



2023 CATALOGUE

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

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E&OE

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Issued: January 2023

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

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Looking for a specific part number? Use this!

NT19 ADJUSTA-POINT & MULTI-BOOT SEEDING KITS

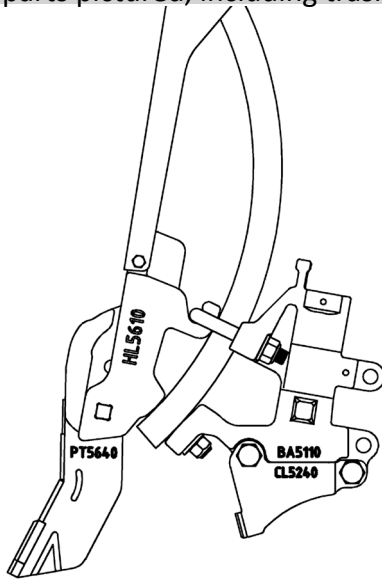
SUITS: Double-bolt C-Shank and Edge-On tynes with 1/2" bolt holes (Examples listed on page 7)

- *Modular system *Four Adjusta-Point options (pictured on page 6) *Single-Row or Paired-Row
- * Single or Dual Shoot * Option for liquid in knife point slot and/or with seed * Trashguard included

NT19 MULTIBOOT SEEDING KIT - SINGLE ROW

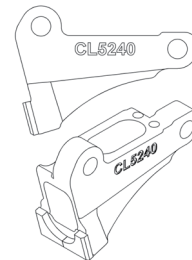
\$260 - \$290 +GST

Included: All parts pictured, including trashguard & fasteners.



CLOSING TOOL OPTION

CL5240



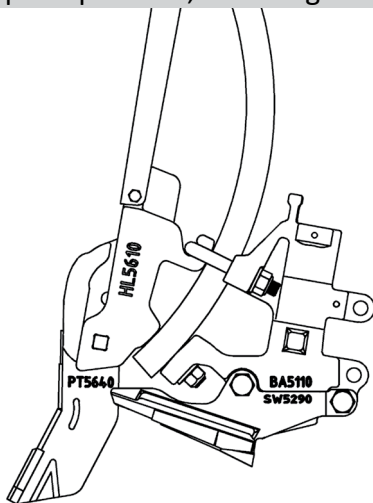
*Single-Row
45mm Closer*

SEE PAGE 7
FOR PART #'S
AND PRICING

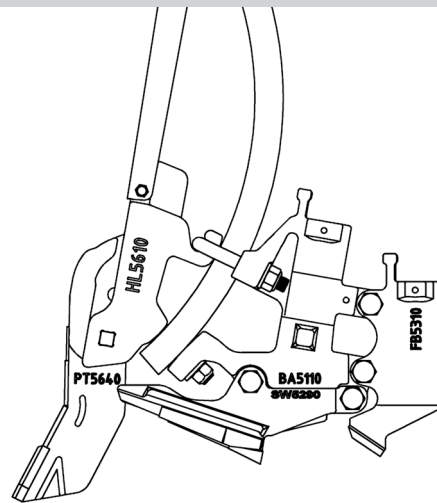
NT19 MULTIBOOT SEEDING KIT - PAIRED ROW

\$355 - \$445 +GST

Included: All parts pictured, including trashguard & fasteners.



SINGLE SHOOT

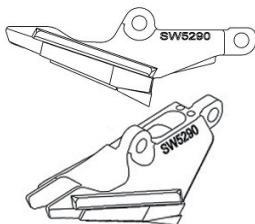


DUAL SHOOT

SEE PAGE 7
FOR PART #'S
AND PRICING

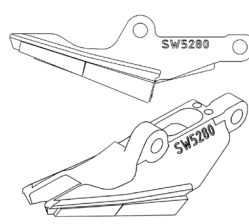
PAIRED-ROW WING CLOSING TOOL OPTIONS

SW5290



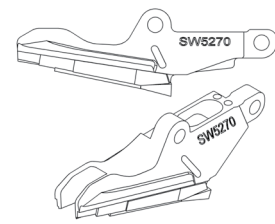
*Paired-Row
95mm Seeker Wing
~75mm rows*

SW5280



*Paired-Row
85mm Seeker Wing
~65mm rows*

SW5270



*Paired-Row
75mm Seeker Wing
~55mm rows*

SEE PAGE 6 FOR POINT OPTIONS TO SUIT THESE SEEDING KITS

ADJUSTA-POINT OPTIONS FOR NT19 MULTI BOOT KITS

* Four 14mm Adjusta-Point options

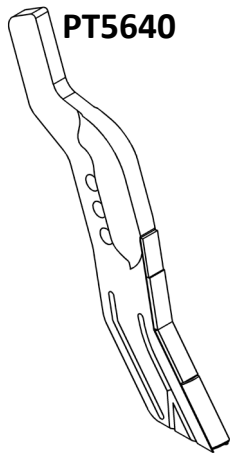
* Three height settings

* Lo-Thro or Straight profiles

* Two different lengths

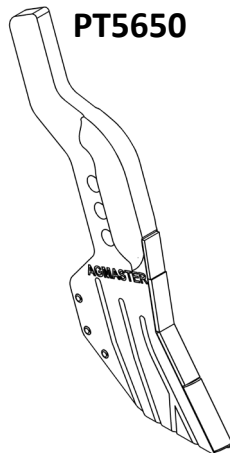
* Liquid or Standard available in both lengths/profiles

The kits pictured on page 5 have the PT5640 point.



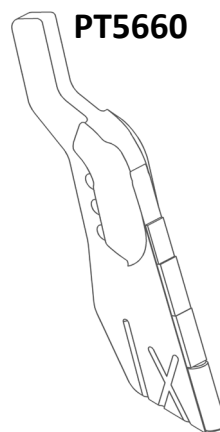
PT5640

Adjusta-Point
14mm Lo-Thro
Standard



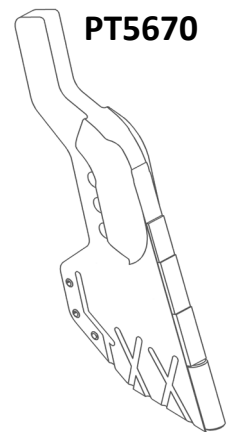
PT5650

Adjusta-Point
14mm Lo-Thro
Liquid



PT5660

Adjusta-Point
14mm Straight
Standard



PT5670

Adjusta-Point
14mm Straight
Liquid

MULTI-BOOT ASSEMBLIES (NO POINT)

SUITS: Double-bolt C-Shank and Edge-On tynes with 1/2" bolt holes (Examples listed on page 7)

* Behind-tyne assembly

* Compatible with NT19 and NT11 Point & Holder Systems

* Modular system

* Single or Dual Shoot

* Single-Row or Paired-Row

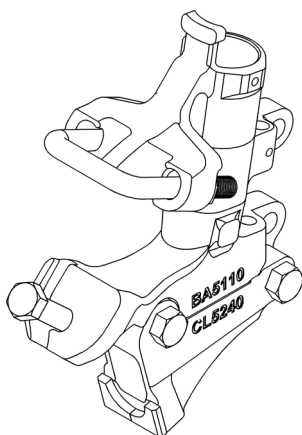
* Provision for liquid in knife point slot and/or with seed

MULTIBOOT ONLY ASSEMBLIES

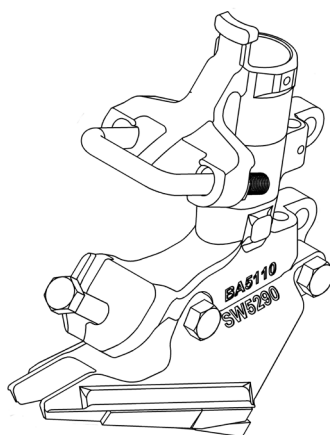
Included: All parts pictured, including fasteners.

\$125 - \$280 +GST

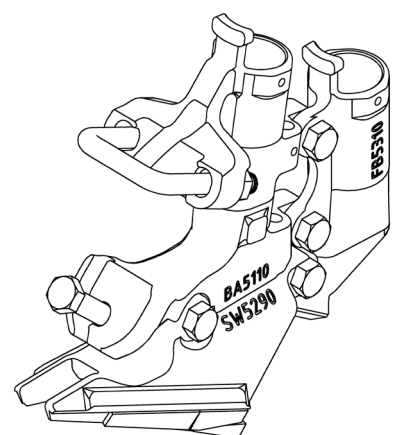
SEE PAGE 7
FOR PART #'S
AND PRICING



Single Row
Single Shoot



Paired-Row
Single Shoot



Paired-Row
Dual Shoot

SEE PAGE 8 FOR NT19 MULTIBOOT SPARE PARTS

NT19 ADJUSTA-POINT & MULTIBOOT PRICES & PART NUMBERS MATRIX

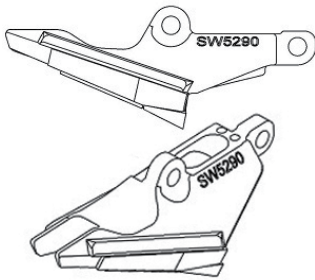
INSTRUCTIONS:			TYNE CLASS 1:		TYNE CLASS 2:		TYNE CLASS 3:				
1. Identify "Tyne Class" relevant to your machine/tyne 2. Select point from left column 3. Select boot/closer from top row 4. Find part number & price relevant to your tyne class where your point & boot choice intersect			Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Flexicoil 350lb (holes reamed to 1/2"), Morris 400lb, Bourgault, Ezee-On, Horwood Bagshaw C-Shank, Shearer Universal*		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic		Suits Edge-On tynes (wide foot with narrow shank) Examples: Horwood Bagshaw Scaribar, Gason Scari/Hydra Till, Simplicity				
FOR TYNES NOT LISTED UNDER ANY OF THE THREE CLASSIFICATIONS, PLEASE CONTACT AGMASTER											
BOOTS MultiBoot Options POINTS NT19 14mm Adjusta-Point			SINGLE ROW		PAIRED ROW/SINGLE SHOOT		PAIRED ROW/DUAL SHOOT		POINT & HOLDER ONLY KIT		
			CL5240 45mm Closer	SW5290 95mm Wing	SW5280 85mm Wing	SW5270 75mm Wing	SW5290 95mm Wing & Dual Shoot Fert Boot	SW5280 85mm Wing & Dual Shoot Fert Boot	SW5270 75mm Wing & Dual Shoot Fert Boot	NO BOOT NT19 Point & Holder Kits include pins but no bolts	
C-SHANK TYNE #1	PMB64611124	\$260 +GST	PMB64611129	\$365 +GST	PMB64611128	\$355 +GST	PMB64611127	\$355 +GST	PMB646112931		\$405 +GST
C-SHANK TYNE #2	PMB64611324		PMB64611329		PMB64611328		PMB64611327		PMB6461132931		PTH6461
EDGE-ON TYNE #3	PMB64611424		PMB64611429		PMB64611428		PMB64611427		PMB6461142931		PTH6461
C-SHANK TYNE #1	PMB65611124	\$290 +GST	PMB65611129	\$395 +GST	PMB65611128	\$385 +GST	PMB65611127	\$385 +GST	PMB656112931	\$435 +GST	PTH6561
C-SHANK TYNE #2	PMB65611324		PMB65611329		PMB65611328		PMB65611327		PMB6561132931		PTH6561
EDGE-ON TYNE #3	PMB65611424		PMB65611429		PMB65611428		PMB65611427		PMB6561142931		PTH6561
C-SHANK TYNE #1	PMB66611124	\$260 +GST	PMB66611129	\$365 +GST	PMB66611128	\$355 +GST	PMB66611127	\$355 +GST	PMB666112931	\$405 +GST	PTH6661
C-SHANK TYNE #2	PMB66611324		PMB66611329		PMB66611328		PMB66611327		PMB6661132931		PTH6661
EDGE-ON TYNE #3	PMB66611424		PMB66611429		PMB66611428		PMB66611427		PMB6661142931		PTH6661
C-SHANK TYNE #1	PMB67611124	\$290 +GST	PMB67611129	\$395 +GST	PMB67611128	\$385 +GST	PMB67611127	\$385 +GST	PMB676112931	\$435 +GST	PTH6761
C-SHANK TYNE #2	PMB67611324		PMB67611329		PMB67611328		PMB67611327		PMB6761132931		PTH6761
EDGE-ON TYNE #3	PMB67611424		PMB67611429		PMB67611428		PMB67611427		PMB6761142931		PTH6761
C-SHANK TYNE #1	BMB1124	\$125 +GST	BMB1129	\$230 +GST	BMB1128	\$220 +GST	BMB1127	\$220 +GST	BMB112931	\$270 +GST	* If ordering for a Shearer Universal, please make sure this is noted when you order so the correct trashguard is supplied
C-SHANK TYNE #2	BMB1324		BMB1329		BMB1328		BMB1327		BMB132931		
EDGE-ON TYNE #3	BMB1424		BMB1429		BMB1428		BMB1427		BMB142931		

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

NT19 MULTI-BOOT REPLACEMENT PARTS

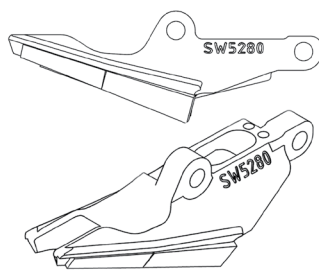
Replacement Closing Tools

SW5290



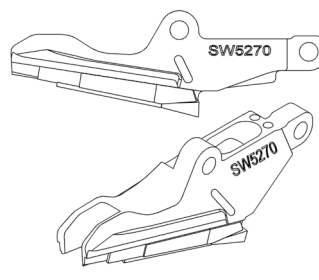
Paired-Row
95mm Seeker Wing
~75mm rows

SW5280



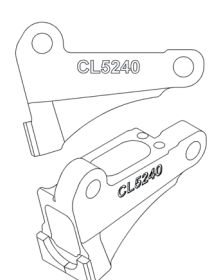
Paired-Row
85mm Seeker Wing
~65mm rows

SW5270



Paired-Row
75mm Seeker Wing
~55mm rows

CL5240

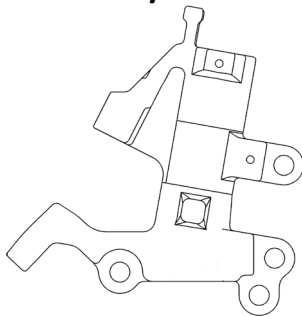


Single-Row
45mm Closer

			Exc	Inc
SW5290	*	95mm Seeker Wing for Multi Boot; paired rows 75mm apart	\$155.00	\$170.50
SW5280	*	85mm Seeker Wing for Multi Boot; paired rows 65mm apart	\$145.00	\$159.50
SW5270	*	75mm Seeker Wing for Multi Boot; paired rows 55mm apart	\$145.00	\$159.50
CL5240	*	45mm Closer for Multi Boot; single row	\$ 50.00	\$ 55.00

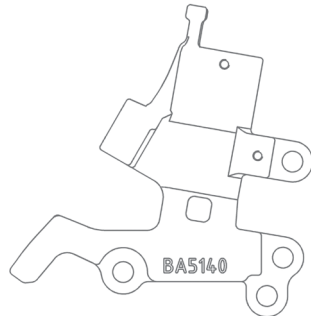
Boot Adaptors & Other Parts

BA5110/BA5120



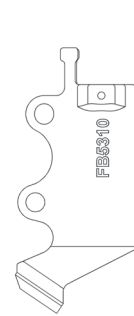
Boot Adaptor
Flat 50mm Tynes

BA5140



Boot Adaptor
Edge-On 30mm Tynes

FB5310



Dual Shoot
Dry Fertiliser Boot

LF5420



Liquid Fertiliser
Tube 2018-2022

LF5530



Liquid Fertiliser
Tube 2023

LF5520

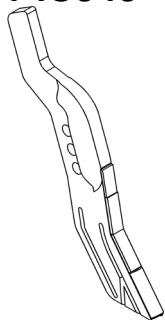


Wetting Agent/
Liquid w Seed Tube

			Exc	Inc
BA5110	**	Boot Adaptor C-Shank; mount for above closing tool options and fertiliser boot on standard curved 50mm c-shank tynes	\$ 70.00	\$ 77.00
BA5120	**	Boot Adaptor C-Shank 2023; mount for above closing tool options and fertiliser boot on standard curved 50mm c-shank tynes with improved behind-point liquid delivery	\$ 70.00	\$ 77.00
BA5140	**	Boot Adaptor Edge-On; mount for above closing tool options and fertiliser boot on 30mm edge-on tynes	\$ 70.00	\$ 77.00
FB5310	*	Optional Dry Fertiliser Boot; drops fertiliser in between paired row for dual-shoot when used with Paired-Row Wings	\$ 50.00	\$ 55.00
LF5420		Liquid Fertiliser Tube; stainless steel tube for directing liquid fertiliser to back of point. <u>Suits BA5110 boot adaptor.</u>	\$ 10.00	\$ 11.00
LF5530		Liquid Fertiliser Tube 2023; straight stainless steel tube for directing liquid fertiliser to back of point. <u>Suits BA5120 boot adaptor.</u>		
LF5520	***	Liquid Fertiliser Tube; stainless steel tube for applying liquid with seed 1 required per <u>seed row</u>	\$ 5.00ea	\$ 5.50ea
*		Requires 2 x BNW122 1/2" X 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
**		Requires 1 x UBN5611 or UBN2001 M12 U-bolt w/ Nuts & Washers	\$ 5.00ea	\$ 5.50ea
<i>U-Bolt required depends on point and holder being used. UBN5611 for NT19 Adjusta-point and UBN2001 NT11. Also requires 1x bolt to go through tyne; size varies between machines. Call Agmaster if assistance is required.</i>				
***		Requires 1x BO6M10S M6 X 10 Bolt (1 Required per tube)	\$ 0.50ea	\$ 0.55ea

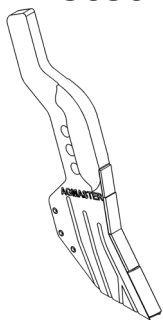
Points (Cast Mild Steel)

PT5640



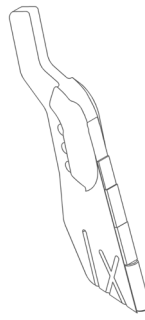
Adjusta-Point
14mm Lo-Thro
Standard

PT5650



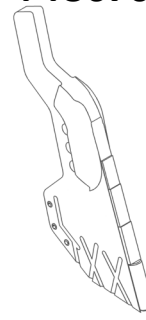
Adjusta-Point
14mm Lo-Thro
Liquid

PT5660



Adjusta-Point
14mm Straight
Standard

PT5670

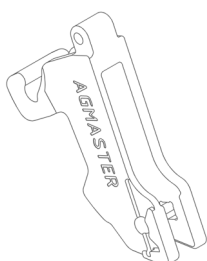


Adjusta-Point
14mm Straight
Liquid

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$ 85.00	\$ 93.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$110.00	\$121.00
PT5660	14mm Adjusta-Point Straight Standard	\$ 85.00	\$ 93.50
PT5670	14mm Adjusta-Point Straight Liquid	\$110.00	\$121.00

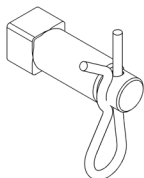
Holders & Fasteners

HL5610



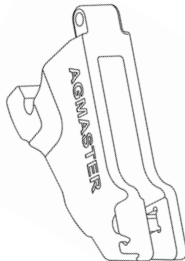
Adjusta-Point
Holder 2021
Uses pin PIR41

PIR41



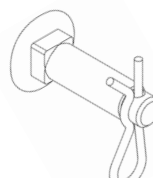
12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610

HL5600



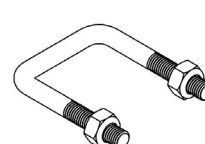
Adjusta-Point
Holder 2018-2020
Uses Pin PIR45

PIR45



12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600

UBN5611



U-Bolt to secure
point holder
& boot adapter

		Exc	Inc
HL5610	Adjusta-Point Holder 2021- current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for Adjusta-Point 2021	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for Adjusta-Point 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5	\$ 0.20	\$ 0.22
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-Bolt 90x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Seeker	\$ 5.00	\$ 5.50
UBN5613	M12 U-Bolt Bent 80x52 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	\$ 4.00	\$ 4.40

NT19 ADJUSTA-POINT & RIGID BOOT SEEDING KITS

SUITS: Double-bolt C-Shank and Edge-On tynes with 1/2" bolt holes (Examples listed on page 11)

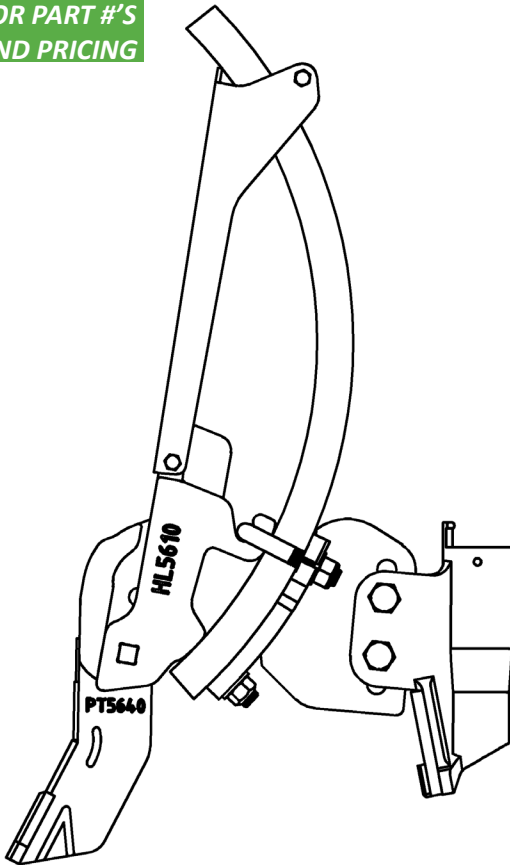
- * Progression of our popular NT11 Point & Rigid Boot Kits
- * Multiple height-adjustable seeding boots
- * Four Adjusta-Point options
- * Single or Dual Shoot
- * Easy access pin and bolts
- * Option for liquid in knife point slot and/or with seed (select boots only)
- * Trashguard included

NT19 RIGID BOOT

Included: All parts pictured, including trashguard & fasteners.

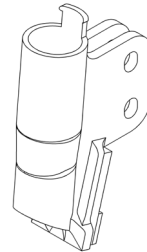
\$255 - \$380 +GST

SEE PAGE 11
FOR PART #'S
AND PRICING



BOOT OPTIONS

BT2540/BT2550

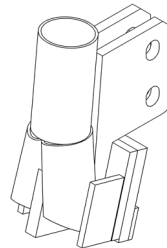


Standard Single Shoot Boot
40mm or 50mm Closer

Wetter with Seed Option

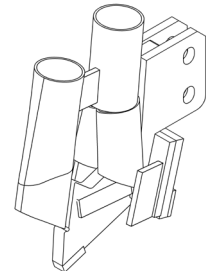
Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550

BT2370



"Y" Tube Single Shoot Boot
65mm Closer

BT2390



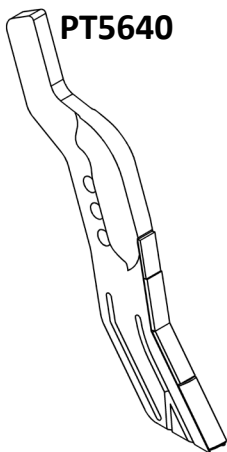
Dual Shoot Boot
65mm Closer

Pipe size at top of all boots is 38.4mm inside diameter. Cast boots (BT2540/BT2550) taper down to 32mm to suit narrower hose sizes.

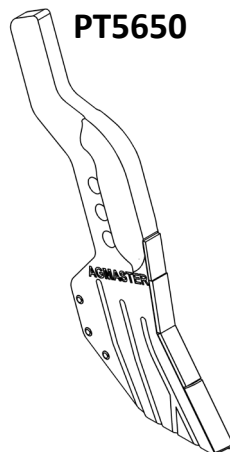
ADJUSTA-POINT OPTIONS FOR NT19 RIGID BOOT KITS

- * Four 14mm Adjusta-Point options
- * Three height settings
- * Lo-Thro or Straight profiles
- * Two different lengths
- * Liquid or Standard available in both lengths/profiles

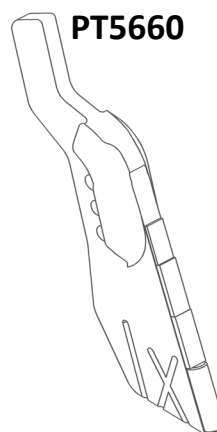
The kit pictured above has the PT5640 point.



