1130	\$90.00	34

Quick Reference Guide Continued
Individual Parts Only – Not Including Fasteners

<i>Part No</i>	<i>Price exc GST</i>	<i>Page</i>	<i>Part No</i>	<i>Price exc GST</i>	<i>Page</i>	<i>Part No</i>	<i>Price exc GST</i>	<i>Page</i>
PT1130R	\$90.00	34	PW4200	\$170.00	57	SB5210	\$185.00	37
PT1140	\$64.00	34	PW4210	\$150.00	57	SB5230	\$185.00	37
PT1150	\$75.00	34	PW4220	\$150.00	57	SB5250	\$185.00	37
PT1160	\$64.00	34	PW4230	\$150.00	57	SB5280	\$185.00	24&37
PT1160R	\$64.00	34	PW4240	\$170.00	57	SC825	\$0.20	57
PT1170	\$82.00	34	PW4251	\$4.00	57	SE36P6641	\$5.00	57
PT1190	\$82.00	34	PW4265	\$3.50	54&55	SE6PR6518	\$4.00	57
PT1190R	\$82.00	34	PW4266	\$4.00	54&55	SF5420	\$42.00	37
PT1320	\$56.00	41	PW4267	\$7.00	54	SH10D	\$2.50	45&46
PT1340	\$56.00	41	PW4275	\$2.50	54	SL5340	\$95.00	22&24
PT1560	\$105.00	42	PW4276	\$4.00	54&55	SL5510	\$5.00	37
PT1560R	\$105.00	42	PW4280	\$70.00	55	SL5520	\$5.00	8,21,37
PT1580R	\$80.00	35	PW4290	\$70.00	55	SP2880	\$10	16&31
PT1810	\$56.00	40	PW4300	\$100.00	57	SP3011	\$5.00	45
PT1820	\$56.00	40	PW4310	\$80.00	57	SP3012	\$30.00	45&46
PT1830	\$56.00	40	PW4320	\$80.00	57	SP3013	\$40.00	45&46
PT1840	\$56.00	40	PW4330	\$80.00	57	SP3701	\$135.00	47
PT1850	\$56.00	40	PW4340	\$100.00	57	SP4011	\$15.00	54-56
PT1860	\$56.00	40	PW4350	\$34.00	57	SP4012	\$15.00	49&54-56
PT1865	\$69.00	40	PW4360	\$26.00	57	SW1210	\$25.00	32
PT1870	\$56.00	40	PW4370	\$10.00	57	SW1220	\$25.00	32
PT1890	\$87.00	40	PW4380	\$2.50	57	SW1270	\$25.00	32
PT1930	\$42.00	35&40	PW4390	\$4.00	57	SW5270	\$125.00	8
PT1940	\$48.00	35	PW4405	\$80.00	56	SW5280	\$130.00	8
PT1962	\$69.00	35	PW4415	\$4.00	56	SW5290	\$130.00	8
PT1963	\$81.00	35	PW4420	\$80.00	56	SW6270	\$125.00	21
PT1964	\$87.00	35	PW4440	\$15.00	49&57	SW6290	\$130.00	21
PT5040	\$65.00	24	PW4450	\$40.00	56	SW6820	\$125.00	21
PT5050	\$78.00	24	PW4460	\$0.60	56	TA3120	\$240.00	45
PT5060	\$65.00	22	PW4470	\$0.90	56	TA3130	\$90.00	41
PT5070	\$78.00	22	PW4480	\$2.50	56	TG1170	\$18.00	28
PT5640	\$69.00	9,11,15	PW4500	\$60.00	56	TG1173	\$3.00	28&56
PT5650	\$90.00	9,11,15	PW4550	\$6.00	55&56	TG1175	\$3.00	28&56
PT5660	\$69.00	9,11,15	PW4560	\$16.00	55&56	TG5730	\$19.00	12
PT5670	\$90.00	9,11,15	PW4580	\$4.00	54-56	TG5750	\$19.00	12
PT6040	\$65.00	24	PW4590	\$3.00	54-56	TSP	\$1.50	31&55
PT6050	\$78.00	24	PWR4285	\$5.00	55	UB2005	\$3.00	
PT6640	\$69.00	21	PWS57	\$2.00	55&56	UB5620	\$3.00	
PT6650	\$90.00	21	SB5110	\$120.00	37	XTA3123	\$5.00	41&42
PW4000	\$220.00	56	SB5130	\$120.00	37	XTA3132	\$12.00	39
			SB5150	\$120.00	37			

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