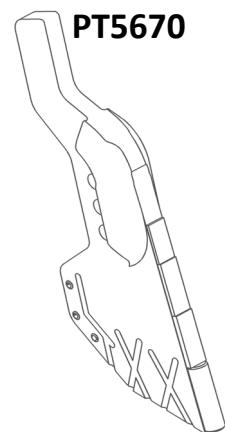
Adjusta-Point
14mm Lo-Thro
Standard



Adjusta-Point
14mm Lo-Thro
Liquid



Adjusta-Point
14mm Straight
Standard



Adjusta-Point
14mm Straight
Liquid

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

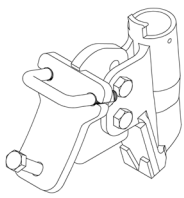
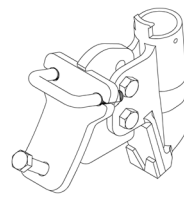
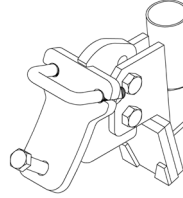
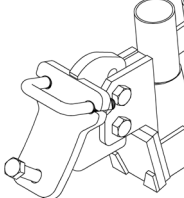
NT19 ADJUSTA POINT & RIGID BOOT SEEDING KITS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

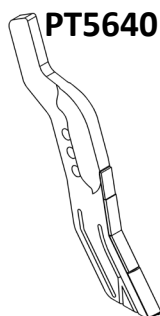
3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

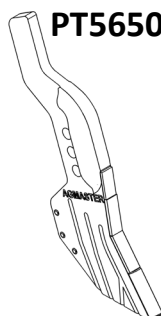
C-SHANK TYNE CLASS 1:		Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank															
C-SHANK TYNE CLASS 2:		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic															
EDGE-ON TYNE CLASS 3:		Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes Examples: Horwood Bagshaw ScariBar, Gason Scari/Hydra Till & Shearer Universal															
FOR TYNES NOT LISTED UNDER ANY OF THE THREE CLASSIFICATIONS, PLEASE CONTACT AGMASTER																	
BOOTS Rigid Boot Options  POINTS NT19 14mm Adjusta-Point		BT2540 40mm Closer		BT2550 50mm Closer		BT2370 'Y' 65mm Closer		BT2390 65mm Closer Dual Shoot		POINT & HOLDER KIT NO BOOT NT19 Point & Holder Kits include pins but no bolts							
																	
C-SHANK #1		PT5640 Lo-Thro Standard		PHB64618154		PHB64618155		PHB64618137		PHB64618139		PTH6461					
C-SHANK #2			\$255 +GST	PHB64618354		PHB64618355		\$255 +GST	PHB64618337		\$310 +GST	PHB64618339		\$355 +GST	PTH6461		\$110 +GST
EDGE-ON #3				PHB64618454		PHB64618455			PHB64618437		PHB64618439		PTH6461				
C-SHANK #1		PT5650 Lo-Thro Liquid		PHB65618154		PHB65618155		PHB65618137		PHB65618139		PTH6561					
C-SHANK #2			\$280 +GST	PHB65618354		PHB65618355		\$280 +GST	PHB65618337		\$335 +GST	PHB65618339		\$380 +GST	PTH6561		\$135 +GST
EDGE-ON #3				PHB65618454		PHB65618455			PHB65618437		PHB65618439		PTH6561				
C-SHANK #1		PT5660 Straight Standard		PHB66618154		PHB66618155		PHB66618137		PHB66618139		PTH6661					
C-SHANK #2			\$255 +GST	PHB66618354		PHB66618355		\$255 +GST	PHB66618337		\$310 +GST	PHB66618339		\$355 +GST	PTH6661		\$110 +GST
EDGE-ON #3				PHB66618454		PHB66618455			PHB66618437		PHB66618439		PTH6661				
C-SHANK #1		PT5670 Straight Liquid		PHB67618154		PHB67618155		PHB67618137		PHB67618139		PTH6761					
C-SHANK #2			\$280 +GST	PHB67618354		PHB67618355		\$280 +GST	PHB67618337		\$335 +GST	PHB67618339		\$380 +GST	PTH6761		\$135 +GST
EDGE-ON #3				PHB67618454		PHB67618455			PHB67618437		PHB67618439		PTH6761				
C-SHANK #1	NO POINT NT19 Boot & Bracket kits will only fit with NT19 Adjusta-Points			BRB8154		BRB8155		BRB8137		BRB8139							
C-SHANK #2			\$120 +GST	BRB8354		BRB8355		\$120 +GST	BRB8337		\$175 +GST	BRB8339		\$220 +GST			
EDGE-ON #3				BRB8454		BRB8455			BRB8437			BRB8439					

NT19 RIGID BOOT REPLACEMENT PARTS

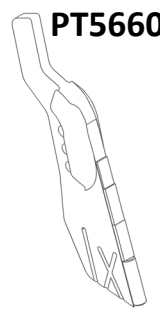
Points – Cast Mild Steel



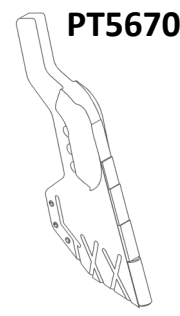
Adjusta-Point
14mm Lo-Thro
Standard



Adjusta-Point
14mm Lo-Thro
Liquid



Adjusta-Point
14mm Straight
Standard



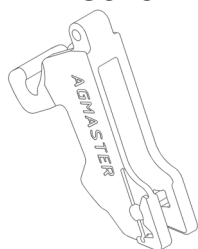
Adjusta-Point
14mm Straight
Liquid

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$ 85.00	\$ 93.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$110.00	\$121.00
PT5660	14mm Adjusta-Point Straight Standard	\$ 85.00	\$ 93.50
PT5670	14mm Adjusta-Point Straight Liquid	\$110.00	\$121.00

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

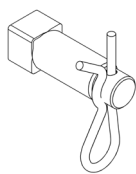
Holders & Fasteners

HL5610



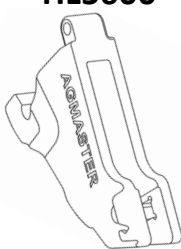
Adjusta-Point
Holder 2021
Uses pin PIR41

PIR41



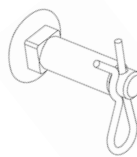
12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610

HL5600



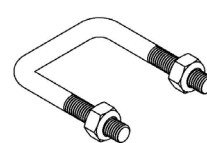
Adjusta-Point
Holder 2018-2020
Uses Pin PIR45

PIR45



12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600

UBN5611

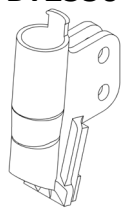


U-Bolt to secure
point holder
& boot adapter

		Exc	Inc
HL5610	Adjusta-Point Holder 2021 - current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for Adjusta-Point 2021	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for Adjusta-Point 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5	\$ 0.20	\$ 0.22
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Multi-Boot	\$ 5.00	\$ 5.50
UBN5612*	M12 U-Bolt 90x52 w/ Nuts & Washers - for Adjusta-Point to NT11 Seeker	\$ 5.00	\$ 5.50
UBN5613	M12 U-Bolt Bent 80x52 w/Nuts & Washers - for Adjusta-Point to NT11 Rigid Bt	\$ 5.00	\$ 5.50
	* Requires 1x UB5620 - Backing Plate for Adjusta-point to NT11 Seeker Boot	\$ 4.00	\$ 4.40

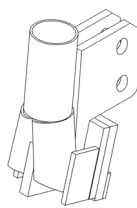
Boots & Brackets

BT2540 BT2550



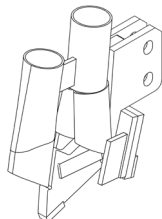
Standard Single
Shoot Boot
40 or 50mm Closer

BT2370



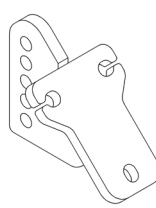
"Y" Tube
Single Shoot Boot
65mm Closer

BT2390



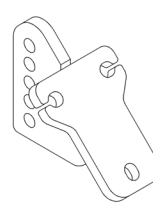
Dual Shoot Boot
65mm Closer

BR5810



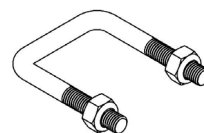
NT19 C-Shank
Bracket for
Rigid Boots

BR5840



NT19 Edge-On
Bracket for
Rigid Boots

UBN5611



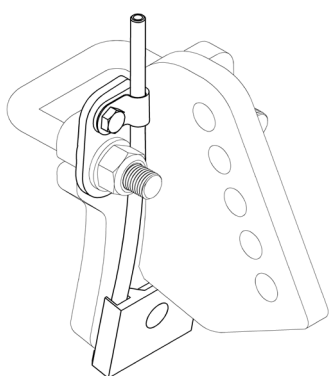
U-bolt for point
holder & bracket

Wetter with Seed Option: Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

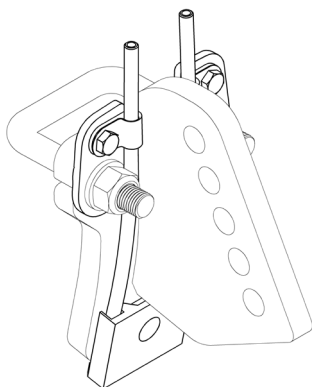
**SEE PAGE 39 FOR REPLACEMENT
WELD-ON CLOSER PLATES**

		Exc	Inc
BR5810	NT19 C-Shank Rigid Boot Bracket	\$ 55.00	\$ 60.50
BR5840	NT19 Edge-On Rigid Boot Bracket	\$ 55.00	\$ 60.50
BT2540	40mm Closer Single Shoot recommended for use with 12mm Point	\$ 60.00	\$ 66.00
BT2550	50mm Closer Single Shoot recommended for use with 16mm Point	\$ 60.00	\$ 66.00
BT2370	65mm Closer with 'Y' Tube Single Shoot	\$115.00	\$126.50
BT2380	65mm Closer with Side-by-Side Tubes. <i>Obsolete when stock exhausted</i>	\$115.00	\$126.50
BT2390	65mm Closer Dual Shoot with 'Y' seed spreader at front and fertiliser tube behind	\$160.00	\$176.00
BT2399	Split Fert Knife Weld-on	\$ 22.00	\$ 24.20
BT2398	Split Boot Side Pipe Protectors hardfaced (<i>price per set of 2</i>)	\$ 10.00	\$ 11.00
BNW122	½" x 2" Bolt, Nut & Washer for securing boot to bracket (2 required per boot)	\$ 3.00	\$ 3.30

NT19 RIGID BOOT LIQUID KITS



Liquid Kit Single



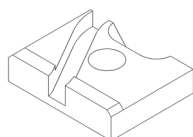
Liquid Kit Double

	Exc	Inc
Liquid Kit - Single	\$ 26.00	\$ 28.60
Liquid Kit - Double	\$ 42.00	\$ 46.20

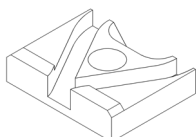
LFK51	NT19/NT11 Liquid Fertiliser Kit - Single to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit - Double to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit - Single to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser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

NT19/NT11 Liquid Kit Parts



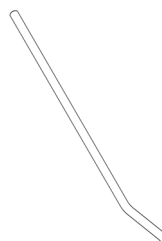
LF2510
LF2530



LF2520
LF2540



LF2550



LF2570
LF2580



PC6S
PC10S

		Exc	Inc
LF2510	Liquid Fertiliser Clamp Plate - Single - Suit 3mm tube/6mm casing	\$ 15.00	\$ 16.50
LF2520	Liquid Fertiliser Clamp Plate - Double - Suit 3mm tube/6mm casing	\$ 20.00	\$ 22.00
LF2530	Liquid Fertiliser Clamp Plate - Single - Suit 4-6mm tube/10mm casing	\$ 15.00	\$ 16.50
LF2540	Liquid Fertiliser Clamp Plate - Double - Suit 4-6mm tube/10mm casing	\$ 20.00	\$ 22.00
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

NT19 ADJUSTA-POINT & FLEXIBOOT SEEDING KITS

SUITS: Double-bolt C-Shank and Edge-On tynes with 1/2" bolt holes (Examples listed on page 15)

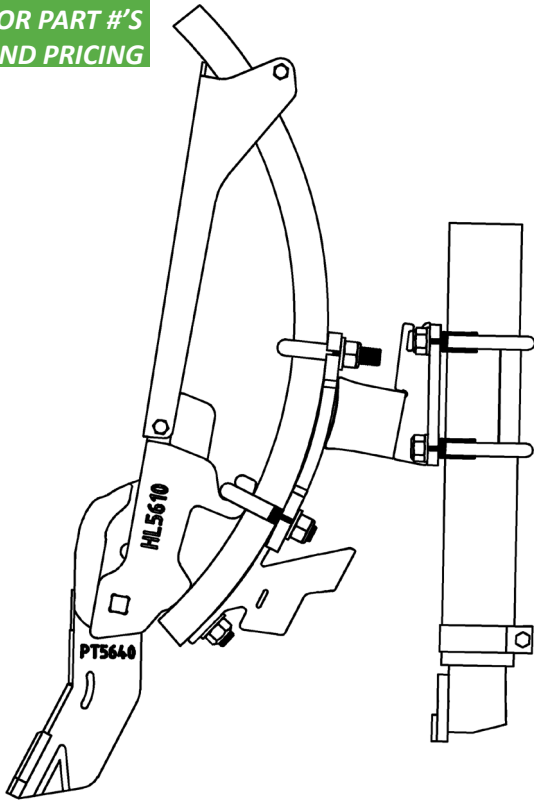
- * Progression of our NT11 Point & Flexiboot Kits
- * Four Adjusta-Point options
- * Height-adjustable flexible boot made with hydraulic hose and inner spring
- * Single or Dual Shoot
- * Easy access pin and bolts
- * Option for liquid in knife point slot (using modified liquid kit)
- * Trashguard included

NT19 FLEXIBOOT

Included: All parts pictured, including trashguard & fasteners.

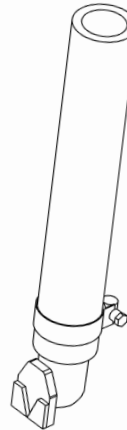
\$325 - \$350 +GST

SEE PAGE 15
FOR PART #'S
AND PRICING



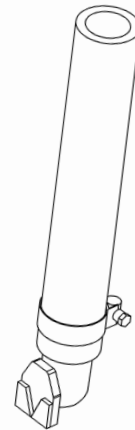
BOOT OPTIONS

FB2840



Flexiboot with 40mm Closer
Recommended width

FB2850

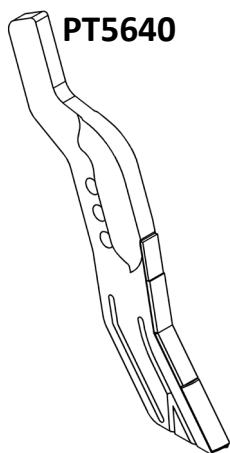


Flexiboot with 50mm Closer

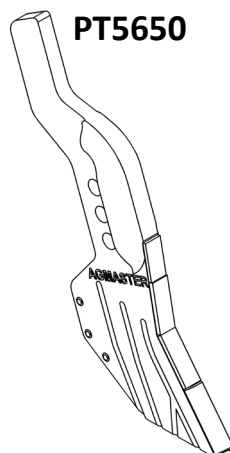
Pipe size of boots is 38 mm inside diameter.

ADJUSTA-POINT OPTIONS FOR NT19 FLEXIBOOT KITS

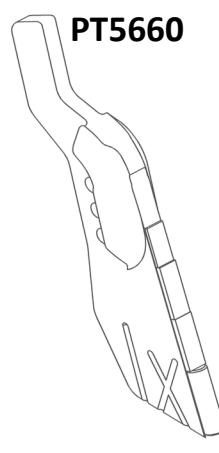
- * Four 14mm Adjusta-Point options
 - * Three height settings
 - * Lo-Thro or Straight profiles
 - * Two different lengths
 - * Liquid or Standard available in both lengths/profiles
- The kit pictured above has the PT5640 point.



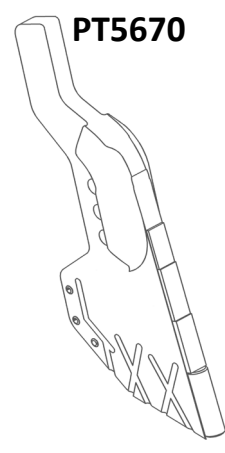
Adjusta-Point
14mm Lo-Thro
Standard



Adjusta-Point
14mm Lo-Thro
Liquid



Adjusta-Point
14mm Straight
Standard



Adjusta-Point
14mm Straight
Liquid

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 Flexiboots in the past. See page 13 for liquid kits and contact Agmaster for more information if required.

NT19 ADJUSTA POINT & FLEXIBOOT SEEDING KITS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

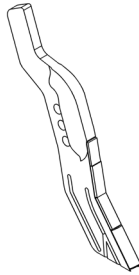
C-SHANK TYNE CLASS 1:		Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings <u>Examples:</u> Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank					
C-SHANK TYNE CLASS 2:		Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings <u>Examples:</u> Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic					
EDGE-ON TYNE CLASS 3:		Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes <u>Examples:</u> Horwood Bagshaw ScariBar, Gason Scari/Hydra Till, Shearer Universal, Simplicity					
FOR TYNES NOT LISTED UNDER ANY OF THE THREE CLASSIFICATIONS, PLEASE CONTACT AGMASTER							
BOOTS Flexiboot Options POINTS NT19 14mm Adjusta-Point		FLEXIBOOT & BRACKET		POINT & HOLDER			
		FB2840 40mm Closer (Recommended)	FB2850 50mm Closer				
				NO BOOT NT19 Point & Holder Kits include pins but no bolts			
C-SHANK TYNE #1		PHB64619184		PHB64619185	PTH6461		
C-SHANK TYNE #2		PHB64619384	\$325 +GST	PHB64619385	\$325 +GST	PTH6461	\$110 +GST
EDGE-ON TYNE #3		PHB64619484		PHB64619485		PTH6461	
C-SHANK TYNE #1		PHB65619184		PHB65619185	PTH6561		
C-SHANK TYNE #2		PHB65619384	\$350 +GST	PHB65619385	\$350 +GST	PTH6561	\$135 +GST
EDGE-ON TYNE #3		PHB65619484		PHB65619485		PTH6561	
C-SHANK TYNE #1		PHB66619184		PHB66619185	PTH6661		
C-SHANK TYNE #2		PHB66619384	\$325 +GST	PHB66619385	\$325 +GST	PTH6661	\$110 +GST
EDGE-ON TYNE #3		PHB66619484		PHB66619485		PTH6661	
C-SHANK TYNE #1		PHB67619184		PHB67619185	PTH6761		
C-SHANK TYNE #2		PHB67619384	\$350 +GST	PHB67619385	\$350 +GST	PTH6761	\$135 +GST
EDGE-ON TYNE #3		PHB67619484		PHB67619485		PTH6761	
C-SHANK TYNE #1	NO POINT NT19 Boot & Bracket kits will only fit with NT19 Adjusta-Points	BRB9184		BRB9185			
C-SHANK TYNE #2		BRB9384	\$190 +GST	BRB9385	\$190 +GST		
EDGE-ON TYNE #3		BRB9484		BRB9485			

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

NT19 FLEXI BOOT REPLACEMENT PARTS

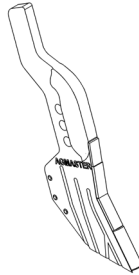
Points (Cast Mild Steel)

PT5640



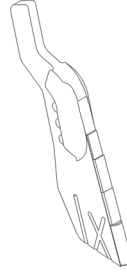
*Adjusta-Point
14mm Lo-Thro
Standard*

PT5650



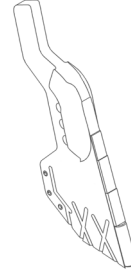
*Adjusta-Point
14mm Lo-Thro
Liquid*

PT5660



*Adjusta-Point
14mm Straight
Standard*

PT5670

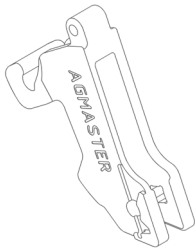


*Adjusta-Point
14mm Straight
Liquid*

		Exc	Inc
PT5640	14mm Adjusta-Point Lo-Thro Standard	\$ 85.00	\$ 93.50
PT5650	14mm Adjusta-Point Lo-Thro Liquid	\$110.00	\$121.00
PT5660	14mm Adjusta-Point Straight Standard	\$ 85.00	\$ 93.50
PT5670	14mm Adjusta-Point Straight Liquid	\$110.00	\$121.00

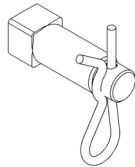
Holders & Fasteners

HL5610



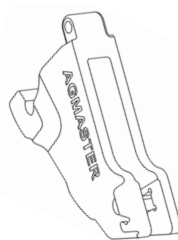
*Adjusta-Point
Holder 2021
Uses pin PIR41*

PIR41



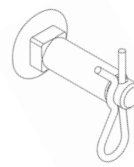
*12mm Square Head
Pin & R Clip for
Adjusta-Point
For holder HL5610*

HL5600



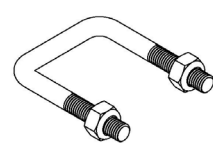
*Adjusta-Point
Holder 2018-2020
Uses Pin PIR45*

PIR45



*12mm Cuphead Pin
& R Clip for
Adjusta-Point
For holder HL5600*

UBNXXXX



*U-Bolt to secure
point holder
& boot adapter*

		Exc	Inc
HL5610	Adjusta-Point Holder 2021 - current	\$25.00	\$27.50
PIR41	Pin 12mm x 41mm Square & R Clip for Adjusta-Point 2021	\$ 2.00	\$ 2.20
HL5600	Adjusta-Point Holder 2018-2020	\$25.00	\$27.50
PIR45	Pin 12mm x 45mm Cup Head & R Clip for Adjusta-Point 2018-2020	\$ 2.00	\$ 2.20
PI12A41	Pin 12mm x 41mm Square for Adjusta-Point 2021	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm Cup Head for Adjusta-Point 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5	\$ 0.20	\$ 0.22
UBN2001	M12 U-Bolt 65x52 w/ Nuts & Washers - for Adjusta-Point to Flexiboot	\$ 5.00	\$ 5.50
UBN2002	M12 U-Bolt 90x30 w/ Nuts & Washers - Edge-On Tyne top U-Bolt	\$ 5.00	\$ 5.50
UBN5611	M12 U-Bolt 80x52 w/ Nuts & Washers - for Adjusta-Point to Flexiboot (Edge-On Tyne bottom u-bolt)	\$ 5.00	\$ 5.50

Flexi Boots & Other Parts



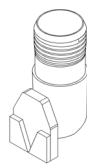
FB2840
FB2850



FB2870



HC52T



FB2834
FB2835



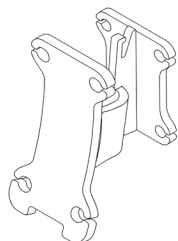
CL2844
CL2845



SP2880

		Exc	Inc
FB2870	Flexi Boot hose 340mm long	\$ 30.00	\$ 33.00
HC52T	Hose Clamp	\$ 5.00	\$ 5.50
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$ 90.00	\$ 99.00
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$ 90.00	\$ 99.00
FB2834	Hose Insert with 40mm Closer	\$ 48.00	\$ 52.80
FB2835	Hose Insert with 50mm Closer	\$ 48.00	\$ 52.80
CL2844	Closer Plate, weld-on, 40mm wide	\$ 25.00	\$ 27.50
CL2845	Closer Plate, weld-on, 50mm wide	\$ 25.00	\$ 27.50
SP2880	Spring Inner 200 x 37	\$ 10.00	\$ 11.00

Brackets & Fasteners



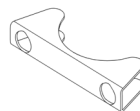
FB2910
FB2940



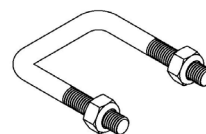
FB2980



FB2810



FB2820



UBN2001
UBN2002



UBN2007

		Exc	Inc
FB2910	* Suits two bolt flat-on tynes	\$ 60.00	\$ 66.00
FB2940	** Suits two bolt edge on tynes	\$ 60.00	\$ 66.00
FBH2980	Hose support bracket with hose clamp	\$ 20.00	\$ 22.00
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
UBN5611	M12 U-bolt 80 x 52 w Nuts & Washers	\$ 5.00	\$ 5.50
UBN2007	M10 U-Bolt w Nuts & Washers to clamp hose to bracket 2 required per hose	\$ 5.00	\$ 5.50
	* Uses 2x UBN2001		
	** Uses 1x UBN2002 & 1x UBN5611		

NT19 EXTRAS

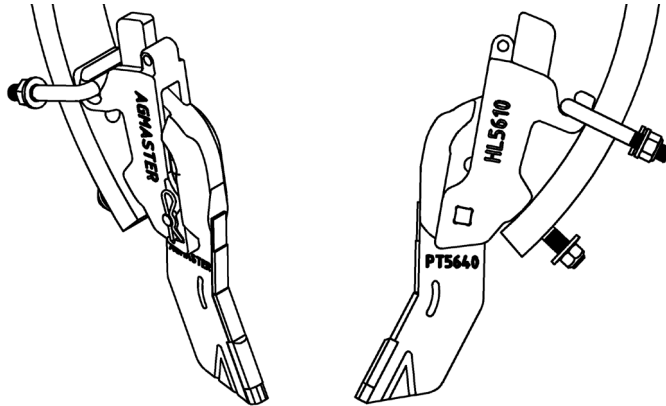
SUITS: Double-bolt C-Shank and Edge-On tynes with 1/2" bolt holes

* Front-of-tyne assembly * Four NT19 Adjusta-Point options * Compatible with full Agmaster Seeding Boot range

NT19 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$110 - \$135 +GST



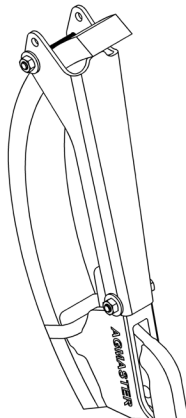
**SEE PAGE 16 FOR
POINT OPTIONS &
SPARE PARTS**

U-bolt and tyne bolt to be ordered separately as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

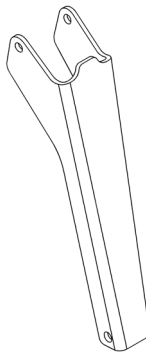
		Exc	Inc
PTH6461	NT19 Adjusta-Point & Holder Kit w Lo-Thro Standard PT5640 Point	\$ 110.00	\$ 121.00
PTH6561	NT19 Adjusta-Point & Holder Kit w Lo-Thro Liquid PT5650 Point	\$ 135.00	\$ 148.50
PTH6661	NT19 Adjusta-Point & Holder Kit w Straight Standard PT5660 Point	\$ 110.00	\$ 121.00
PTH6761	NT19 Adjusta-Point & Holder Kit w Straight Liquid PT5670 Point	\$ 135.00	\$ 148.50

NT19 TRASHGUARDS

Will only fit up to NT19 Series Adjusta-Point Holders (HL5600/HL5610)



**TGB5750
TGB5730**



**TG5750
TG5730**



BON8M65



BON8M45

		Exc	Inc
TGB5750	NT19 Adjusta-Point Trashguard with bolts— Flat-on Tynes	\$ 25.00	\$ 27.50
TGB5730	NT19 Adjusta-Point Trashguard with bolts— Edge-on Tynes	\$ 25.00	\$ 27.50
TG5750	* NT19 Trashguard for flat-on tynes	\$ 24.00	\$ 26.40
TG5730	** NT19 Trashguard for edge-on tynes	\$ 24.00	\$ 26.40
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

NT20 MULTI-BOOT MODULE

SUITS: * Morris Contour 2, Contour 3 & Quantum * Bourgault Paralink

*Modular system

*Standard & Liquid Adjusta-Point options

*Single-Row or Paired-Row

* Single or Dual Shoot

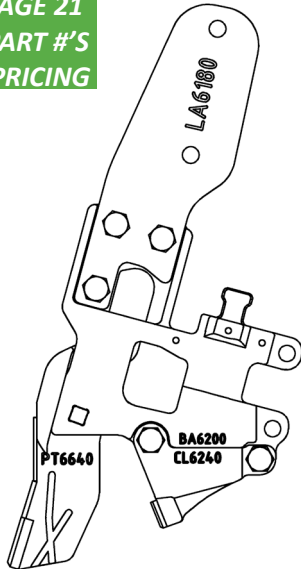
* Option for liquid in knife point slot and/or with seed

NT20M MORRIS MULTIBOOT MODULE - SINGLE ROW

\$290 - \$320 +GST

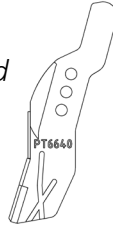
Included: All parts pictured, including fasteners.

SEE PAGE 21
FOR PART #'S
AND PRICING



POINT OPTIONS

PT6640
14mm Standard
Adjusta-Point

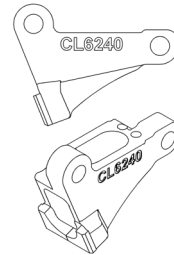


PT6650
14mm Liquid
Adjusta-Point



CLOSING TOOL OPTION

CL6240



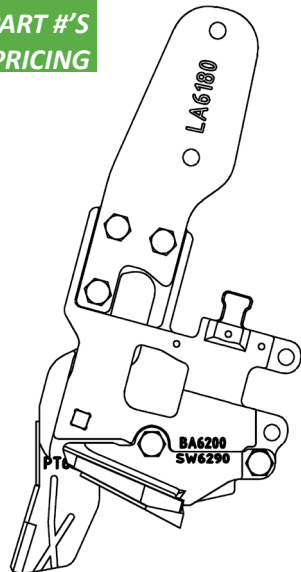
Single-Row
45mm Closer

NT20M MORRIS MULTIBOOT MODULE - PAIRED-ROW

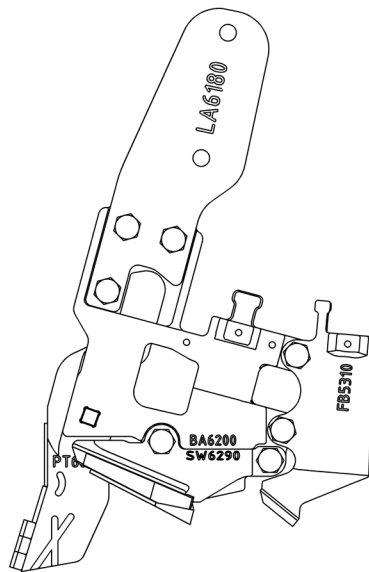
\$385 - \$475 +GST

Included: All parts pictured, including & fasteners.

SEE PAGE 21
FOR PART #'S
AND PRICING



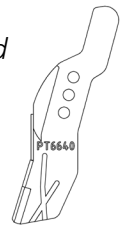
SINGLE SHOOT



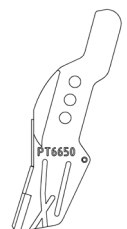
DUAL SHOOT

POINT OPTIONS

PT6640
14mm Standard
Adjusta-Point

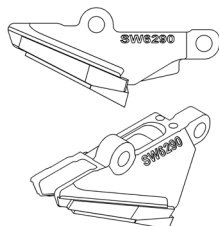


PT6650
14mm Liquid
Adjusta-Point



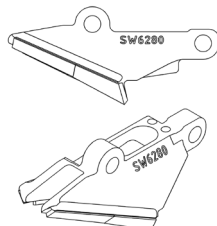
PAIRED-ROW WING CLOSING TOOL OPTIONS

SW6290



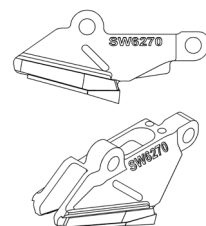
Paired-Row
95mm Seeker Wing
~75mm rows

SW6280



Paired-Row
85mm Seeker Wing
~65mm rows

SW6270



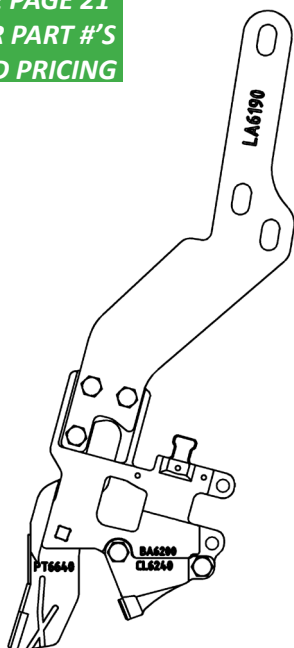
Paired-Row
75mm Seeker Wing
~55mm rows

NT20B BG PARALINK MULTIBOOT MODULE - SINGLE ROW

Included: All parts pictured, including fasteners.

\$320- \$350 +GST

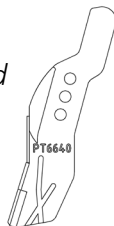
SEE PAGE 21
FOR PART #'S
AND PRICING



POINT OPTIONS

PT6640

14mm Standard
Adjusta-Point



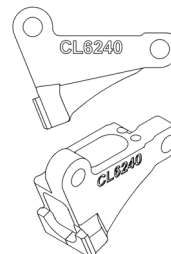
PT6650

14mm Liquid
Adjusta-Point



CLOSING TOOL OPTION

CL6240



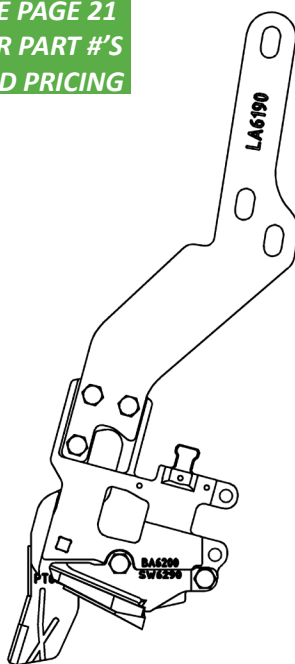
Single-Row
45mm Closer

NT20B BG PARALINK MULTIBOOT MODULE - PAIRED-ROW

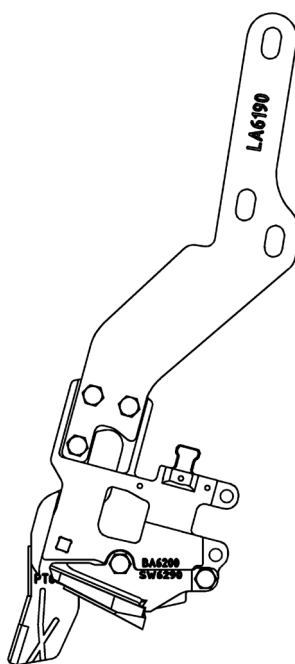
Included: All parts pictured, including & fasteners.

\$415 - \$505 +GST

SEE PAGE 21
FOR PART #'S
AND PRICING



SINGLE SHOOT



DUAL SHOOT

POINT OPTIONS

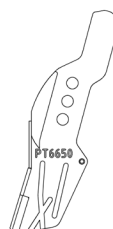
PT6640

14mm Standard
Adjusta-Point



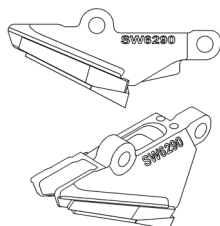
PT6650

14mm Liquid
Adjusta-Point



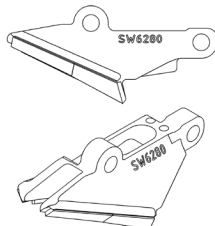
PAIRED-ROW WING CLOSING TOOL OPTIONS

SW6290



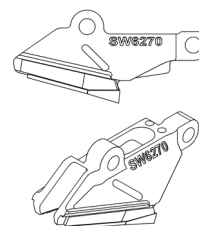
Paired-Row
95mm Seeker Wing
~75mm rows

SW6280



Paired-Row
85mm Seeker Wing
~65mm rows

SW6270



Paired-Row
75mm Seeker Wing
~55mm rows

NT20 MULTI-BOOT MODULE PRICES & PART NUMBERS MATRIX

INSTRUCTIONS:			MORRIS (MR)		BOURGAULT (BG)								
1. Identify “Module Make” relevant to your machine 2. Select point from left column 3. Select boot/closer from top row 4. Find part number & price relevant to your machine where your point & boot choice intersect			Suits: Morris Seeding Modules for the Contour 2, Contour 3 & Quantum machines		Suits Bourgault Seeding Module for the Paralink machine NOTE: Does not suit PLDS (Dual Shank)								
FOR MODULE MAKES NOT LISTED UNDER EITHER OF THE CLASSIFICATIONS, PLEASE CONTACT AGMASTER AS OTHERS MAY BE AVAILABLE BY SPECIAL ORDER													
			SINGLE ROW		PAIRED ROW/DUAL SHOOT								
BOOTS MultiBoot Options POINTS 14mm Adjusta-Point			SW6290 95mm Wing		SW6280 85mm Wing & Dual Shoot Fert Boot								
MR	PT6640 Lo-Thro Standard	PMM64182024	\$290 +GST	PMM64182029	\$395 +GST	PMM64182027	\$385 +GST	PMM6418202931	\$445 +GST	PMM6418202831	\$435 +GST	PMM6418202731	\$435 +GST
		PMM64192024	\$320 +GST	PMM64192029	\$425 +GST	PMM64192028	\$415 +GST	PMM64192027	\$415 +GST	PMM6419202831	\$465 +GST	PMM6419202731	\$465 +GST
BG	PT6650 Lo-Thro Liquid	PMM65182024	\$320 +GST	PMM65182029	\$425 +GST	PMM65182028	\$415 +GST	PMM65182027	\$415 +GST	PMM6518202831	\$465 +GST	PMM6518202731	\$465 +GST
		PMM65192024	\$350 +GST	PMM65192029	\$455 +GST	PMM65192028	\$445 +GST	PMM65192027	\$445 +GST	PMM6519202831	\$495 +GST	PMM6519202731	\$495 +GST

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

NT20 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



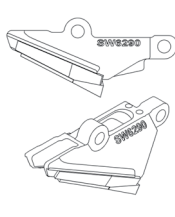
14mm Standard
Adjusta-Point

PT6650



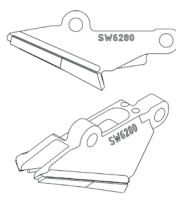
14mm Liquid
Adjusta-Point

SW6290



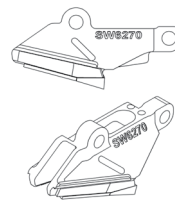
Paired-Row
95mm Seeker Wing
~75mm rows

SW6280



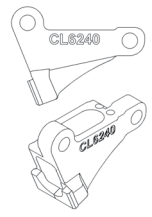
Paired-Row
85mm Seeker Wing
~65mm rows

SW6270



Paired-Row
75mm Seeker Wing
~55mm rows

CL6240

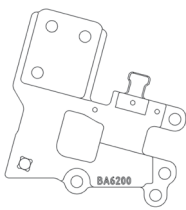


Single-Row
45mm Closer

			Exc	Inc
PT6640	* or **	Standard Point; 14mm, Lo-Thro style, height adjustable	\$ 80.00	\$ 88.00
PT6650	* or **	Liquid Point; 14mm, Lo-Thro style, height adjustable	\$105.00	\$115.50
SW6290	***	95mm Seeker Wing for Module; paired rows 75mm apart	\$155.00	\$170.50
SW6280	***	85mm Seeker Wing for Module; paired rows 65mm apart	\$145.00	\$159.50
SW6270	***	75mm Seeker Wing for Module; paired rows 55mm apart	\$145.00	\$159.50
CL6240	***	45mm Closer for Module; single row	\$ 50.00	\$ 55.00

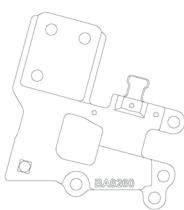
Other Parts for Multi-Boot Module

BA6200



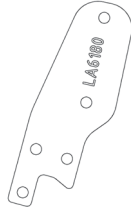
Boot Adaptor
2021

BA6260



Boot Adaptor
2020

LA6180



Morris Leg
Adaptor

LA6190



Bourgault Leg
Adaptor

FB5310



Dual-Shoot Dry
Fertiliser Boot

SL5520



Stainless
Liquid Tube

			Exc	Inc
BA6200	****	Boot Adaptor 2021; mount for above closing tools and fertiliser boot	\$ 95.00	\$104.50
BA6260	****	Boot Adaptor 2020; mount for above closing tools and fertiliser boot	\$ 95.00	\$104.50
LA6180	***	Leg Adaptor <u>Morris</u> ; secures seeding system to machine	\$ 65.00	\$ 71.50
LA6190	*****	Leg Adaptor <u>Bourgault Paralink</u> ; secures seeding system to machine	\$ 95.00	\$104.50
FB5310	***	Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with SW6290 and SW6270	\$ 50.00	\$ 55.00
LF5520	*****	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 1 required per <u>seed</u> row.</i>	\$ 5.00ea	\$ 5.50ea

*	Requires 1 x PIR41	12 x 41mm Pin Square & R-Clip w BA6200 (2021)	\$ 2.00ea	\$ 2.20ea
**	Requires 1 x PIR45	12 x 45mm Pin & R-Clip w BA6260 (2020)	\$ 2.00ea	\$ 2.20ea
***	Requires 2 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
****	Requires 3 x BNW12134	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
*****	Requires 2 x BNW16M55	M16 x 55 Bolt, Nut & Washer & 1x original BG u-bolt	\$ 4.00ea	\$ 4.40ea
*****	Requires 1 x BO6M16S	M6 x 16 Bolt (1 required per tube)	\$ 0.50ea	\$ 0.55ea

NT21 BOURGALT PLDS REPLACEMENT POINTS

We now have the following non-genuine replacement parts available to suit the Bourgault PLDS.

Pre-order recommended



PT7710

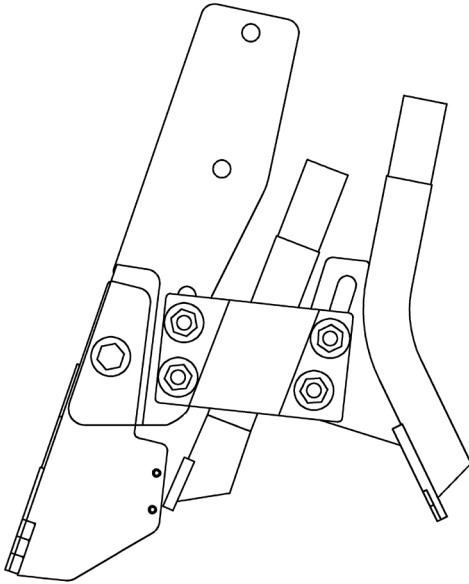


PT7720

		Exc	Inc
PT6710	Fertiliser Knife to suit PLDS	\$130.00	\$143.00
PT6720	Seed Knife to suit PLDS	\$ 90.00	\$ 99.00

NT21M DUAL IN-LINE FOR MORRIS QUANTUM & CONTOUR 2/3

This dual-shoot in-line system is currently compatible only with the Morris Quantum & Contour 2/3. It was developed to fulfill customer requirements that our Multi-Boot Module system was unable to meet.



		Exc	Inc
PMI063554	Standard Dual In-Line Kit	\$365.00	\$401.50
	Dual In-Line Seeding Kit for Morris; 12mm Standard Adjustable Point, 40mm Closer		
PMI073554	Liquid Dual In-Line Kit	\$390.00	\$429.00
	Dual In-Line Seeding Kit for Morris; 12mm Liquid Adjustable Point, 40mm Closer. Pictured.		

Dual In-Line Parts

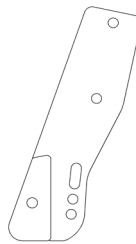
PT5060



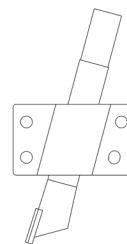
PT5070



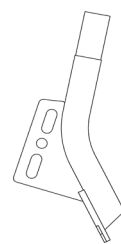
SL5350



FB5350



BT5540



			Exc	Inc
PT5060	*	Standard Point; 12mm height-adjustable standard point	\$ 75.00	\$ 82.50
PT5070	*	Liquid Point; 12mm height-adjustable liquid point	\$100.00	\$110.00
SL5350	**	Leg; holds point and attaches seeding kit to machine	\$115.00	\$126.50
FB5350	***	Dry Fertiliser Boot; dual-shoot behind point	\$100.00	\$110.00
BT5540	***	Seeding Boot; 40mm closer plate	\$ 70.00	\$ 77.00

*	Requires 1 x BNW12112	½" x 1 ½" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
**	Requires 2 x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
***	Requires 2 x BNW12112	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea

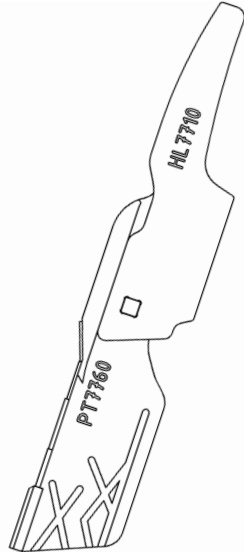
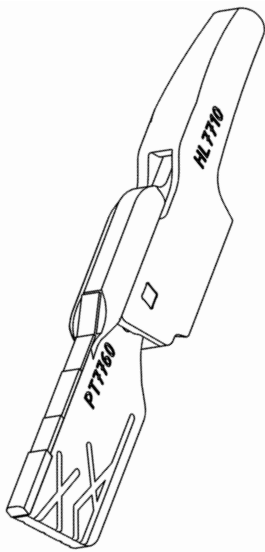
Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

www.agmaster.com.au

NT21D ADJUSTA-POINT FOR DBS

SUITS: DBS/Groundhog shanks

- * Front-of-tyne assembly
- * 14mm Adjusta-Point
- * Five depth settings 120 - 200mm
- * Unique holder design with built-in trashguard
- * Easy access 12mm pin & R-clip



PTH7610

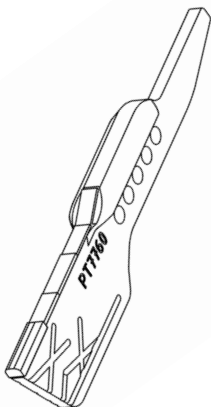
Exc	Inc
\$125.00	\$137.50

NT21D Adjusta-Point & Holder Kit to suit DBS

INCLUDED: Point, Holder & Retaining Pin as pictured

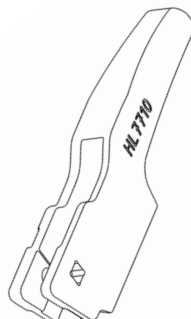
NT21D Parts

PT7760



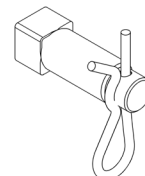
NT21D Adjusta-Point
to suit DBS

HL7710



NT21D Point Holder
to suit DBS

PIR41

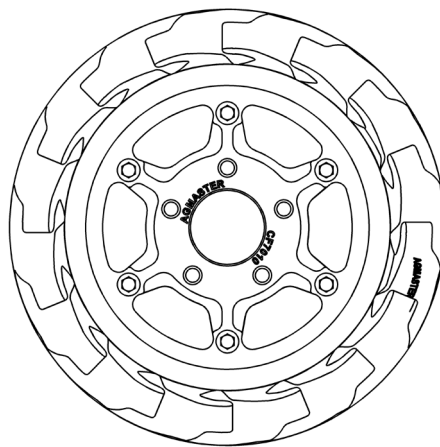
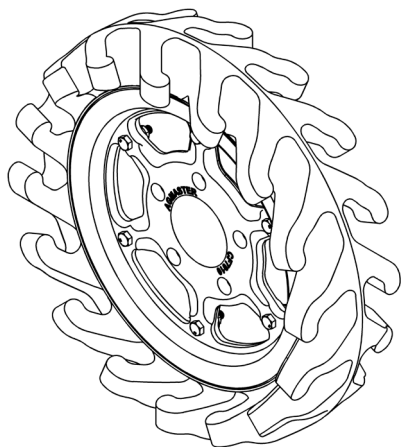


12mm Square Head
Pin & R Clip

		Exc	Inc
PT7760	NT21D 14mm Adjusta-Point to suit DBS	\$ 95.00	\$104.50
HL7710	NT21D Point Holder to suit DBS	\$ 30.00	\$ 33.00
PIR45	Pin M12 x 45mm Square Head & R-Clip for Adjusta-Point 2021 on	\$ 2.00	\$ 2.20
PI12A41	Pin M12 x 45mm Square Head for Adjusta-Point 2021 on	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5mm	\$ 0.20	\$ 0.22

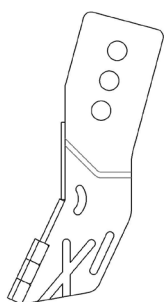
EMU TRACKER WHEELS

SUITS: Bourgault Paralink, Morris Quantum, Morris Contour 2/3 & Horsch Sprinter. Other makes may be adaptable. These wheels have a unique design which addresses the issue of presswheel furrow smearing on some parallelogram seeding modules (as listed above) The Emu Tracker wheel replaces the existing presswheel 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.

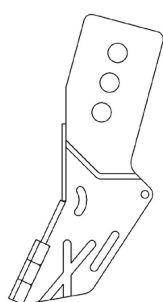


		Exc	Inc
CF7560	Emu Tracker complete wheel assembly for Morris Quantum, C2 & Paralink	\$250.00	\$275.00
CF7360	Emu Tracker complete wheel assembly for Horsch Sprinter	\$250.00	\$275.00
CF7160	Emu Tracker replacement tyre only	\$115.00	\$137.50

EARLY MODEL MORRIS C2 & BOURGAULT PARALINK PARTS



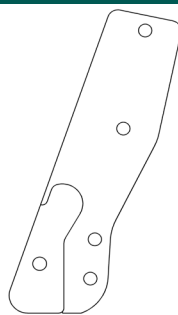
PT6040



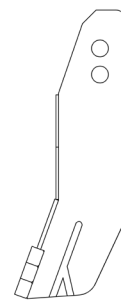
PT6050



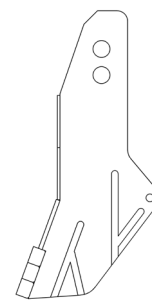
FB6410



SL5340



PT5040



PT5050

KWIK FIT MODULE 2017-2018 PARTS (Morris C2 & Bourgault Paralink)

		Exc	Inc
PT6040	* Standard Point; 14mm, Lo-Thro, height adjustable	\$ 75.00	\$ 82.50
PT6050	* Liquid Point; 14mm, Lo-Thro, height adjustable	\$100.00	\$110.00
FB6410	** Optional Dry Fertiliser Boot; drops fertiliser in between paired rows when used with SW6720 and SW6820	\$ 50.00	\$ 55.00

MORRIS CONTOUR 2 2015-2016 PARTS

SL5340	*** MC2 Seeker leg to hold point & seeker boot	\$115.00	\$126.50
PT5040	**** 12mm Standard point to suit MC2 SL5340	\$ 75.00	\$ 82.50
PT5050	**** 12mm Liquid point to suit MC2 SL5340	\$100.00	\$110.00

*	Requires 1x BNW7162	7/16" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
**	Requires 1x BNW12M55	M12 x 55 Bolt, Nut & Washer	\$ 2.00ea	\$ 2.20ea
***	Requires 2x BNW122	½" x 2" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea
****	Requires 1x BNW12134	½" x 1 ¾" Bolt, Nut & Washer	\$ 3.00ea	\$ 3.30ea

FOR CURRENT MORRIS QUANTUM & CONTOUR 2/3 KITS, PLEASE REFER TO PAGE 19

NT11 POINT & RIGID BOOT SEEDING KITS

SUITS: Double-bolt C-Shank and Edge-On tynes (Examples listed on page 28)

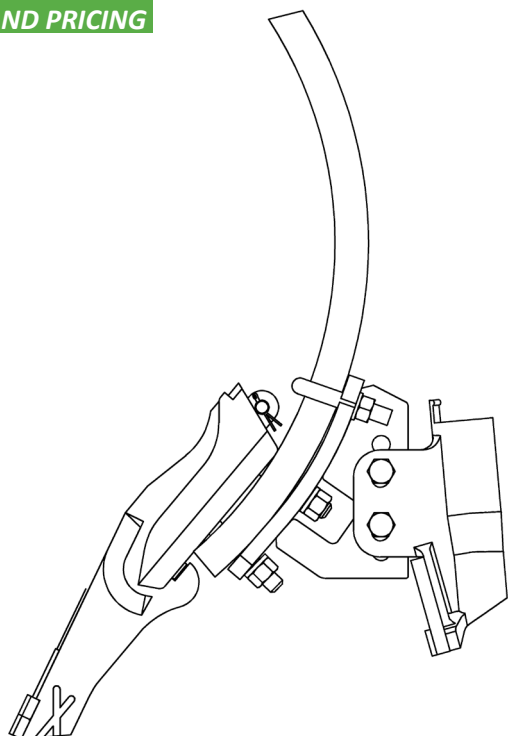
- *Seven NT11 Point styles with a mixture of Straight or Lo-Thro profiles and Standard or Liquid options
- * Three height-adjustable seeding boot styles with Single or Dual Shoot options
- * Provision for liquid in knife point slot and/or with seed (select boots only) * Accessories such as Trashguards & Liquid Kits available (P36/37)

NT11 RIGID BOOT

Included: All parts pictured including fasteners.

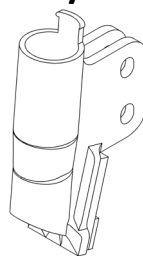
\$205 - \$350 +GST

SEE PAGE 28
FOR PART #'S
AND PRICING



BOOT OPTIONS

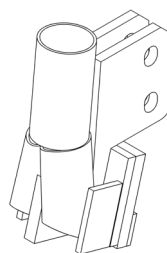
BT2540/BT2550



Standard Single Shoot Boot
40mm or 50mm Closer

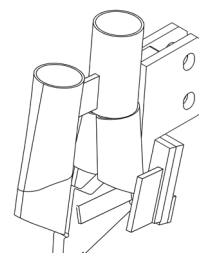
Wetter with Seed Option:
Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

BT2370



"Y" Tube Single Shoot Boot
65mm Closer

BT2390



Dual Shoot Boot
65mm Closer

Pipe size at top of all boots is 38.4mm inside diameter. Cast boots (BT2540/BT2550) taper down to 32mm to suit narrower hose sizes.

POINT OPTIONS FOR NT11 RIGID BOOT KITS

- *Three widths; 12mm & 16mm Straight or 14mm Lo-Thro profiles
- *Liquid or Standard available in all widths of the Straight & Lo-Thro profiles
- * **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. There is no price difference for "Red" points.

PT1120

*PT1150

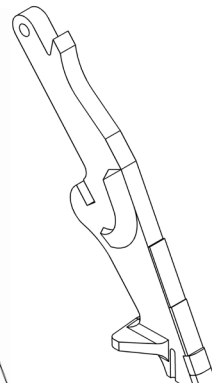
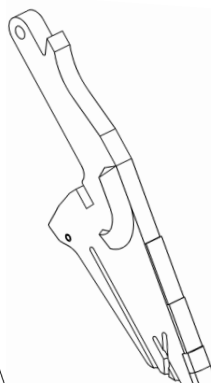
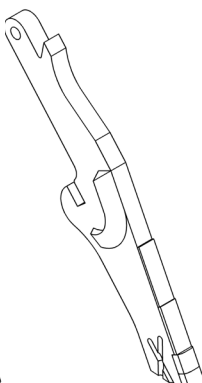
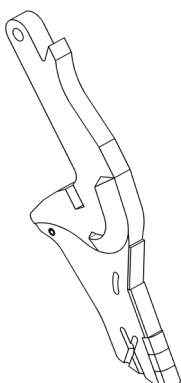
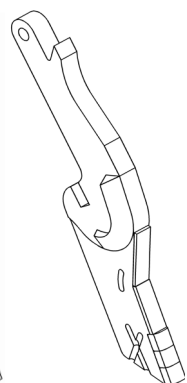
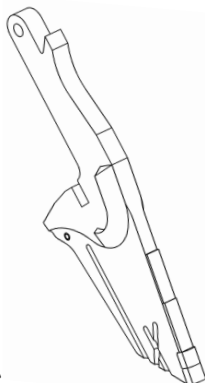
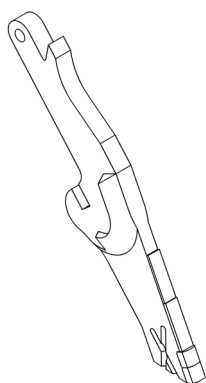
PT1140

*PT1170

PT1160

*PT1190

PT1130



12mm
Straight
Standard

12mm
Straight
Liquid

14mm
Lo-Thro
Standard

14mm
Lo-Thro
Liquid

16mm
Straight
Standard

16mm
Straight
Liquid

16mm
Winged
Standard

*** PLEASE NOTE:** Kits with Liquid Points do not include parts for directing liquid to back of point. See page 37 for liquid kits.

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

www.agmaster.com.au

NT11 RIGID SEEDING KITS PRICE & PART NUMBERS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

C-SHANK TYNE CLASS 2:	Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank							
C-SHANK TYNE CLASS 2:	Standard C-Shank tynes with 7/16" bolt holes & 1 3/4" spacings Example: Flexicoil 350lb (original un-reamed tyne bolt holes)							
C-SHANK TYNE CLASS 3:	Standard C-Shank tynes with 1/2" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic							
EDGE-ON TYNE CLASS 4:	Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes IMPORTANT: These tynes have a specific bracket each, so the tyne ref. in the part number will need to be replaced with the machine/tyne code from below in place of the OX e.g. PHB120X54 for Horwood Bagshaw Scaribar is PHB120954							
	TYNE REF CODES:	AFM 340 04	Forwood Delta 05	Flexicoil Edge-On 06	Gason 5100 07	Gason Scari 08	Horwood Bagshaw 09	Simplicity/Gason HT 11

FOR TYNES NOT LISTED UNDER ANY OF THE FOUR CLASSIFICATIONS, PLEASE CONTACT AGMASTER

BOOTS Rigid Boot Options POINTS NT11 Knife Points		RIGID BOOT OPTIONS				POINT & HOLDER	
		BT2540 40mm Closer	BT2550 50mm Closer	BT2370 65mm Closer 4"	BT2390 65mm Closer Dual Shoot		
						NO BOOT NT11 Point & Holder Kits include pins but no bolts	
C-SHANK #1	 PT1120* 12mm Straight Standard	PHB120154	PHB120155	PHB120137	PHB120139	PTH1210	
C-SHANK #2		PHB120254 \$205 +GST	PHB120255 \$205 +GST	PHB120237 \$260 +GST	PHB120239 \$305 +GST	PTH1211	\$85 +GST
C-SHANK #3		PHB120354	PHB120355	PHB120337	PHB120339	PTH1210	+GST
EDGE-ON #4		PHB120X54	PHB120X55	PHB120X37	PHB120X39	CHECK W AGM	
C-SHANK #1	 PT1150 12mm Straight Liquid	PHB150154	PHB150155	PHB150137	PHB150139	PTH1510	
C-SHANK #2		PHB150254 \$230 +GST	PHB150255 \$230 +GST	PHB150237 \$285 +GST	PHB150239 \$330 +GST	PTH1511	\$110 +GST
C-SHANK #3		PHB150354	PHB150355	PHB150337	PHB150339	PTH1510	+GST
EDGE-ON #4		PHB150X54	PHB150X55	PHB150X37	PHB150X39	CHECK W AGM	
C-SHANK #1	 PT1140 14mm Lo-Thro Standard	PHB140154	PHB140155	PHB140137	PHB140139	PTH1410	
C-SHANK #2		PHB140254 \$215 +GST	PHB140255 \$215 +GST	PHB140237 \$270 +GST	PHB140239 \$315 +GST	PTH1411	\$95 +GST
C-SHANK #3		PHB140354	PHB140355	PHB140337	PHB140339	PTH1410	+GST
EDGE-ON #4		PHB140X54	PHB140X55	PHB140X37	PHB140X39	CHECK W AGM	
C-SHANK #1	 PT1170 14mm Lo-Thro Liquid	PHB170154	PHB170155	PHB170137	PHB170139	PTH1710	
C-SHANK #2		PHB170254 \$240 +GST	PHB170255 \$240 +GST	PHB170237 \$295 +GST	PHB170239 \$340 +GST	PTH1711	\$120 +GST
C-SHANK #3		PHB170354	PHB170355	PHB170337	PHB170339	PTH1710	+GST
EDGE-ON #4		PHB170X54	PHB170X55	PHB170X37	PHB170X39	CHECK W AGM	
C-SHANK #1	 PT1160* 16mm Straight Standard	PHB160154	PHB160155	PHB160137	PHB160139	PTH1610	
C-SHANK #2		PHB160254 \$215 +GST	PHB160255 \$215 +GST	PHB160237 \$270 +GST	PHB160239 \$315 +GST	PTH1611	\$95 +GST
C-SHANK #3		PHB160354	PHB160355	PHB160337	PHB160339	PTH1610	+GST
EDGE-ON #4		PHB160X54	PHB160X55	PHB160X37	PHB160X39	CHECK W AGM	
C-SHANK #1	 PT1190 16mm Straight Liquid	PHB190154	PHB190155	PHB190137	PHB190139	PTH1910	
C-SHANK #2		PHB190254 \$240 +GST	PHB190255 \$240 +GST	PHB190237 \$295 +GST	PHB190239 \$340 +GST	PTH1911	\$120 +GST
C-SHANK #3		PHB190354	PHB190355	PHB190337	PHB190339	PTH1910	+GST
EDGE-ON #4		PHB190X54	PHB190X55	PHB190X37	PHB190X39	CHECK W AGM	
C-SHANK #1	 PT1130 16mm Winged	PHB130154	PHB130155	PHB130137	PHB130139	PTH1310	
C-SHANK #2		PHB130254 \$250 +GST	PHB130255 \$250 +GST	PHB130237 \$305 +GST	PHB130239 \$350 +GST	PTH1311	\$130 +GST
C-SHANK #3		PHB130354	PHB130355	PHB130337	PHB130339	PTH1310	+GST
EDGE-ON #4		PHB130X54	PHB130X55	PHB130X37	PHB130X39	CHECK W AGM	
C-SHANK #1	NO POINT NT11 Boot & Bracket kits are designed to fit with NT11 Point & Holders but are adaptable to NT19 Adjusta-Points	BRB0154	BRB0155	BRB0137	BRB0139	*TO ADD "RED" SOFT POINT OPTION AS EXPLAINED ON P26 FOR PT1120 OR PT1160, ADD THE LETTER "R" TO END OF KIT PART #	
C-SHANK #2		BRB0254 \$120 +GST	BRB0255 \$120 +GST	BRB0237 \$175 +GST	BRB0239 \$220 +GST		
C-SHANK #3		BRB0354	BRB0355	BRB0337	BRB0339		
EDGE-ON #4		BRB0X54	BRB0X55	BRB0X37	BRB0X59		

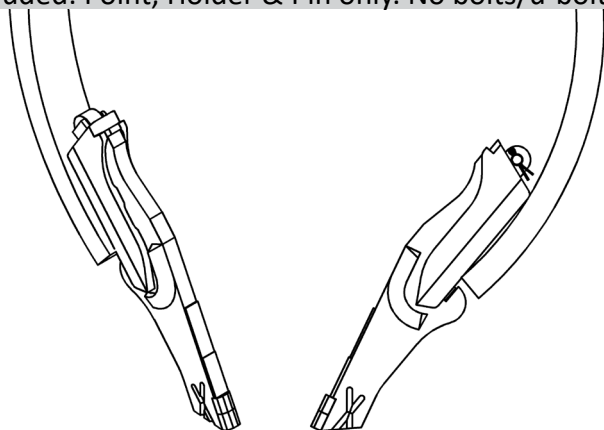
NT11 FRONT OR BACK OF TYNE RIGID BOOT KITS

NT11 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$85 - \$130 +GST

SEE PAGES 27-28
FOR POINT OPTIONS,
PART #'S & PRICING



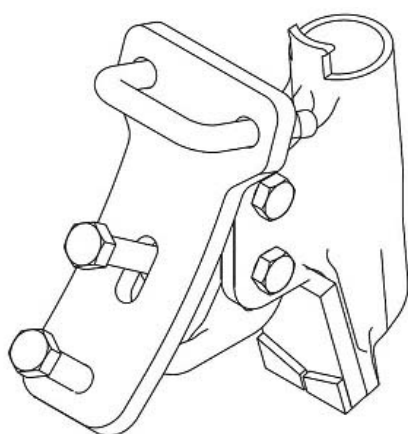
Tyne bolts to be ordered separately if required, as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

NT11 BOOT & BRACKET KITS (NO POINT)

Included: All parts pictured including fasteners.

\$120 - \$220 +GST

SEE PAGES 27-28
FOR BOOT OPTIONS,
PART #'S & PRICING

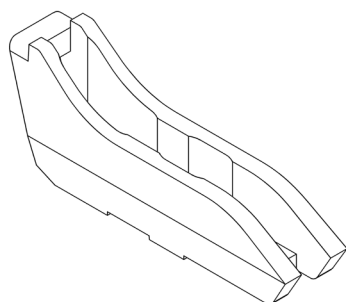


These assemblies suit the NT11 Points and Holders but can be adapted to suit NT19 Adjusta-Points & Holders if required. The range of NT11 Boots (pictured page 27 or 31) are available as a Boot & Bracket kit.

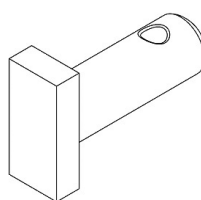
FOR REPLACEMENT PARTS FOR THESE
KITS PLEASE REFER TO PAGE 31

NT11 REPLACEMENT PARTS

NT11 Point Holders & Retaining Pins



Fits NT11 Points (P30), NT11 Sweep Adaptors (P36) and NT09 Points (pg 38)



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

		Exc	Inc
HL1100	Point Holder ½" x 1¾" & 2¼" bolt centres For tynes with either 1¾" (44.5mm) or 2¼" (57mm) bolt centres and ½" holes e.g. Flexicoil 350lb reamed out to ½" holes, Morris 400lb, Bourgault, Ezee-on, Flexicoil 550lb, John Deere 1610/1830, Horwood Bagshaw, Gason Scari and similar	\$20.00	\$22.00
HL1110	Point Holder 7/16" x 1¾" bolt centres (12mm x 44.5mm) For Flexicoil 350lb, Gason 5100 2 bolt tyne and similar	\$20.00	\$22.00
HLT1100	Includes HL1100 and Retainer Pin (TSP)	\$21.00	\$23.10
HLT1110	Includes HL1110 and Retainer Pin (TSP)	\$21.00	\$23.10
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

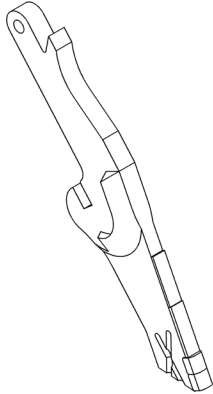
Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices. 29

NT11 REPLACEMENT PARTS

Points – Cast Mild Steel

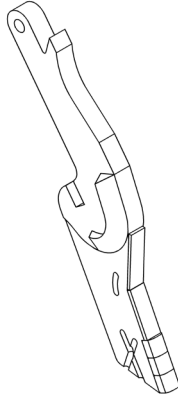
Standard Points (Non-Liquid)

PT1120



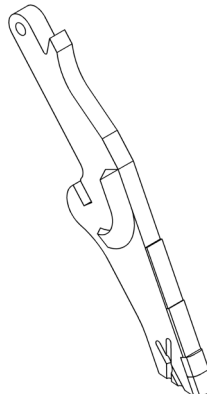
NT11 Point
12mm
Standard
(12)

PT1140



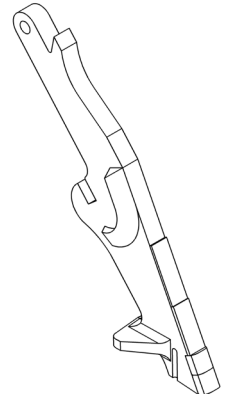
NT11 Point
14mm
Lo-Thro
(14)

PT1160



NT11 Point
16mm
Standard
(16)

PT1130

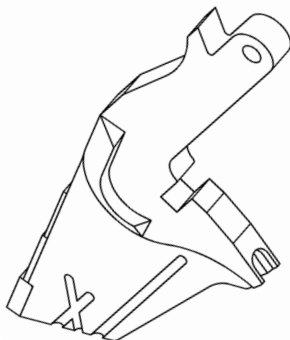


NT11 Point
16mm
Winged
(13)

		Exc	Inc
PT1120	12mm Knife	\$ 65.00	\$ 71.50
PT1120R	12mm Knife – Red for rocky conditions	\$ 65.00	\$ 71.50
PT1140	14mm Lo Thro knife	\$ 75.00	\$ 82.50
PT1160	16mm Knife	\$ 75.00	\$ 82.50
PT1160R	16mm Knife – Red for rocky conditions	\$ 75.00	\$ 82.50
PT1130	16mm Winged	\$110.00	\$121.00

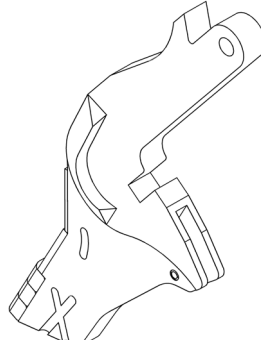
Liquid Fertiliser Points

PT1150



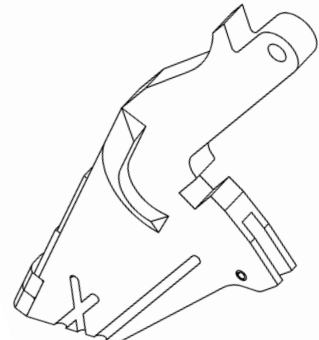
NT11 Point
12mm
Liquid
(15)

PT1170



NT11 Point
14mm
Lo-Thro Liquid
(17)

PT1190

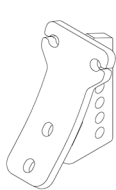


NT11 Point
16mm
Liquid
(19)

		Exc	Inc
PT1150	12mm Liquid Fertiliser Point	\$ 90.00	\$ 99.00
PT1170	14mm Lo Thro Liquid Fertiliser Point	\$100.00	\$110.00
PT1190	16mm Liquid Fertiliser Point	\$100.00	\$110.00

FOR REPLACEMENT POINT HOLDER FOR THESE POINTS PLEASE REFER TO PAGE 29

NT11 BRACKETS



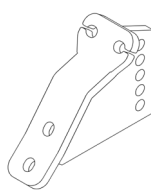
BR2010
BR2030



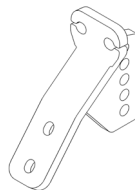
BR2040



BR2050



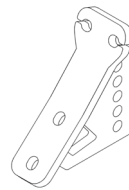
BR2060



BR2070



BR2080



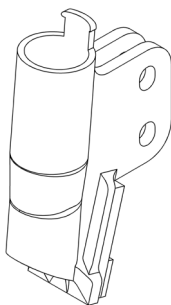
BR2090

				Exc	Inc
BR2010	***	Bracket	½" x 1 ¾" bolt hole spacings	\$ 55.00	\$ 60.50
<i>Flat C-Shank tynes with ½" x 1 ¾" e.g. Morris 400lb, Flexicoil 350lb, Bourguault, Ezee-On, Horwood Bagshaw C-Shank</i>					
BR2030	***	Bracket	½" x 2 ¼" bolt hole spacings	\$ 55.00	\$ 60.50
<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	\$ 55.00	\$ 60.50
BR2050	****	Bracket	Forwood Delta Edge-on	\$ 55.00	\$ 60.50
BR2060	****	Bracket	Flexicoil Edge-on	\$ 55.00	\$ 60.50
BR2070	****	Bracket	Gason 5100 Edge-on	\$ 55.00	\$ 60.50
BR2080	****	Bracket	Gason Scari Edge-on	\$ 55.00	\$ 60.50
BR2090	****	Bracket	Horwood Bagshaw Edge-On Scari Bar	\$ 55.00	\$ 60.50
BR2110	****	Bracket	Simplicity/Gason Hyd Edge-on	\$ 55.00	\$ 60.50

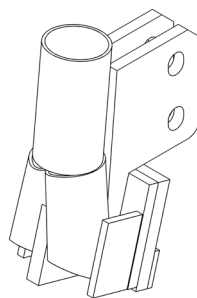
*** Uses UBN2001 - U-Bolt M12, 65 x 52, with Nuts & Washers

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

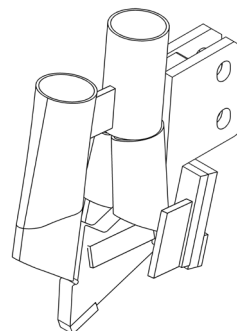
NT11 REPLACEMENT BOOTS



BT2540/BT2550



BT2370



BT2390

Wetter with Seed Option: Provision for liquid/wetter with the seed now comes standard on Single-Shoot Boots BT2540 & BT2550.

			Exc	Inc
BT2540	40mm Closer Single System recommended for use with 12mm Point		\$ 60.00	\$ 66.00
BT2550	50mm Closer Single System recommended for use with 16mm Point		\$ 60.00	\$ 66.00
BT2370	65mm Closer with 'Y' Tube		\$115.00	\$126.50
BT2380	65mm Closer with Side-by-Side Tubes. <i>Obsolete when stock exhausted</i>		\$115.00	\$126.50
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following		\$160.00	\$176.00
BT2399	Split Fert Knife Weld-on		\$ 22.00	\$ 24.20
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)		\$ 3.00	\$ 3.30

FOR REPLACEMENT CLOSER PLATES FOR THESE BOOTS PLEASE REFER TO PAGE 39

NT11 POINT & FLEXIBOOT SEEDING KITS

SUITS: Double-bolt C-Shank tynes with (Examples listed on page 34)

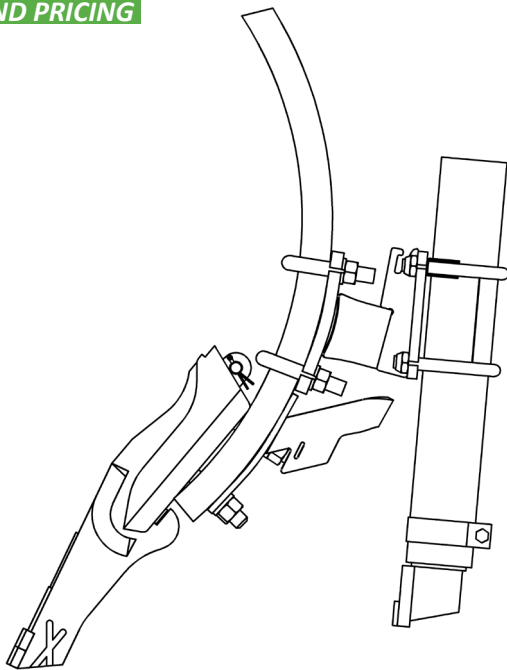
- *Seven NT11 Point styles with a mixture of Straight or Lo-Thro profiles and Standard or Liquid options
- * Height-adjustable flexible boot made from hydraulic hose and inner spring
- *Single or Dual Shoot
- *40mm or 50mm closer plate options (40mm is the standard recommendation)
- * Option for liquid in knife point slot (using modified liquid kit P37)
- * Accessories such as Sweep Adaptors & Trashguards available (P36)

NT11 FLEXIBOOT

Included: All parts pictured, including fasteners.

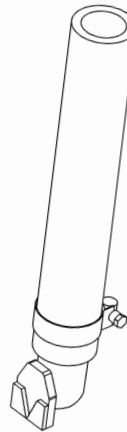
\$275 - \$320 +GST

SEE PAGE 34
FOR PART #'S
AND PRICING



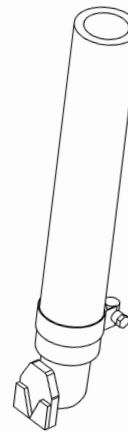
BOOT OPTIONS

FB2840



Flexiboot with 40mm Closer
Recommended width

FB2850



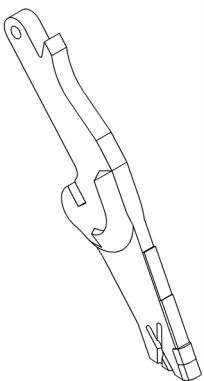
Flexiboot with 50mm Closer

Pipe size of boots is 38 mm inside diameter.

POINT OPTIONS FOR NT11 FLEXI-BOOT KITS

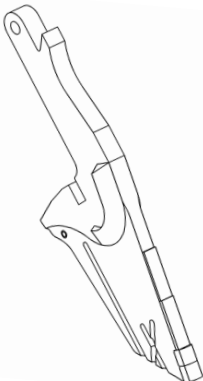
- *Three widths; 12mm & 16mm Straight or 14mm Lo-Thro profiles
- *16mm Winged option
- *Liquid or Standard available in all widths of the Straight & Lo-Thro profiles
- * **Soft Point Option:** A softer tip on the points for extremely rocky conditions is available for kits with PT1120 and PT1160 points. These are identified by the point being painted. There is no price difference for "Red" points.

PT1120



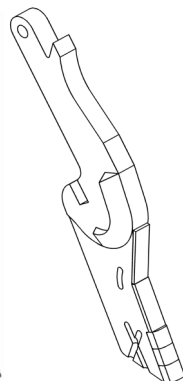
12mm
Straight
Standard

*PT1150



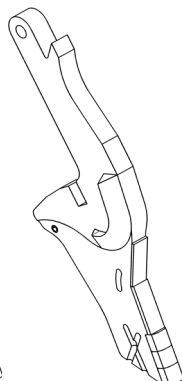
12mm
Straight
Liquid

PT1140



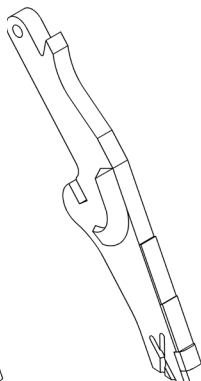
14mm
Lo-Thro
Standard

*PT1170



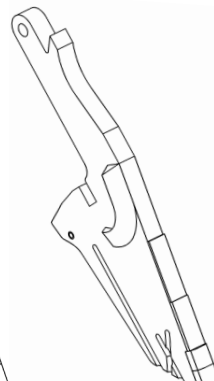
14mm
Lo-Thro
Liquid

PT1160



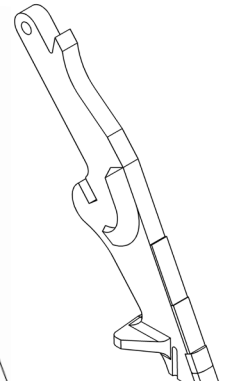
16mm
Straight
Standard

*PT1190



16mm
Straight
Liquid

PT1130



16mm
Winged
Standard

*** 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 Flexiboots in the past. **See page 37 for liquid kits and contact Agmaster for more information if required.**

NT11 FRONT OR BACK OF TYNE FLEXIBOOT KITS

SUITS: Double-bolt C-Shank and Edge-On tynes (examples listed page 34)

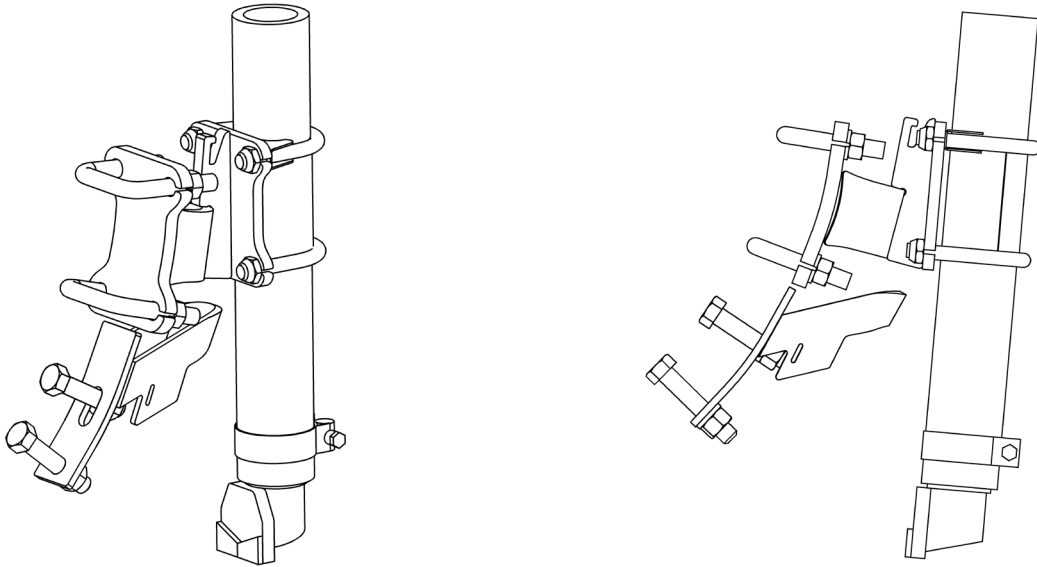
- * Back-of-tyne assembly *40mm or 50mm closer plate options (40mm is the standard recommendation)
- * Height-adjustable flexible boot made from hydraulic hose and inner spring *Single or Dual Shoot

NT11 FLEXIBOOT & BRACKET KIT

Included: All parts pictured, including trashguard & fasteners.

\$190 +GST

SEE PAGE 34 FOR
PART #'S



NT11 FRONT OF TYNE KITS

SUITS: Double-bolt C-Shank and Edge-On tynes (examples listed page 34)

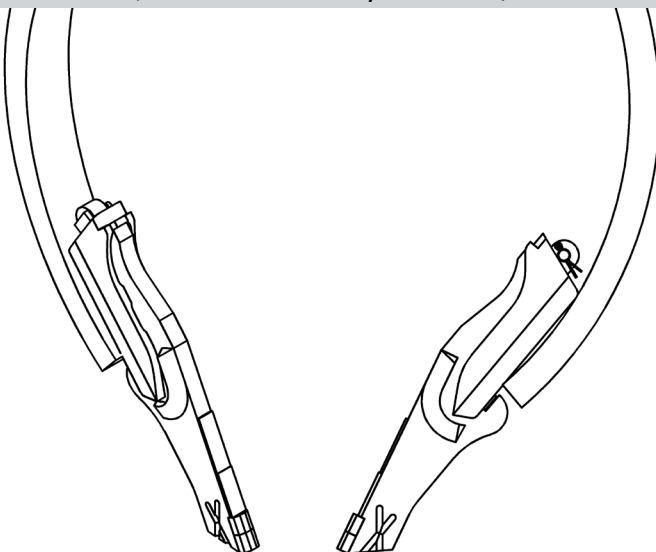
- * Front-of-tyne assembly *Seven NT11 point options *Compatible with full Agmaster Seeding Boot range

NT11 POINT & HOLDER KITS (NO BOOT)

Included: Point, Holder & Pin only. No bolts/u-bolts.

\$85 - \$130 +GST

SEE PAGES 32 & 34
FOR POINT OPTIONS,
PART #'S & PRICING



Tyne bolts to be ordered separately if required, as these vary depending on seeding boot type and machine/tyne specifications. Contact Agmaster if you require assistance.

SEE PAGES 29 - 30 FOR REPLACEMENT POINTS, HOLDERS & PINS

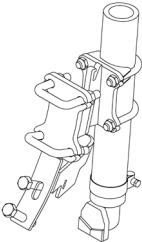
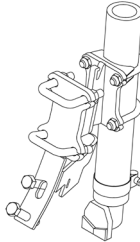
NT11 FLEXIBOOT SEEDING KITS PRICE & PART NUMBERS MATRIX

INSTRUCTIONS:

1. Identify "Tyne Class" relevant to your machine/tyne
2. Select Point from left column

3. Select boot/closer from top row

4. Find part number & price relevant to your tyne class where your point & boot choice intersect

C-SHANK TYNE CLASS 1:		Standard C-Shank tynes with 1/2" bolt holes & 1 3/4" spacings Examples: Morris 400lb, Flexicoil 350lb (holes reamed to 1/2"), Bourgault, Ezee-On, Horwood Bagshaw C-Shank						
C-SHANK TYNE CLASS 2:		Standard C-Shank tynes with 7/16" bolt holes & 1 3/4" spacings Example: Flexicoil 350lb (original un-reamed tyne bolt holes)						
C-SHANK TYNE CLASS 3:		Standard C-Shank tynes with 7/16" bolt holes & 2 1/4" spacings Examples: Morris 650lb/Hydraulic, John Deere 1810-1830, Flexicoil 550lb/650lb/Hydraulic						
EDGE-ON TYNE CLASS 4:		Edge-On tynes (wide foot with narrow shank) with 1/2" bolt holes Horwood Bagshaw ScariBar, Gason Scari/Hydra Till & Simplicity						
FOR TYNES NOT LISTED UNDER ANY OF THE FOUR CLASSIFICATIONS, PLEASE CONTACT AGMASTER								
BOOTS Rigid Boot Options  POINTS NT11 Knife Points 		FLEXIBOOT BOOT & BRACKET		POINT & HOLDER				
		FB2840 40mm Closer (recommended)				FB2850 50mm Closer		
								
C-SHANK #1		PT1120	PHB127184	PHB127185	PTH1210			
C-SHANK #2		12mm	PHB127284	\$275	PHB127285	\$275	PTH1211	\$85
C-SHANK #3		Straight	PHB127384	+GST	PHB127385	+GST	PTH1210	+GST
EDGE-ON #4		Standard	PHB127484		PHB127485		PTH1210	
C-SHANK #1		PT1150	PHB157184	PHB157185	PTH1510			
C-SHANK #2		12mm	PHB157284	\$300	PHB157285	\$300	PTH1511	\$110
C-SHANK #3		Straight	PHB157384	+GST	PHB157385	+GST	PTH1510	+GST
EDGE-ON #4		Liquid	PHB157484		PHB157485		PTH1510	
C-SHANK #1		PT1140	PHB147184	PHB147185	PTH1410			
C-SHANK #2		14mm	PHB147284	\$285	PHB147285	\$285	PTH1411	\$95
C-SHANK #3		Lo-Thro	PHB147384	+GST	PHB147385	+GST	PTH1410	
EDGE-ON #4		Standard	PHB147484		PHB147485		PTH1410	
C-SHANK #1		PT1170	PHB177184	PHB177185	PTH1710			
C-SHANK #2		14mm	PHB177284	\$310	PHB177285	\$310	PTH1711	\$120
C-SHANK #3		Lo-Thro	PHB177384	+GST	PHB177385	+GST	PTH1710	+GST
EDGE-ON #4		Liquid	PHB177484		PHB177485		PTH1710	
C-SHANK #1		PT1160	PHB167184	PHB167185	PTH1610			
C-SHANK #2		16mm	PHB167284	\$285	PHB167285	\$285	PTH1611	\$95
C-SHANK #3		Straight	PHB167384	+GST	PHB167385	+GST	PTH1610	+GST
EDGE-ON #4		Standard	PHB167484		PHB167485		PTH1610	
C-SHANK #1		PT1190	PHB197184	PHB197185	PTH1910			
C-SHANK #2		16mm	PHB197284	\$310	PHB197285	\$310	PTH1911	\$120
C-SHANK #3		Straight	PHB197384	+GST	PHB197385	+GST	PTH1910	+GST
EDGE-ON #4		Liquid	PHB197484		PHB197485		PTH1910	
C-SHANK #1		PT1130	PHB137184	PHB137185	PTH1310			
C-SHANK #2		16mm	PHB137284	\$320	PHB137285	\$320	PTH1311	\$130
C-SHANK #3		Winged	PHB137384	+GST	PHB137385	+GST	PTH1310	+GST
EDGE-ON #4			PHB137484		PHB137485		PTH1310	
C-SHANK #1	NO POINT NT11 Flexiboot kits are designed to fit with NT11 Point & Holders but can be adapted to NT19 Adjusta-Points		BRB7184	BRB7185	*TO ADD "RED" SOFT POINT OPTION AS EXPLAINED ON P26 FOR PT1120 OR PT1160, ADD THE LETTER "R" TO END OF KIT PART #			
C-SHANK #2			BRB7284	\$190		BRB7285	\$190	
C-SHANK #3			BRB7384	+GST		BRB7385	+GST	
EDGE-ON #4			BRB7484			BRB7485		

NT11 FLEXI BOOT REPLACEMENT PARTS

Flexi Boots



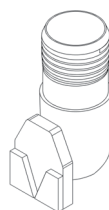
FB2840
FB2850



FB2870



HC52T



FB2834
FB2835



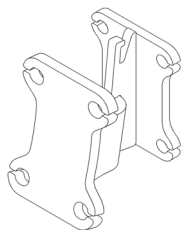
CL2844
CL2855



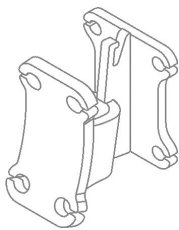
SP2880

		Exc	Inc
FB2870	Flexi Boot hose 340mm long	\$30.00	\$33.00
HC52T	Hose Clamp	\$ 5.00	\$ 5.50
FB2840	Flexi Boot 40mm Closer – Inc SP2880	\$90.00	\$99.00
FB2850	Flexi Boot 50mm Closer – Inc SP2880	\$90.00	\$99.00
FB2834	Hose Insert with 40mm Closer	\$48.00	\$52.80
FB2835	Hose Insert with 50mm Closer	\$48.00	\$52.80
CL2844	Closer Plate, weld-on, 40mm wide	\$25.00	\$27.50
CL2845	Closer Plate, weld-on, 50mm wide	\$25.00	\$27.50
SP2880	Spring Inner 200 x 37	\$10.00	\$11.00

Flexi Boot Brackets



FB2710



FB2740



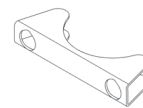
FBH2800



HC2145



FB2810



FB2820

		Exc	Inc
FB2710	*** Suits two bolt flat tynes	\$60.00	\$66.00
FB2740	**** Suits two bolt edge-on tynes	\$60.00	\$66.00
FBH2800	Hose support bracket with hose clamp (HC2145)	\$20.00	\$22.00
HC2145	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	\$ 5.00	\$ 5.50

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

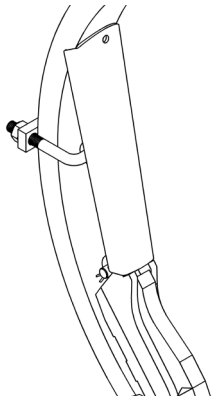
**** Uses UBN2002 – U-Bolt M12, 90 x 30, with Nuts & Washers

FOR REPLACEMENT POINTS & HOLDERS PLEASE REFER TO PAGES 35-36

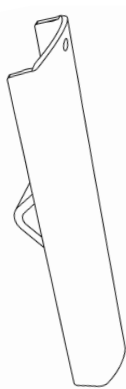
NT11 OPTIONAL EXTRAS

Trashguard Kits & Parts

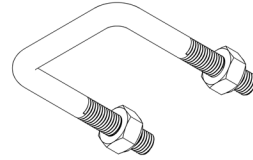
Will only fit up to NT11 series holders and PT1580 Bolt on Points on double hole tynes



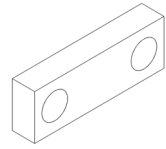
TGU1170
TGU1177



TG1170



UBN1003
UBN1004

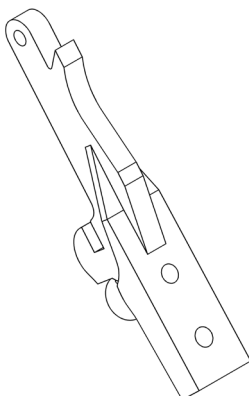


TG1173
TG1175

		Exc	Inc
TGU1170	Trashguard, U-Bolt and Lug Kit – Flat-on Tynes	\$35.00	\$38.50
TGU1177	Trashguard, U-Bolt and Lug Kit– Edge-on Tynes	\$35.00	\$38.50
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	\$25.00	\$27.50
UBN1003	U Bolt M10 75 x 52 with nuts – for Flat on Tynes	\$ 5.00	\$ 5.50
UBN1004	U Bolt M10 110 x 30 with nuts – for Edge on Tynes	\$ 5.00	\$ 5.50
TG1175	U Bolt Lug to suit UB1003	\$ 5.00	\$ 5.50
TG1173	U Bolt Lug to suit UB1004	\$ 5.00	\$ 5.50

Sweep Adaptors

Uses retaining pin to secure into Point Holder (page 38)

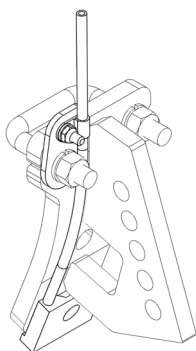


		Exc	Inc
SW1210	Sweep Adaptor ½" x 1¾" bolt centre (12.7mm x 44.5mm)	\$30.00	\$33.00
SW1220	Sweep Adaptor ½" x 2¼" bolt centre (12.7mm x 57mm)	\$30.00	\$33.00
SW1270	Sweep Adaptor 7/16" x 1¾" bolt centre (11.5mm x 44.5mm)	\$30.00	\$33.00

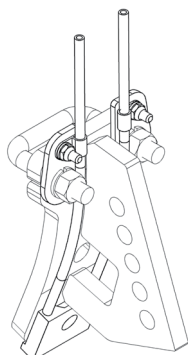
Depending on Point or Wedge thickness, 2 different length plough bolts are required (Agmaster does not supply)
Sweep adaptor thickness is ~55mm and ~26mm around the bolt holes

NT11 Liquid Kits

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



LIQUID KIT SINGLE



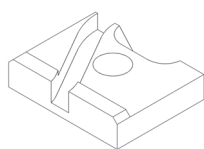
LIQUID KIT DOUBLE

	Exc	Inc
Liquid Kit – Single	\$26.00	\$28.60
Liquid Kit – Double	\$42.00	\$46.20

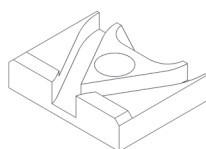
LFK51	NT19/NT11 Liquid Fertiliser Kit – Single to take flexible 3mm tube with 6mm casing
LFK52	NT19/NT11 Liquid Fertiliser Kit – Double to take flexible 3mm tube with 6mm casing
LFK53	NT19/NT11 Liquid Fertiliser Kit – Single to take 4-6mm flexible tube with 10mm casing
LFK54	NT19/NT11 Liquid Fertiliser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



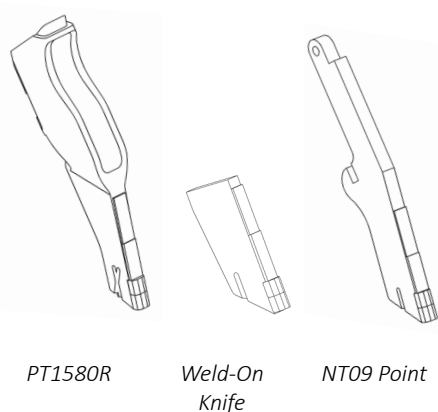
LF2570
LF2580



PC6S
PC10S

		Exc	Inc
LF2510	Liquid Fertiliser Clamp Plate – Single – suit 3mm tube/6mm casing	\$15.00	\$16.50
LF2520	Liquid Fertiliser Clamp Plate – Double – suit 3mm tube/6mm casing	\$20.00	\$22.00
LF2530	Liquid Fertiliser Clamp Plate – Single – suit 4-6mm tube/10mm casing	\$15.00	\$16.50
LF2540	Liquid Fertiliser Clamp Plate – Double – suit 4-6mm tube/10mm casing	\$20.00	\$22.00
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

NT05 & NT09 Points



NT09 Series – Cut From Plate. Fits NT11 Holder

	Exc	Inc
PT1962 - 16mm thick, 20mm shorter	\$ 80.00	\$ 88.00
PT1963 - 16mm thick, 25mm longer (obsolete when stock exhausted)	\$ 95.00	\$104.50
PT1964 - 16mm thick, 40mm longer	\$100.00	\$110.00

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

PT1930	Weld On 12mm	\$ 50.00	\$ 55.00
PT1940	Weld On 16mm	\$ 60.00	\$ 66.00

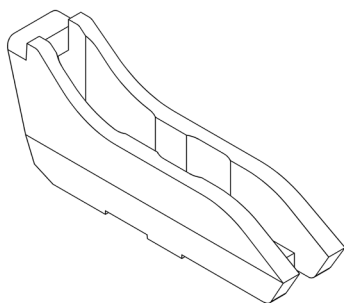
NT05 Series – 16mm Points - Double Hole Bolt on points

		Exc	Inc
PT1580R	*** or **** To suit all tynes with ½" holes (only available in Red Soft Tip)	\$100.00	\$110.00

*** 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



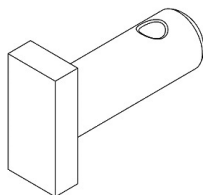
	Exc	Inc
HL1100	\$20.00	\$22.00
HL1110	\$20.00	\$22.00
HLT1100	\$21.00	\$23.10
HLT1110	\$21.00	\$23.10

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

HL1100	Point Holder ½" x 1¾" & 2¼" bolt centres For tynes with either 1¾" (44.5mm) or 2¼" (57mm) bolt centres and ½" holes e.g. Flexicoil 350lb reamed out to ½" holes, Morris 400lb, Bourgault, Ezee-On, Flexicoil 550lb, John Deere, John Shearer, 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

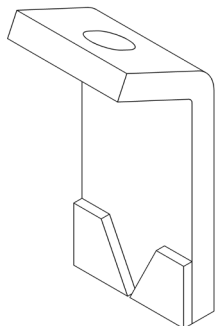
Fit series NT09 & NT11 Points & Sweep Adaptors



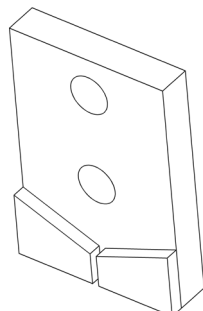
		Exc	Inc
TSP	Pin 'T' Diameter 10mm + Pin Split 4 x 25mm	\$1.50	\$1.65
TP1180	Pin 'T' Diameter 10mm	\$1.40	\$1.54
PI425S	Pin Split 4 x 25mm	\$0.20	\$0.22

REPLACEMENT CLOSER PLATES

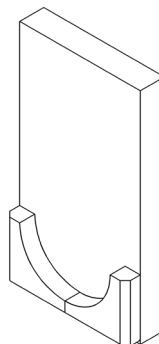
All closers have tungsten carbide corners unless noted 'hard face weld'.



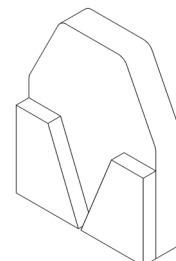
NT03 40mm



NT07 Series



**NT19/NT11/09/08
Series**



Flexi Boots

NT03 Series

CL2440 40mm wide (*obsolete when stock exhausted*)

Exc	Inc
\$25.00	\$27.50

NT07 Series

CL2474 40mm wide (*obsolete when stock exhausted*)

\$25.00	\$27.50
----------------	----------------

NT 11/09/08 Series – Weld on

CL2494* 40mm wide

\$25.00	\$27.50
----------------	----------------

CL2494HF* 40mm wide with hard face weld

\$18.00	\$19.80
----------------	----------------

CL2495* 50mm wide

\$25.00	\$27.50
----------------	----------------

CL2495HF* 50mm wide with hard face weld

\$18.00	\$19.80
----------------	----------------

CL2496 65mm wide

\$28.00	\$30.80
----------------	----------------

CL2496HF 65mm wide with hard face weld

\$21.00	\$23.10
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****If welding closers to Cast Boot BT2540/50 recommend to use Stainless electrode Gr 309***

Flexi Boots – Weld on

CL2844 40mm wide

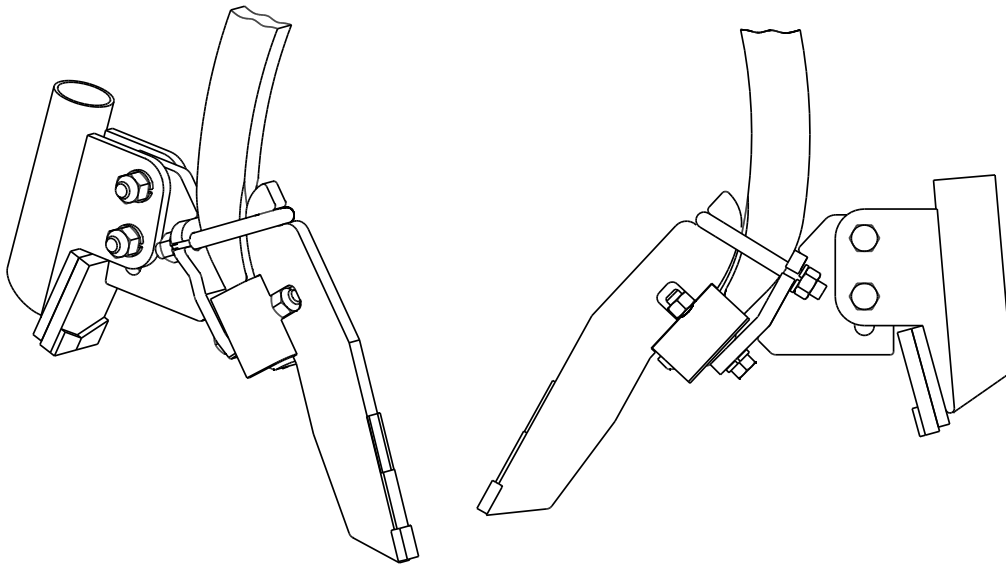
\$25.00	\$27.50
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CL2845 50mm wide

\$25.00	\$27.50
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NT08 POINT & BOOT KITS

NT08 series Kits are for Single Bolt tyne 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 43)**



Prices NT08 Point & Boot Kit

	Exc	Incl
Standard Kit	\$185.00	\$203.50

PBB812154 # NT08 Alfarm 530/630, Napier Grasslands; 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 tyne 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.

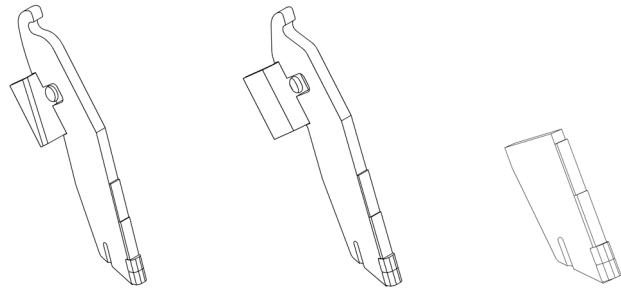
For Part No. change prefix to BRB and remove first 2 numbers i.e. Boot & Bracket Kit for Shearer 580/620 would be:
BRB2454 **Price \$115.00 exc \$126.50 inc**

FOR REPLACEMENT PARTS FOR THESE KITS PLEASE REFER TO PAGES 42-43

NT08 SEEDING KIT REPLACEMENT PARTS

Points (Fabricated)

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



Weld On Knife

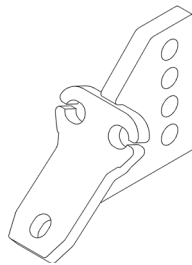
				Exc	Inc
PT1810	#	*	Alfarm 530 / 630, Napier Grasslands	\$ 70.00	\$ 77.00
PT1820	#	*	Forward/Chamberlain 270 / 753 / 846 / 853	\$ 70.00	\$ 77.00
PT1830		*	Gason Round Shoe (<i>Obsolete after stock exhausted</i>)	\$ 70.00	\$ 77.00
PT1840	#	*	Shearer 580 / 620	\$ 70.00	\$ 77.00
PT1850		**	Connershea Scari (<i>Obsolete after stock exhausted</i>)	\$ 70.00	\$ 77.00
PT1860	#	**	John Deere / International Scari	\$ 70.00	\$ 77.00
PT1865	#	**	John Deere / International Scari (16mm)	\$ 85.00	\$ 93.50
PT1890	#	***	HBSTM 16mm (<i>Obsolete after stock exhausted</i>)	\$105.00	\$115.50
PT1930	#		Weld On 12mm knife for self-repair	\$ 50.00	\$ 55.00

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

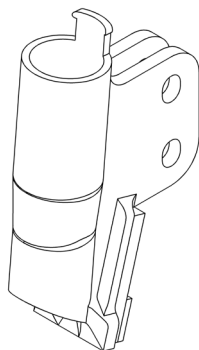
				Exc	Inc
BR2210	*	Bracket	Alfarm 530 / 630	\$ 50.00	\$ 55.00
BR2220	*	Bracket	Forward/Chamberlain 270/ 753 /846 /853	\$ 50.00	\$ 55.00
BR2240	*	Bracket	Shearer 580 / 620	\$ 50.00	\$ 55.00
BR2250	**	Bracket	Connershea Scari	\$ 50.00	\$ 55.00
BR2260	**	Bracket	John Deere / International Scari	\$ 50.00	\$ 55.00
BR2270	**	Bracket	Shearer Scari	\$ 50.00	\$ 55.00

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

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

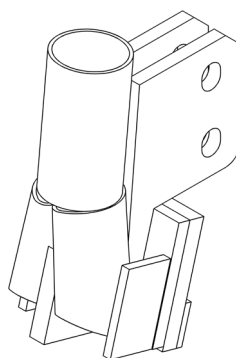
Replacement Boots

BT2540/BT2550



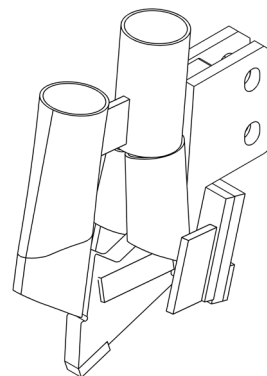
Standard Single-Shoot Boot
40 or 50mm Closer

BT2370



"Y" Tube Single-Shoot Boot
65mm Closer

BT2390



Dual Shoot Boot
65mm Closer

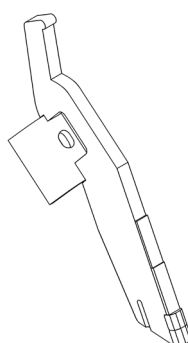
Wetter with Seed Option: For the 2022 season, provision for liquid/wetter with the seed is available on Single-Shoot Boots BT2540 & BT2550 on request.

**SEE PAGE 39 FOR REPLACEMENT
WELD-ON CLOSER PLATES**

		Exc	Inc
BT2540	40mm Closer Single System recommended for use with 12mm Point	\$ 60.00	\$ 66.00
BT2550	50mm Closer Single System recommended for use with 16mm Point	\$ 60.00	\$ 66.00
BT2370	65mm Closer with 'Y' Tube	\$115.00	\$126.50
BT2380	65mm Closer with Side-by-Side Tubes. Obsolete when stock exhausted	\$115.00	\$126.50
BT2390	65mm Closer Split System with 'Y' seed spreader at front and fertiliser tube following	\$160.00	\$176.00
BT2399	Split Fert Knife Weld-on	\$ 22.00	\$ 24.20
BT2398	Split Boot Side Pipe Protectors hardfaced	per set \$ 10.00	\$ 11.00

NT03 SERIES REPLACEMENT PARTS

Points



NT03 Series - 12mm Points - Uses 25 x 5 Flat Bar strap to secure top of point

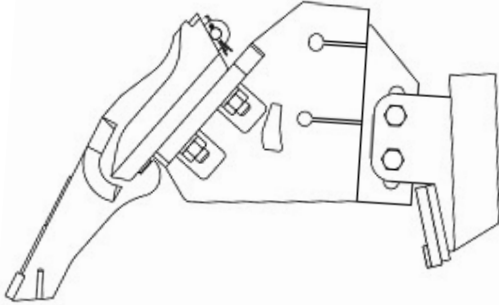
		Exc	Inc
PT1320	* Forward/Chamberlain 270/753/846/853 (Obsolete when stock exhausted)	\$ 65.00	\$ 71.50

* Uses 7/16" x 2½" Bolt & Nut (Part No. BNW716212) through the tine

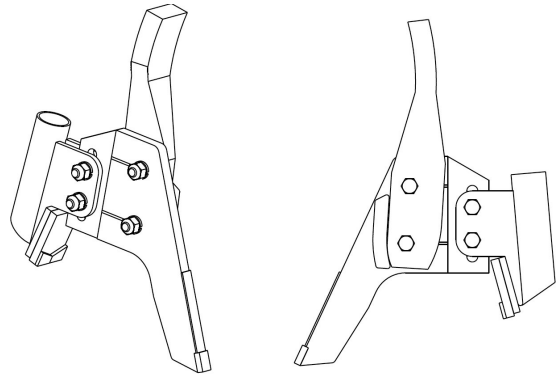
CONCORDE POINT & BOOT KITS

There are two options of kits for Concord Side-Mounted tynes:

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

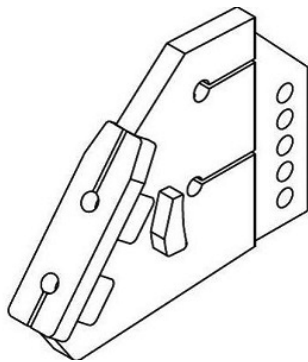


NT05 Bolt-On Kit

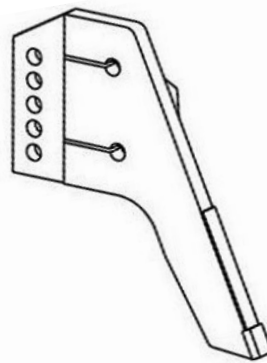
		Exc	Inc
PHB161655	NT11 16mm Concorde Converter Kit with 50mm Closer	\$255.00	\$280.50
PTB5655	NT05 16mm point, Concorde Bolt on Kit with 50mm Closer	\$185.00	\$203.50

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.

Replacement Parts for Concorde Point & Boot Kits



BR2160



PT1560

		Exc	Inc
BR2160	Bracket Concorde Converter to NT11	\$100.00	\$110.00
PT1560	** NT05 Point Concorde Side Mount	\$125.00	\$137.50

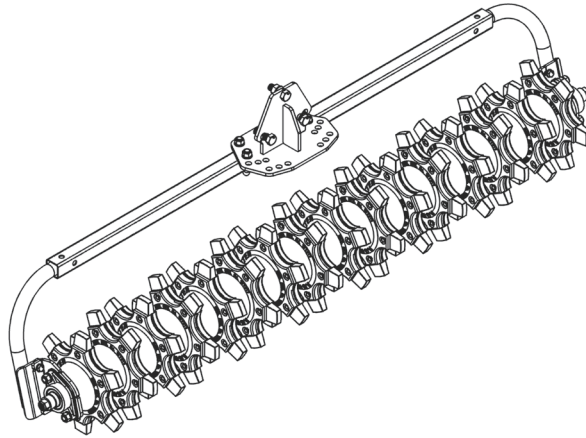
** Uses ½" x 2¼" Bolt & Nut (Part No. BNW12214) through the tyne

FOR REPLACEMENT POINTS, HOLDERS & BOOTS FOR NT11 KITS PLEASE REFER TO PAGES 29 - 31

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.

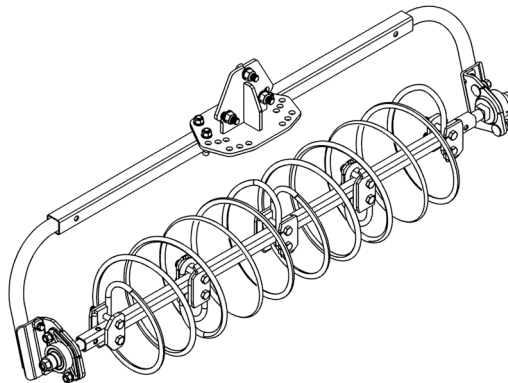


		Exc	Inc
HAT24	4ft Gang (HA3240 – 10 Stars) with Turntable	\$1500.00	\$1650.00
HAT25	5ft Gang (HA3250 – 13 Stars) with Turntable	\$1700.00	\$1870.00
HAT26	6ft Gang (HA3260 – 16 Stars) with Turntable	\$1900.00	\$2090.00

Order TAS-- Arms with these Harrows (page 46)

Coil Harrow Gangs

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



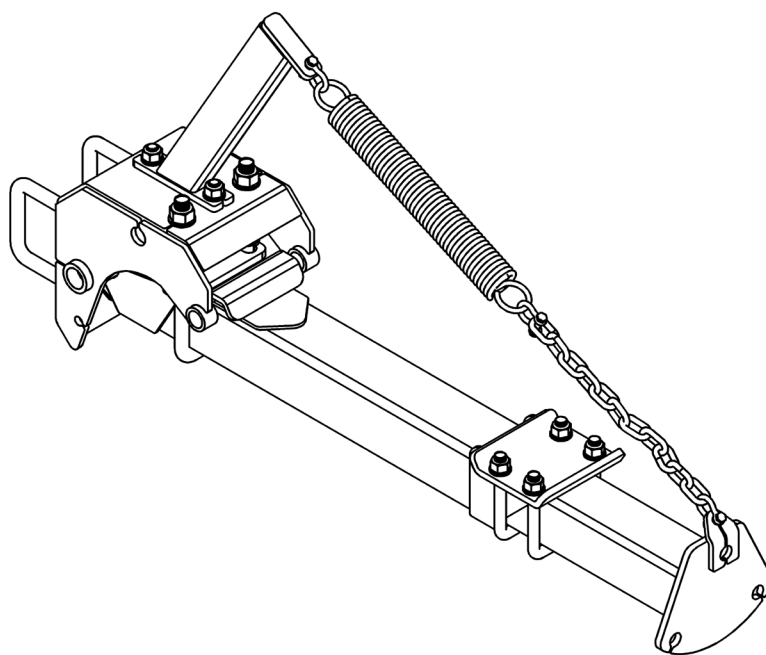
HAT74	4ft Gang (HA3740 – 3 springs) with Turntable	\$1350.00	\$1485.00
HAT75	5ft Gang (HA3750 – 4 springs) with Turntable	\$1550.00	\$1705.00

Order TAH-- Arms with these Harrows (page 46)

FOR REPLACEMENT PARTS FOR THESE GANGS PLEASE REFER TO PAGES 47 - 49

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.



Tele Arms to suit Star Harrows		Exc	Inc
TAS04	Telescopic Arm Kit to suit 100 x 100mm frame	\$1000.00	\$1100.00
TAS05	Telescopic Arm Kit to suit 75 x 75mm frame	\$1000.00	\$1100.00
TAS08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$1000.00	\$1100.00
TAS00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$1000.00	\$1100.00

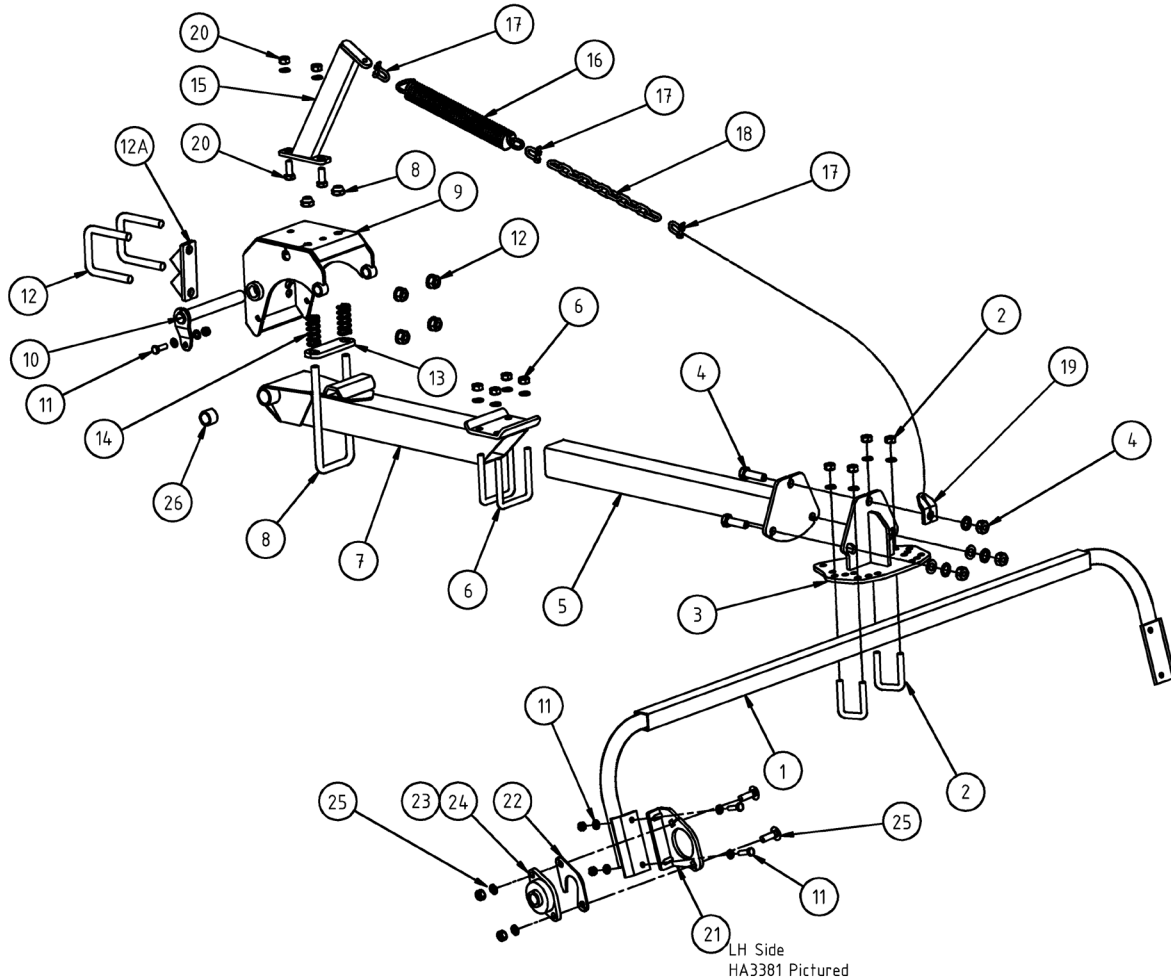
Tele Arms to suit Coil Harrows - comes with stronger spring for heavier coil gangs

TAH04	Telescopic Arm Kit to suit 100 x 100mm frame	\$1000.00	\$1100.00
TAH05	Telescopic Arm Kit to suit 75 x 75mm frame	\$1000.00	\$1100.00
TAH08	Telescopic Arm Kit to suit 75 x 75mm diamond frame (Shearer)	\$1000.00	\$1100.00
TAH00	Telescopic Arm Kit to bolt on behind Agmaster fixed extensions for Presswheels	\$1000.00	\$1100.00

FOR REPLACEMENT PARTS FOR THESE ARMS PLEASE REFER TO PAGES 47 - 48

HARROW COMPONENTS

TELE ARMS/TURNTABLE/GANG FRAME

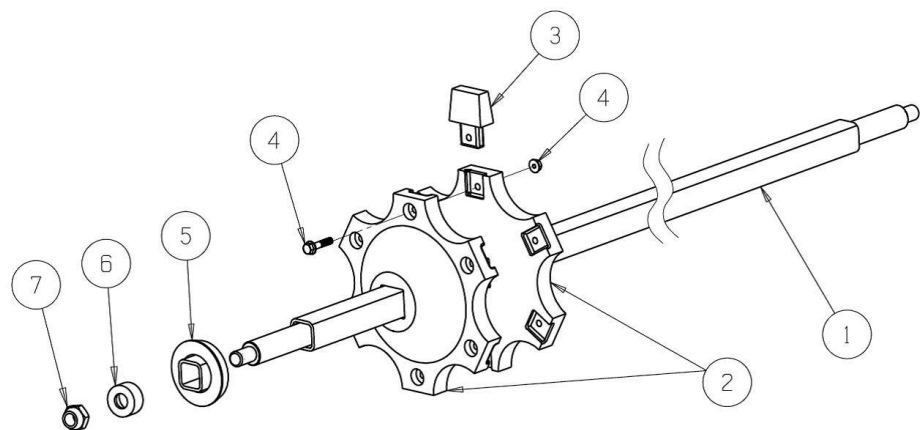
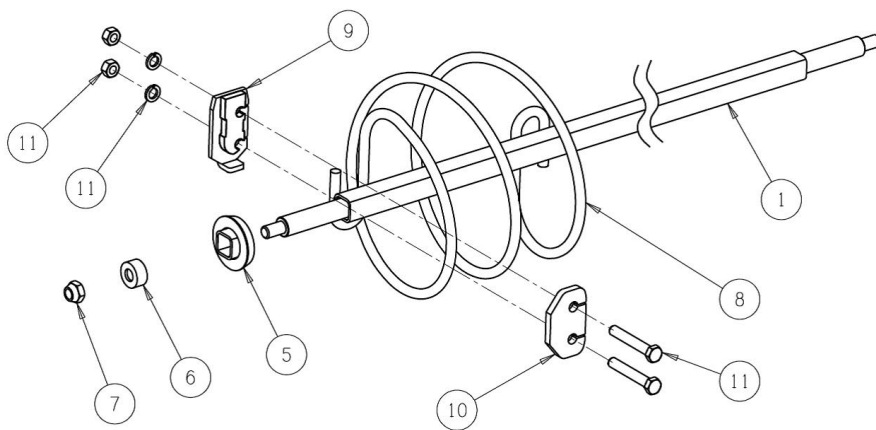


Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	HA3340	4' U Frame	1		\$200.00	\$220.00
	HA3350	5' U Frame	1		\$220.00	\$242.00
	HA3360	6' U Frame	1		\$240.00	\$264.00
2	UBN3003	U Bolt – M16, Nut & Washer	2		\$ 15.00	\$ 16.50
3	HA3310	Turntable	1		\$145.00	\$159.50
4	BNW20M60	Bolt – M20 x 60, Nut & Washer	3		\$ 6.00	\$ 6.60
5	TA3130	Inner Arm	1		\$130.00	\$143.00
6	UBN3002	U Bolt – M16, Nut & Washer	2		\$ 20.00	\$ 22.00
7	TA3120	Outer Arm	1		\$320.00	\$352.00
8	UBN3001	U Bolt – M20, Nut & Washer	1		\$ 35.00	\$ 38.50
9	HS3030	Headstock	1		\$280.00	\$308.00
10	HS3040	Pivot Pin	1		\$ 28.00	\$ 30.80
11	BNW12M40	Bolt – M12 x 40, Nut & Washer	5		\$ 2.00	\$ 2.20
12	UBN3004	UBolt M20 – Supersedes HS3060	2	For 100 mm Square RHS	\$ 25.00	\$ 27.50
	BNW20M120	Bolt – M20 x 120, Nut & Washer	4	For 75 mm Square RHS	\$ 10.00	\$ 11.00
	VBN3006	U-Bolt M20 x 140 x 122 ctr	2	Used with RHS Set on diagonal	\$ 25.00	\$ 27.50
12a	HS3070	Clamp Plate with BNW20M120	2	For 75mm Square RHS	\$ 12.00	\$ 13.20
	HS3080	Clamp Plate used with UB3006	2	Used with RHS set on diagonal	\$ 18.00	\$ 19.80
13	HS3090	Spring Plate	1	(Not used on Combines)	\$ 10.00	\$ 11.00
14	SP3011	Spring	2	(Not used on Combines)	\$ 5.00	\$ 5.50

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

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
15	HK3610	Spring Arm	1		\$ 68.00	\$ 74.80
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	\$ 11.00
19	HK3620	Lifting Lug	1		\$ 6.00	\$ 6.60
20	BNW16M40	Bolt – M16 x 40	2		\$ 4.00	\$ 4.40
21	HA3370	Brace/Bearing RH Assembled	1	Includes 21a,22,23,24,25	\$ 85.00	\$ 93.50
	HA3380	Brace/Bearing LH Assembled	1	Includes 21b,22,23,24,25	\$ 85.00	\$ 93.50
21a	HA3371	Bracket – RH	1		\$ 42.00	\$ 46.20
21b	HA3381	Bracket – LH (shown)	1		\$ 42.00	\$ 46.20
22	HA3372	Spacer plate	2		\$ 6.00	\$ 6.60
23	BE114UCR3	Bearing – UC207-20R3	2	Triple Lip Seal	\$ 20.00	\$ 22.00
24	BE114FL	Flanged housing – 1 1/4" F207	2		\$ 12.00	\$ 13.20
25	BON16M50CUP	Cup Head Sq Bolt M16 x 50 & Nut	4		\$ 6.00	\$ 6.60
26	XTA3123	Tele Arm Outer Bush	2	Nyaltron Insert	\$ 6.00	\$ 6.60

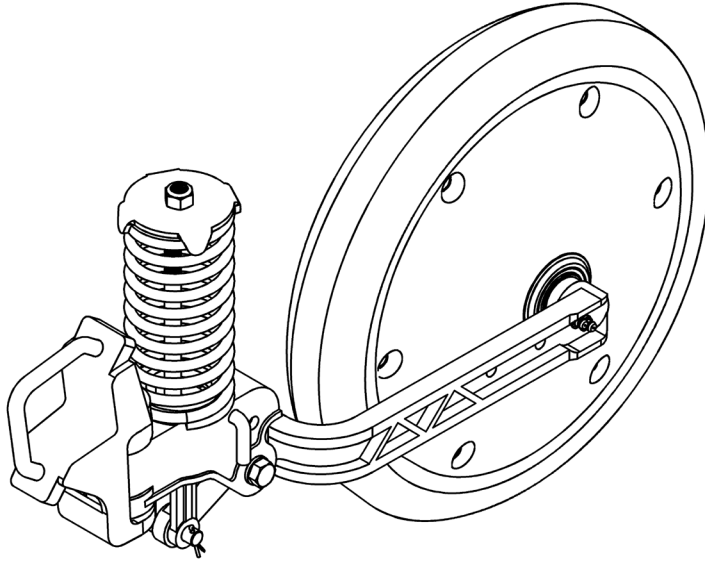
STARS, COILS & AXLES



Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	HA3440	4ft Axle	1		\$135.00	\$148.50
	HA3450	5ft Axle	1		\$145.00	\$159.50
	HA3460	6ft Axle	1		\$155.00	\$170.50
2	HA3510	Star Half	2 per star		\$ 25.00	\$ 27.50
3	HA3520	Star Tip	6 per star		\$ 5.50	\$ 6.05
	HA3520x100	Star Tips	Box of 100		\$500.00	\$550.00
4	BON8M35F	Bolt 8M x 35mm flanged & Nut	6 per star		\$ 0.80	\$ 0.88
	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	\$ 75.00	\$ 82.50
5	HA3390	Slinger	2		\$ 25.00	\$ 27.50
6	HA3410	Sleeve	2		\$ 5.00	\$ 5.50
7	NU20MNY	Nut – 20mm Nylock	2		\$ 1.70	\$ 1.87
8	SP3701	Spring Harrow Coil	3	Springs per 4ft axle	\$155.00	\$170.50
			4	Springs per 5ft axle		
9	HA3710	Coil Clamp	6	per 4ft axle	\$ 22.00	\$ 24.20
			8	per 5ft axle		
10	HA3720	Coil Clamp End Plate	2	per gang	\$ 12.00	\$ 13.20
11	BON16M110	Bolt M16 x 110 ZP, Nuts	8	per 4ft axle	\$ 6.00	\$ 6.60
			10	per 5ft axle		

PRESSWHEEL MODULES

Presswheel modules are supplied individually and include "V" bolt to secure to 65x65x4mm mounting bar (page 55)



		Exc	Inc
PWF50	Presswheel Flat 50mm Assembly	\$430.00	\$473.00
PWV70	Presswheel "V" 70mm Assembly	\$430.00	\$473.00
PWV95	Presswheel "V" 95mm Assembly	\$430.00	\$473.00
PWW100	Presswheel 'W' Shape 100mm Assembly	\$450.00	\$495.00

FOR TYRE PROFILE IMAGES PLEASE REFER TO THE NEXT PAGE

Optional Extras

Inner Spring **For extra down-pressure**

SP4012	Optional Inner Spring 145 x 60	\$ 15.00	\$ 16.50
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To add Inner Spring to presswheel, simply add SP4012 to your order, they will automatically be fitted during assembly

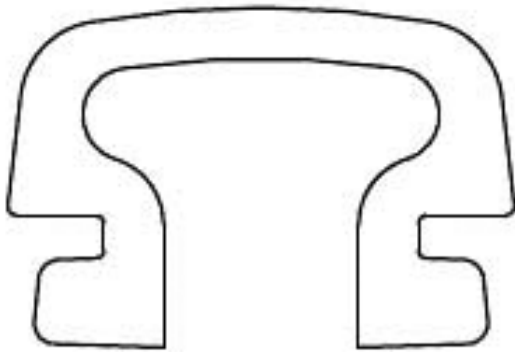
Presswheel Spacer **For extra clearance between arm and wheel to assist in mud shedding**

PW4440	Optional wheel to arm spacer	\$ 20.00	\$ 22.00
BO16M120	Corresponding bolt M16 x 120 for above spacer	\$ 5.00	\$ 5.50
For Presswheel modules ordered with spacer factory fitted add 'S' to above assembly part no's.		\$ 20.00	\$ 22.00
E.g. 70mm V tyre profile with spacer would be PWV70S		\$450.00	\$495.00

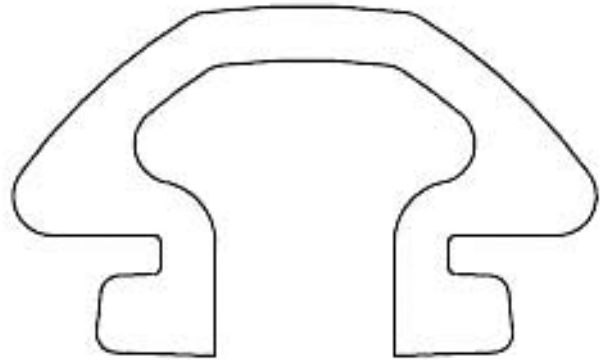
FOR REPLACEMENT PARTS FOR THESE KITS PLEASE REFER TO PAGES 56 - 59

TYRE PROFILES

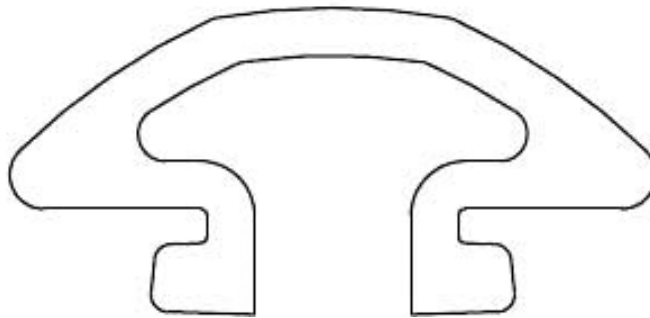
SEMI PNEUMATIC TYRE PROFILES (Actual Size on A4)



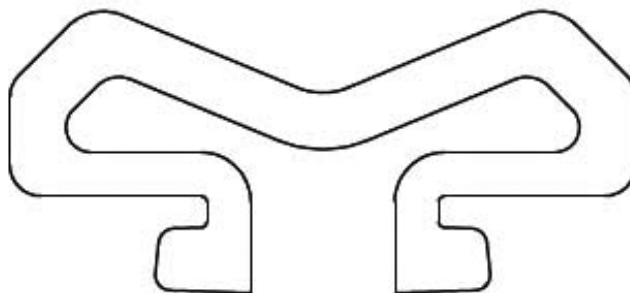
50mm Flat Tyre
Crumbles side of narrow slot



70mm "V" Tyre
General purpose in mixed soil types



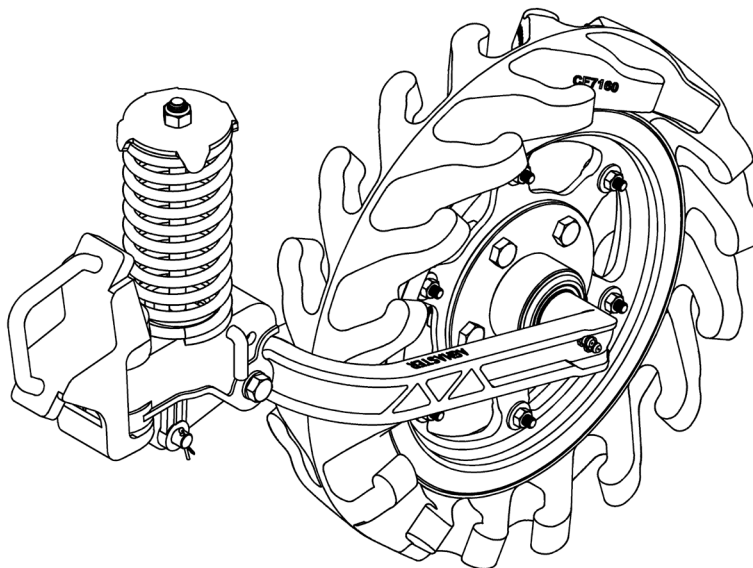
95mm "V" Tyre
Wide press on light sand soils



100mm W Tyre
For use with 95mm paired-row seeker boots

EMU TRACKER PRESSWHEEL MODULES

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



		Exc	Inc
PWE130	Emu Tracker Presswheel 130mm Tyre Assembly	\$485.00	\$533.50

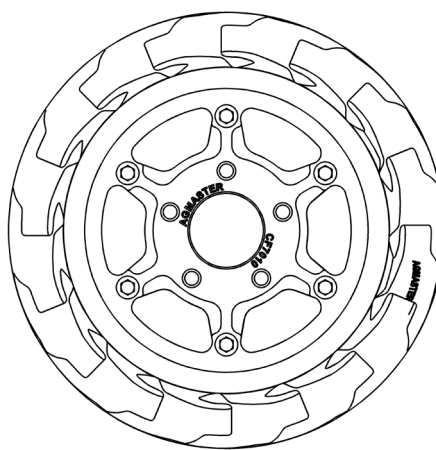
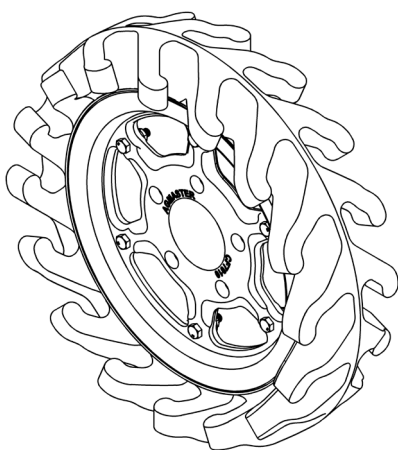
Optional Extras

Inner Spring For extra down-pressure

SP4012	Optional Inner Spring 145 x 60	\$ 15.00	\$ 16.50
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To add Inner Spring to presswheel, simply add SP4012 to your order, they will automatically be fitted during assembly

Spare Parts



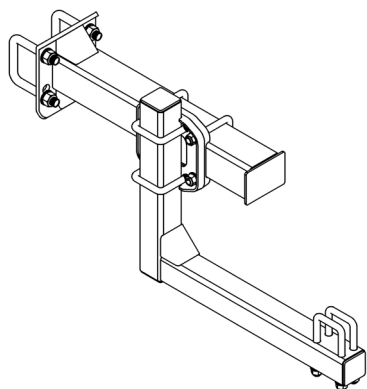
		Exc	Inc
CF7560	Emu Tracker replacement 5 stud wheel assembly	\$250.00	\$275.00
CF7160	Emu Tracker replacement tyre only	\$115.00	\$137.50
CF7050	Emu Tracker 5 stud single half hub (two required per wheel)	\$ 63.00	\$ 69.30

FOR OTHER REPLACEMENT PARTS FOR THE PIVOT/MOUNT ASSEMBLY PLEASE REFER TO PAGE 59

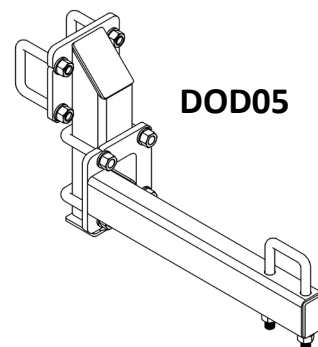
PRESSWHEEL MOUNTING ARMS

Fixed Extension Arm - Single

These kits bolt onto rear frame of the machine and provide an adjustable position for the mount bar (not included) to which the Presswheel bolts. Supplied with all parts & u-bolts pictured.



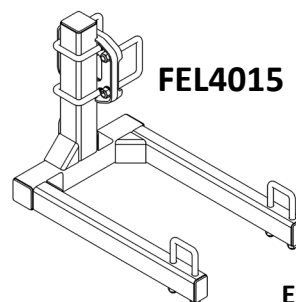
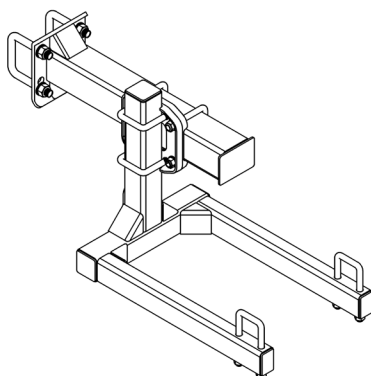
NOTE: 3x arms required for any machine sections with 18+ standard Presswheel modules or 12+ Emu Tracker modules



			Exc	Inc
FEO04	Fixed Extension Arm	Suits 100 x 100 frame	\$600.00	\$660.00
FEO05	Fixed Extension Arm	Suits 75 x 75 frame	\$600.00	\$660.00
FEO08	Fixed Extension Arm <i>diamond frame (Shearer)</i>	Suits 75 x 75 diamond	\$600.00	\$660.00
FEO00	Fixed Extension Arm	To fit in front of existing Agmaster Harrows	\$600.00	\$660.00
DOD05	Compact Fixed Extension Arm to suit Duncan	Suits 75 x 75 Duncan frame		

Fixed Extension Arm - Double Outrigger

For short sections of Folding Machines i.e. 7ft or less with a maximum 10x standard Presswheel Modules or 7x Emu Tracker Modules. Typically used on outer wings of Double Fold Machines



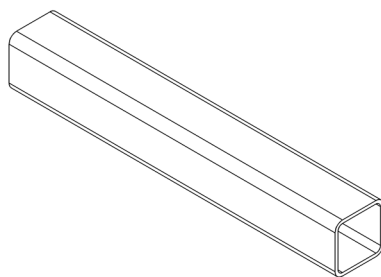
			Exc	Inc
FED04	Fixed Extension Arm with Double Outrigger	Suits 100 x 100 frame	\$750.00	\$825.00
FED05	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 frame	\$750.00	\$825.00
FED08	Fixed Extension Arm with Double Outrigger	Suits 75 x 75 diamond frame (Shearer)	\$750.00	\$825.00
FED00	Fixed Extension Arm with Double Outrigger	To fit in front of Agmaster Harrows	\$750.00	\$825.00
FEL4015	Double Outrigger only	For existing FE4030 or Harrow Tele Arm	\$450.00	\$495.00

(If using FEL4015 on Harrow Tele Arm also order HS3050 x 1, PI8L x 2)

Per set **HSP3050**

\$ 20.00 \$ 22.00

Mounting Bar



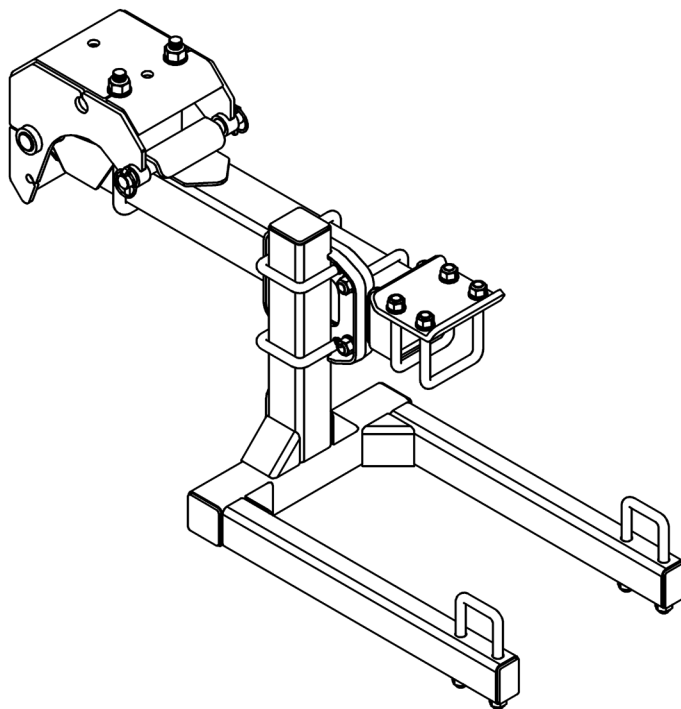
			Exc	Inc
RH65654 x length	e.g.: RHS 65mm x 65mm x 4mm	per metre	\$45.00	\$49.50
	Duragal – cut and capped			

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

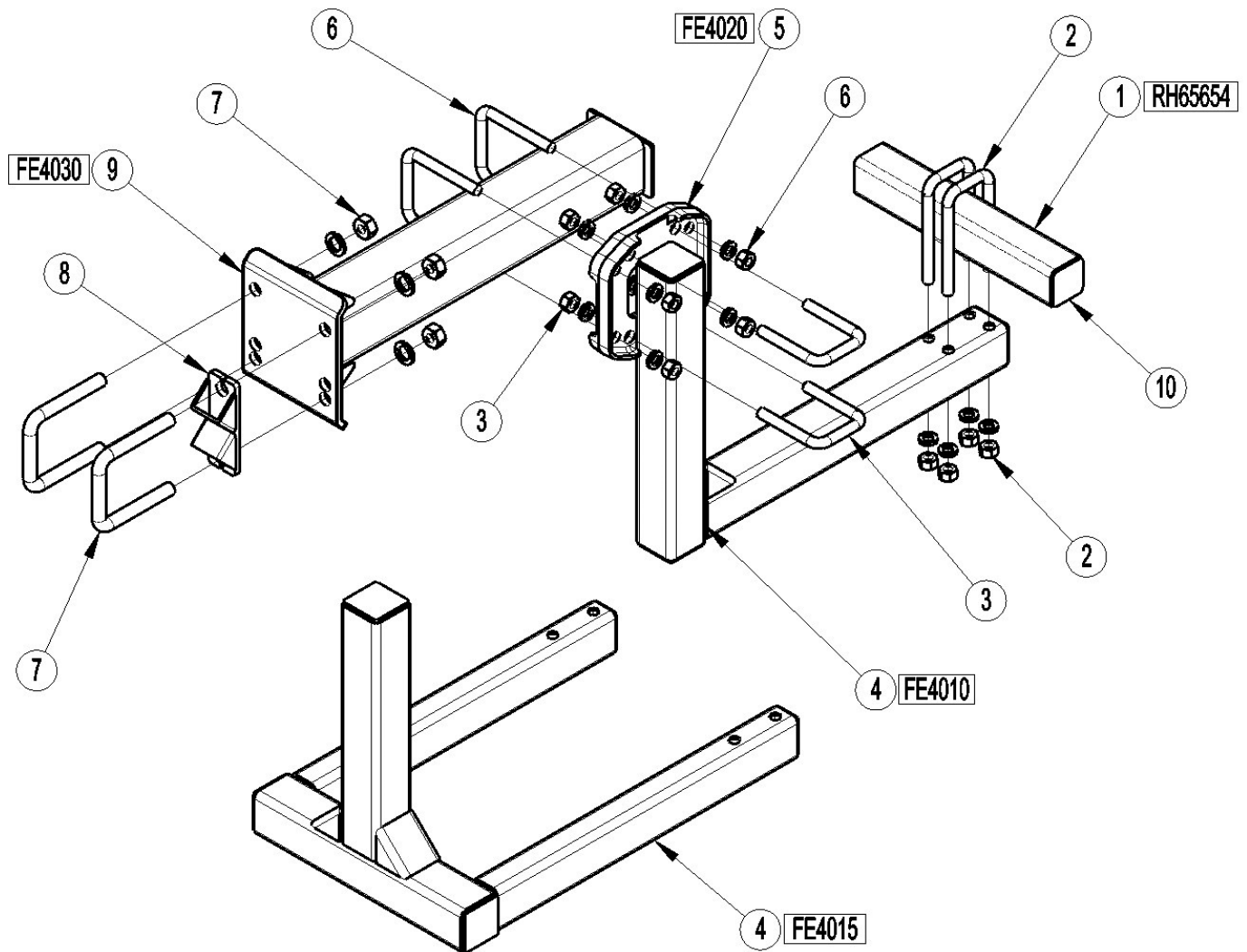
These kits are used when there is a requirement to interchange Presswheels and Harrows into the same tele arm arrangement.



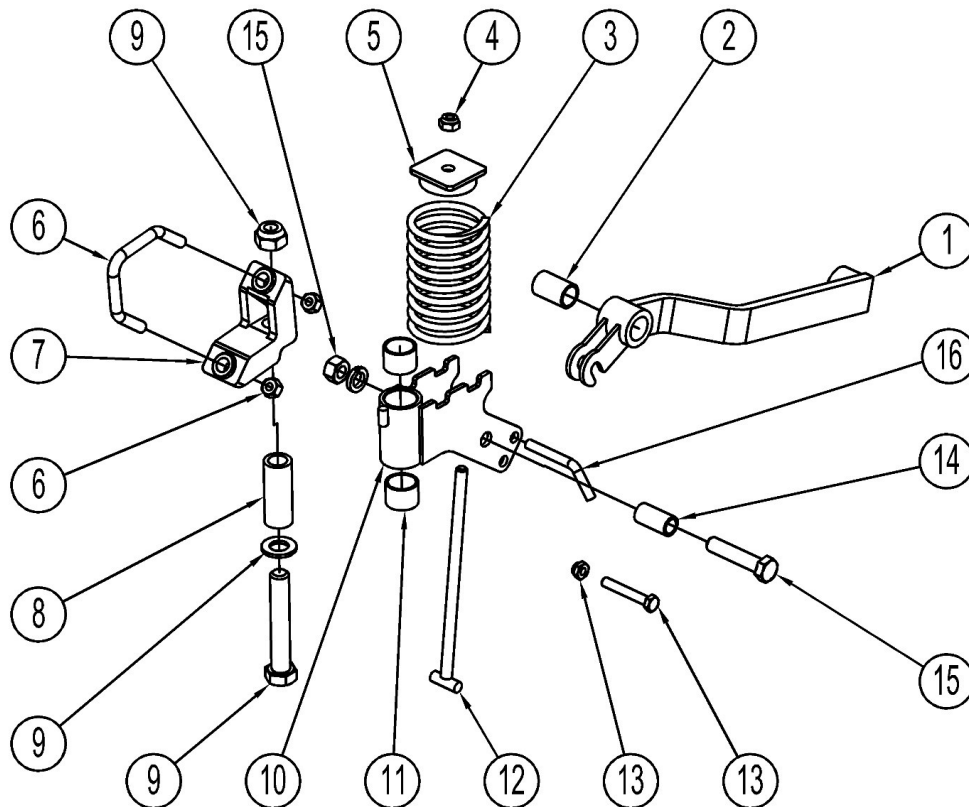
		Exc	Inc
TPO04	Telescopic Arm Presswheel Extension & Outrigger, 100 x 100 frame	\$1400.00	\$1540.00
TPO05	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 frame	\$1400.00	\$1540.00
TPO08	Telescopic Arm Presswheel Extension & Outrigger, 75 x 75 diamond frame	\$1400.00	\$1540.00
FEL4015	Double Outrigger for existing FE4030 or Harrow Tele Arm (see diagram pg54)	\$450.00	\$ 495.00
	(If using FEL4015 on Harrow Tele Arm also buy HS3050 x 1, PI8L x 2)		
	Per set HSP3050	\$ 20.00	\$ 22.00

PRESSWHEEL COMPONENTS

Fixed Extensions

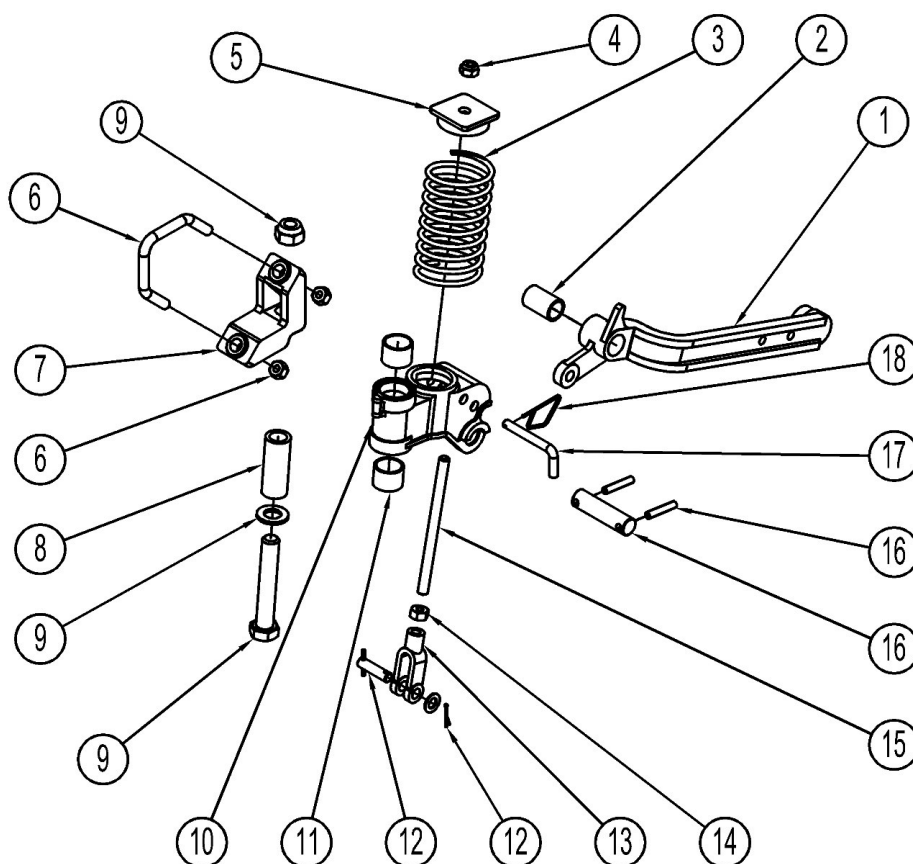


Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	RH65654	RHS 65 mm x 65 mm x 4 mm	AR	length to suit	\$ 45.00/mtr	\$ 49.50/mtr
2	UBN4002	U Bolt – M16, Nuts & Washers	2		\$ 20.00	\$ 22.00
3	UBN4003	U Bolt – M16, Nuts & Washers	2		\$ 15.00	\$ 16.50
4	FE4010	L Frame	1		\$160.00	\$176.00
or	FE4015	Double L Frame	1	refer page 54 for details	\$310.00	\$341.00
5	FE4020	Clamp plate	1		\$ 40.00	\$ 44.00
6	UBN3002	U Bolt – M16, Nuts & Washers	2		\$ 20.00	\$ 22.00
7	UBN3004	UBolt - M20, Nuts & Washers	2	for 100 mm Square RHS	\$ 25.00	\$ 27.50
	UBN3005	UBolt – M20, Nuts & Washers	2	for 75mm Square RHS	\$ 25.00	\$ 27.50
	VBN3006	UBolt – M20, Nuts & Washers	2	for RHS set on diagonal	\$ 25.00	\$ 27.50
8	HS3080	Clamp Plate	2	for RHS set on diagonal	\$ 18.00	\$ 19.80
9	FE4030	Extension	1		\$250.00	\$275.00
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	Exc	Inc
1	PW4270	Jump Arm 2002	1	Obsolete		
2	PW4276	Presswheel Jump Arm Bush 2002/03	1		\$ 5.00	\$ 5.50
3	SP4011	Spring 165 x 80	1		\$20.00	\$22.00
	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		\$ 5.00	\$ 5.50
6	VBN4001	V Bolt M12 90x100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount 2002/03	1	Obsolete but Upgradeable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 4.00	\$ 4.40
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$10.00	\$11.00
10	PW4260	Track Pivot 2002	1	Obsolete		
11	PW4266	Track Pivot Bush 25 x 35 2002/03	2		\$ 5.00	\$ 5.50
12	PW4267	T Bolt M12 x 250	1		\$10.00	\$11.00
13	BON10M65	Bolt – M10 x 65, Nut	1	Not stocked by Agmaster		
14	PW4275	Jump Arm Spacer 42 x 22 2002/03	1		\$ 3.00	\$ 3.30
15	BNW16M90	Bolt – M16 x 90, Nut, Washer	1		\$ 5.50	\$ 6.05
16	PW4590	Locking Pin	1		\$ 4.00	\$ 4.40
	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$60.00	\$66.00
		See diagram page 63				



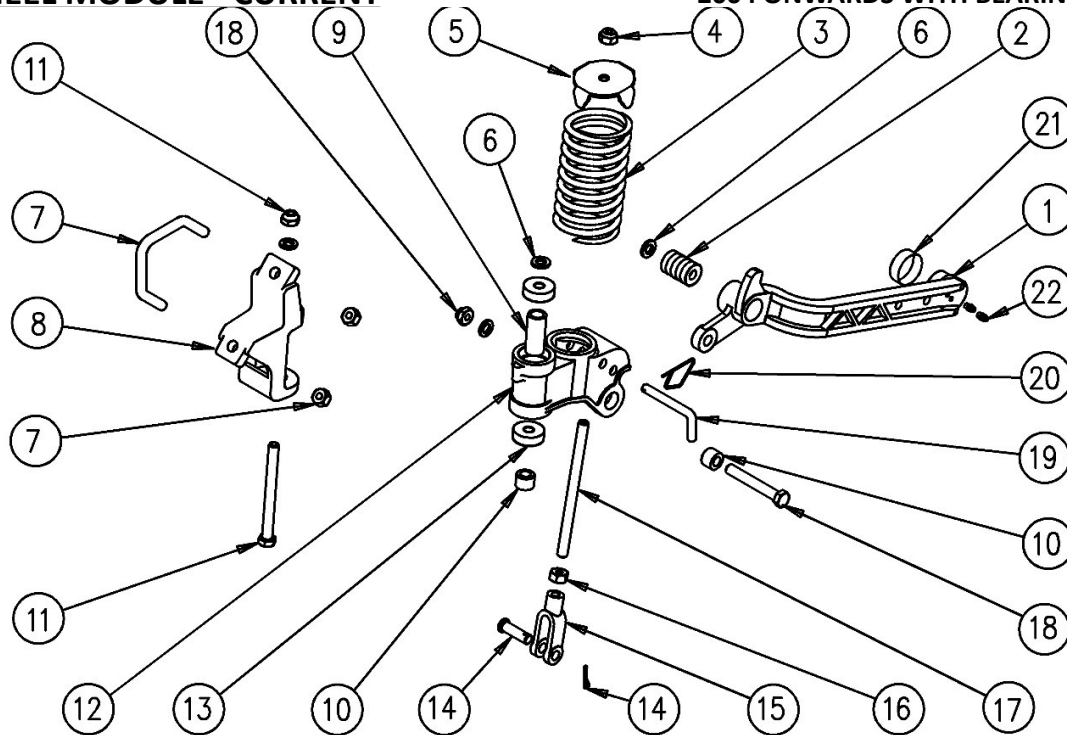
Note: This is for 2003 Model Presswheels. For 2004 model onwards see next page.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4290	Jump Arm 2003 (takes seal SE36PR518)	1	Includes 1, 2	\$80.00	\$88.00
2	PW4276	Jump Arm Bush 41 x 27 2002/03	1		\$ 5.00	\$ 5.50
3	SP4011	Spring 165 x 80	1		\$20.00	\$22.00
	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		\$ 5.00	\$ 5.50
6	VBN4001	V Bolt M12 90x 100ctr, Nut & Washer	1		\$ 5.00	\$ 5.50
7	PW4255	Pivot Mount	1	Obsolete but upgradeable (PWU45)		
8	PW4265	Track Pivot Spacer 77 x 30 2002/03	1		\$ 4.00	\$ 4.40
9	BNW20M120	Bolt – M20 x 120, Nut, Washer	1		\$10.00	\$11.00
10	PW4280	Track Pivot 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		\$ 5.00	\$ 5.50
12	PWS57	Clevis Pin, Split Pin	1		\$ 2.00	\$ 2.20
13	PW4560	Clevis Yoke	1		\$20.00	\$22.00
14	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
15	PW4550	Pressure Rod – M12	1		\$ 8.00	\$ 8.80
16	PWR4285	Jump Arm Pin 85 x 22 2003	1	Includes Roll Pins	\$ 6.00	\$ 6.60
17	PW4590	Locking Pin	1		\$ 4.00	\$ 4.40
18	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
	PWU45	Mount Upgrade PW4255 to PW4450	1	Includes Sleeve/Bolt	\$60.00	\$66.00

See diagram page 61

PRESSWHEEL MODULE - CURRENT

2004 ONWARDS WITH BEARING TYPE PIVOTS

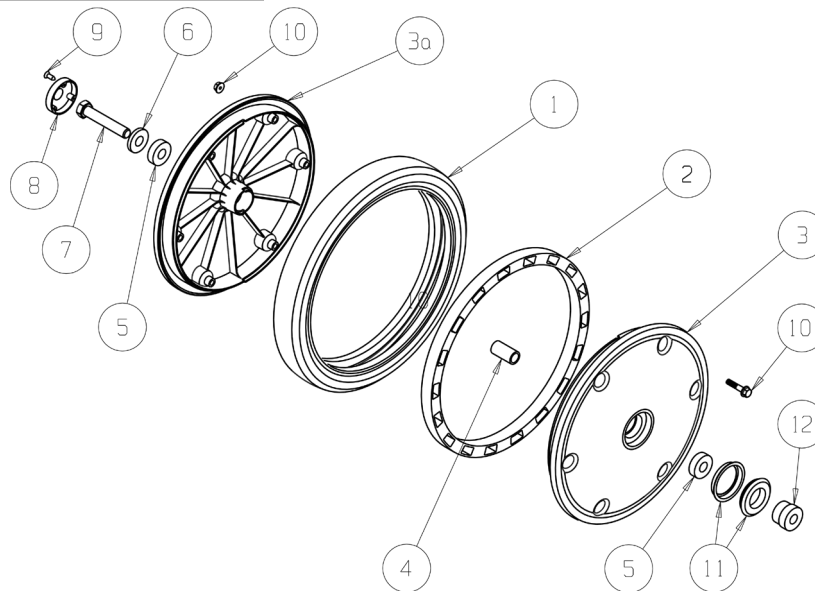


Note: This is 2004 - current model. See previous pages for earlier model parts.

Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4420 or PW4405	Current Jump Arm 2005- Onwards w Bearings (doesn't suit Emu Tracker) Jump Arm 2004 Only Model with Bearings & Sleeve	1	Incl 1, 2, 22. Takes seal SE36P6641 Incl 1, 2, 21. Takes seal SE36PR6518	\$ 90.00	\$ 99.00
2	BE1228	Bearing (6001-2RS)	5		\$ 2.00	\$ 2.20
3	SP4011	Spring 165 x 80	1		\$ 20.00	\$ 22.00
	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		\$ 5.00	\$ 5.50
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		\$ 50.00	\$ 55.00
9	PW4480	Track Pivot Bearing Spacer	1		\$ 3.00	\$ 3.30
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	\$ 70.00	\$ 77.00
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		\$ 20.00	\$ 22.00
16	NU12MZP	Nut M12	1		\$ 0.30	\$ 0.33
17	PW4550	Rod – M12	1		\$ 8.00	\$ 8.80
18	BNW12M85	Bolt – M12 x 85, Nut & Washer	1		\$ 3.00	\$ 3.30
19	PW4590	Locking Pin	1		\$ 4.00	\$ 4.40
20	PI3MIN	R Clip – B9 or Min clip	1		\$ 1.20	\$ 1.32
21	PW4415	Seal Wear Sleeve	1	2004 Model only	\$ 5.00	\$ 5.50
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	\$ 55.00	\$ 60.50
	PW4000	Presswheel Assembly – No Wheel	1	Not incl #7 and all items on P60	\$270.00	\$297.00

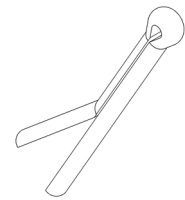
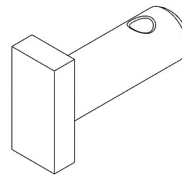
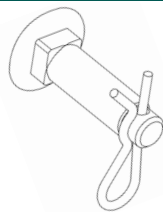
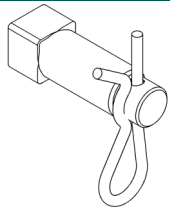
Use one of our online building tools for Seeding Kits and Presswheels to help you with specific part numbers, calculations and prices.

WHEELS, PARTS, RIMS & SEALS



Ref	Part No.	Description	Qty	Remarks	Exc	Inc
1	PW4300	Tyre – 100mm 'W'	1	Includes Item 2	\$110.00	\$121.00
	PW4310	Tyre – 70 mm V	1	Includes Item 2	\$ 90.00	\$ 99.00
	PW4320	Tyre – 95 mm V	1	Includes Item 2	\$ 90.00	\$ 99.00
	PW4330	Tyre – 50 mm flat	1	Includes Item 2	\$ 90.00	\$ 99.00
	PW4340	Tyre – 20mm wedge	1	Includes Item 2	\$110.00	\$121.00
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	\$ 40.00	\$ 44.00
3a	PW4360	Rim Half – Cap Side with bearing	1		\$ 30.00	\$ 33.00
4	PW4380	Bearing Spacer	1		\$ 3.00	\$ 3.30
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 w grease notch	1	Secures Wheel to Arm	\$ 5.00	\$ 5.50
	BO16M120	Bolt – M16 x 120 w grease notch	1	Secures Wheel to Arm (w spacer)	\$ 5.00	\$ 5.50
8	PW4390	Cap	1	From 2003 – Takes 3 x SC825	\$ 5.00	\$ 5.50
	PW4251	Cap – Grey	1	Knock in type for 2002 model	\$ 5.00	\$ 5.50
9	SC825	Self tapping Screw	3	8 gauge x 25mm countersunk	\$ 0.20	\$ 0.22
10	BON8M35F	Bolt 8M x 35 Flanged, Nut	6		\$ 0.80	\$ 0.88
			per rim			
11	SE36P6641	Seal P6641 & Ring	1	Current 2005 onwards–use on PW4420 arm	\$ 6.00	\$ 6.60
	or					
	SE36PR6518	Seal TC1.437	1	2003/04 model– use on PW4290/PW4405 arm	\$ 5.00	\$ 5.50
<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	\$ 20.00	\$ 22.00
	BO16M120	Bolt M16 x 120 w grease notch	1	Required with above spacer PW4440 in place of BO16M90	\$ 5.00	\$ 5.50
	PW4200	100 mm 'W' wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$190.00	\$209.00
	PW4210	70 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$170.00	\$187.00
	PW4220	95 mm V wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$170.00	\$187.00
	PW4230	50 mm flat wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$170.00	\$187.00
	PW4240	20 mm wedge wheel assembly	1	Above Assembly Minus 6, 7, 8, 9	\$190.00	\$209.00

FASTENERS



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

PINS

		Exc	Inc
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
PI12A41	Pin 12mm x 41mm Square 2021	\$ 1.90	\$ 2.09
PI12A45	Pin 12mm x 45mm 2018-2020	\$ 1.90	\$ 2.09
PI432R	R-Clip 43 x 2.5 for PI124XA	\$ 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	\$ 5.00	\$ 5.50
BO16M120	Bolt M16 x 120 Z/P - Presswheel	\$ 5.00	\$ 5.50

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	\$ 0.80	\$ 0.88

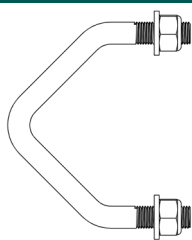
Other Bolts & Nuts not shown are listed under "Bolt, Nut and Washer" sets

BOLTS, NUT & WASHERS (SETS)

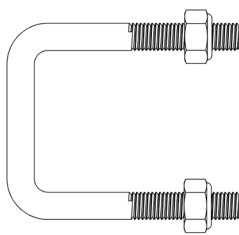
BNW12112	Bolt ½" UNF x 1½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12134	Bolt ½" UNF x 1¾", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW122	Bolt ½" UNF x 2", Conelock Nut & 2 x Washers	\$ 3.00	\$ 3.30
BNW12212	Bolt ½" UNF x 2½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12214	Bolt ½ UNF x 2¼", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12234	Bolt ½" UNF x 2¾" Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW123	Bolt ½ UNF x 3", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW12312	Bolt ½" UNF x 3½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW7162	Bolt 7/16 x 2", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW716212	Bolt 7/16 UNF x 2½", Conelock Nut & Washer	\$ 3.00	\$ 3.30
BNW716234	Bolt 7/16 UNF x 2¾", Conelock Nut & Washer	\$ 3.00	\$ 3.30
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	\$ 3.00	\$ 3.30
BNW12M130	Bolt M12 x 130, Nut & Washer	\$ 3.50	\$ 3.85
BNW16M40	Bolt M16 x 40, Nut & Spring Washer	\$ 4.00	\$ 4.40
BNW16M55	Bolt M16 x 55, Conelock Nut & Washer	\$ 4.00	\$ 4.40
BNW20M60	Bolt M20 x 60, Nut, Spring Washer & Flat Washer	\$ 6.00	\$ 6.60
BNW20M120	Bolt M20 x 120, Nut & Spring Washer	\$10.00	\$11.00
BNW20M150	Bolt M20 x 150, Nut & Spring Washer	\$12.00	\$13.20
BNW20M170	Bolt M20 x 170, Nut & Spring Washer	\$15.00	\$16.50

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

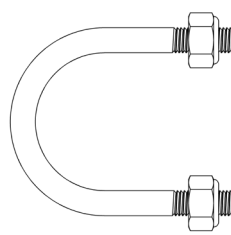
U - BOLTS & V - BOLTS



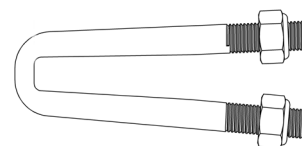
VBN4001
VBN3006



UBN1003 – UBN2002
UBN3001 – UBN4003*



UBN2007



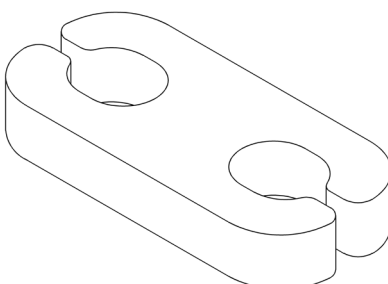
UBN2003 - UBN2004
Dimensioned

U BOLTS, NUTS & WASHERS (SETS)

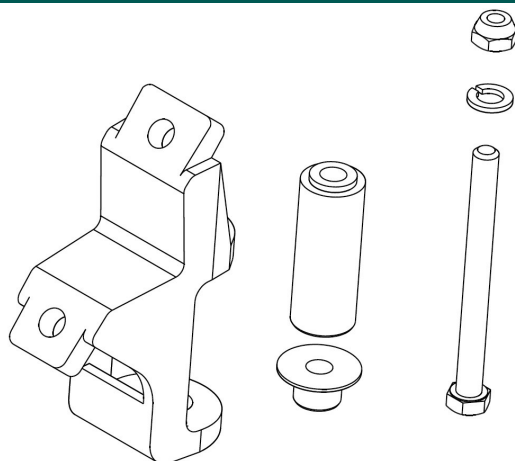
		Exc	Inc
UBN1003	U Bolt M10, 75 x 52, Nylock Nuts - Trashguards	\$ 5.00	\$ 5.50
UBN1004	U Bolt M10, 110 x 30, Nylock Nuts - Trashguards	\$ 5.00	\$ 5.50
UBN2001	U Bolt M12, 65 x 52, Nylock Nuts & Washers – NT11 Brackets	\$ 5.00	\$ 5.50
UBN2002	U Bolt M12, 85 x 30, Nylock Nuts & Washers – NT11 Brackets	\$ 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	\$ 5.00	\$ 5.50
UBN3001	U Bolt M20, 290 x 105, Nylock Nuts & Washers - Harrows	\$35.00	\$38.50
UBN3002	U Bolt M16, 130 x 102, Nuts & Washers – Harrows/Presswheels	\$20.00	\$22.00
UBN3003	U Bolt M16, 80 x 52, Nuts & Washers - Harrows	\$15.00	\$16.50
UBN3004	U Bolt M20 135 x 102, Nuts & Washers – Harrows/Presswheels (for 100mm x 100mm)	\$25.00	\$27.50
UBN3005	U Bolt M20 110 x 77, Nuts & Washers – Harrows/Presswheels (for 75mm x 75mm)	\$25.00	\$27.50
UBN4002	U Bolt M16, 166 x 67, Nuts & Washers - Presswheels	\$20.00	\$22.00
UBN4003	U Bolt M16, 105 x 77, Nuts & Washers - Presswheels	\$15.00	\$16.50
VBN3006	U Bolt M20 150 x 122, Nuts & Washers – Harrows/Presswheels (for 75mm x 75mm diamond)	\$25.00	\$27.50
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 (Used with UB2003, UB2004 without Boot Assembly)	\$ 4.00	\$ 4.40
UB5620	M12 x 52 U-Bolt Backing Plate (Used with UB5612 on Adjusta-Point Holder w without Boot Assembly or NT11 Seeker Boot)	\$ 4.00	\$ 4.40
TG1173	M10 x 30 U Bolt Backing Plate – used with UB1004	\$ 5.00	\$ 5.50
TG1175	M10 x 52 U Bolt Backing Plate – used with UB1003	\$ 5.00	\$ 5.50



UPGRADES



PWU45

Presswheel Mount Upgrade Pre 2004

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

Exc
\$ 60.00

Inc
\$ 66.00

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 re-screwing 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 10mm 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	TORQUE ACCURACY
Impact wrench stall type	+/- 50%
Impact wrench with torque bar	+/- 20%
Hand torque wrench	+/- 2% to +/-25%
Air motor stall type	+/- 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

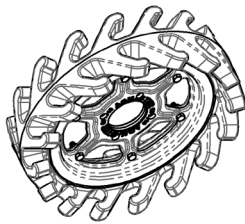
SIZE	SAE GRADE 5		SAE GRADE 8	
INCHES	UNC	UNF	UNC	UNF
	Ft.lbs	Ft.lbs	Ft.lbs	Ft.lbs
1/4	7.0	8.0	10.0	12.0
5/16	15.0	17.0	21.0	23.0
3/8	27.0	30.0	38.0	43.0
7/16	43.0	48.0	61.0	67.0
1/2	66.0	74.0	92.0	104.0
9/16	94.0	105.0	133.0	149.0
5/8	130.0	148.0	183.0	208.0
3/4	231.0	258.0	326.0	364.0
7/8	373.0	410.0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



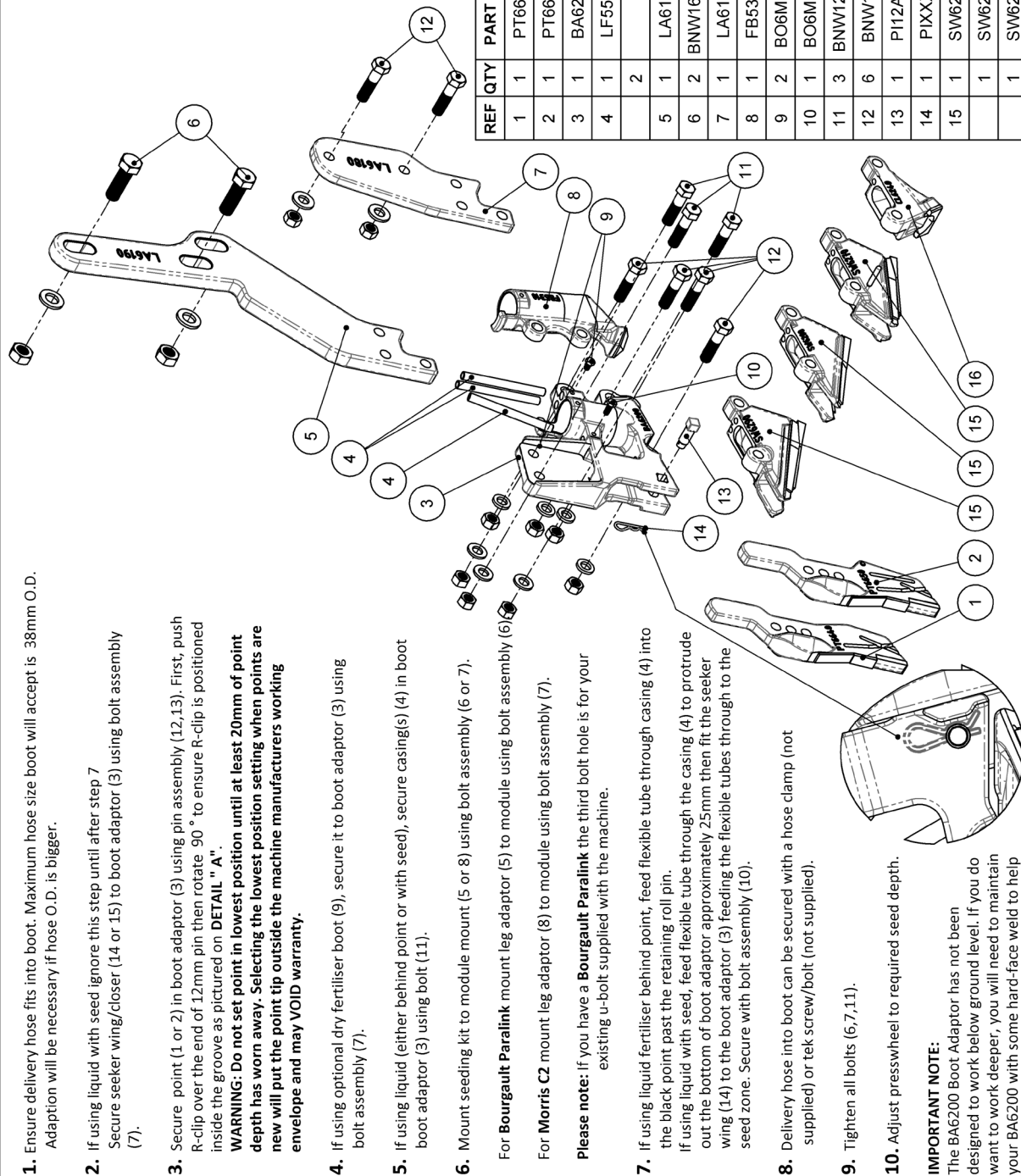
ASSEMBLY INSTRUCTIONS

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.



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.

IMPORTANT NOTE:

The BA6200 Boot Adaptor has not been designed to work below ground level. If you do want to work deeper, you will need to maintain your BA6200 with some hard-face weld to help prevent excessive wear.

DETAIL "A"

RE-TENSION ALL BOLTS AFTER 8hrs WORKING

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DWG No:

A12030

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

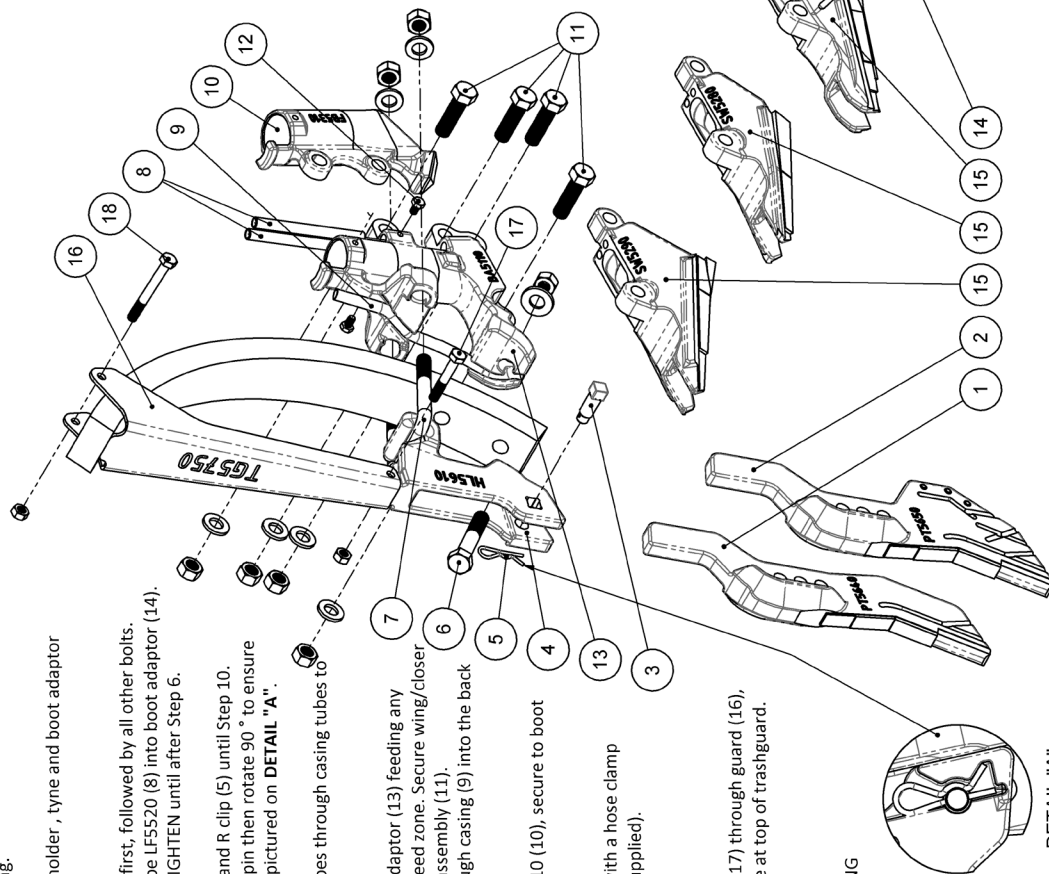


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REF	QTY	PART No.	DESCRIPTION
1	1	PT6640	STANDARD POINT
2	1	PT6650	LIQUID POINT
3	1	BA6200	MODULE BOOT ADAPTOR
4	1	LF5520	LIQUID CASING TUBE (SUPPLIED WITH PT6050)
5	2		(OPTIONAL FOR LIQUID WITH SEED)
6	1	LA6190	LEG ADAPTOR BOURGAULT
7	1	BNW16M55	BOLT, M16 x 55mm GR10.9 HEX, WASHER, CONELOCK NUT
8	1	LA6180	LEG ADAPTOR MORRIS C2
9	2	FB5310	FERTILISER BOOT
10	1	BO6M10S	BOLT, M6 x 10mm HEX
11	3	BNW12134	BOLT, 1/2" x 1 3/4" GR8.8, WASHER, CONELOCK NUT
12	6	BNW122	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
16	1	SW6280	MODULE SEEKER WING 85mm
17	1	SW6270	MODULE SEEKER WING 75mm
18	1	CL6240	MODULE CLOSER 45mm

ASSEMBLY INSTRUCTIONS

REF	QTY	PART No.	DESCRIPTION
1	1	PT5640/PT5660	ADJUSTABLE STD POINT
2	1	PT5650/PT5670	ADJUSTABLE LIQUID POINT
3	1	PI12A41	PIN, 12mm SQUARE NECK
4	1	HL5610	POINT HOLDER
5	1	PIXXXX	R - CLIP OR SPLIT PIN
6	1	BNW122XX	BOLT, 1/2" x 2.3/4" OR 3", WASHER, CONELOCK NUT
7	1	UBN5611	U-BOLT, M12 80x84, WASHER, NYLOC NUT
8	2	LF5520	LIQUID WITH SEE CASING TUBE
9	1	LF5420/LF5530	LIQUID FERTILISER TUBE CASING TUBE
10	1	FB5310	DRY FERTILISER BOOT
11	4	BNW122	BOLT, 1/2" x 2", WASHER, CONELOCK NUT
12	2	BO6M10S	BOLT, M6 x 10mm HEX
13	1	BA5110/BA5120	BOOT ADAPTOR
14	1	CL5240	CLOSER 45mm
15	1	SW5270	SEEKER WING 75mm
	1	SW5280	SEEKER WING 85mm
	1	SW5290	SEEKER WING 95mm
16	1	TG5750	TRASH GUARD
17	1	BON8M45	BOLT, M8 x 45mm, NYLOC NUT
18	1	BON8M65	BOLT, M8 x 65mm, NYLOC NUT



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. Align all parts to tyne and tighten u-bolt first, followed by all other bolts. If using liquid with seed, slide casing tube LF5520 (8) into boot adaptor (14). Fit loosely with M6 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.

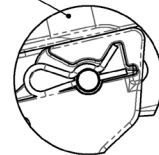
8. If using optional dry fertiliser boot FB5310 (10), secure to boot adaptor (13) with bolt assembly (11).

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).

RE-TENSION ALL BOLTS AFTER 8hrs WORKING



DETAIL "A"

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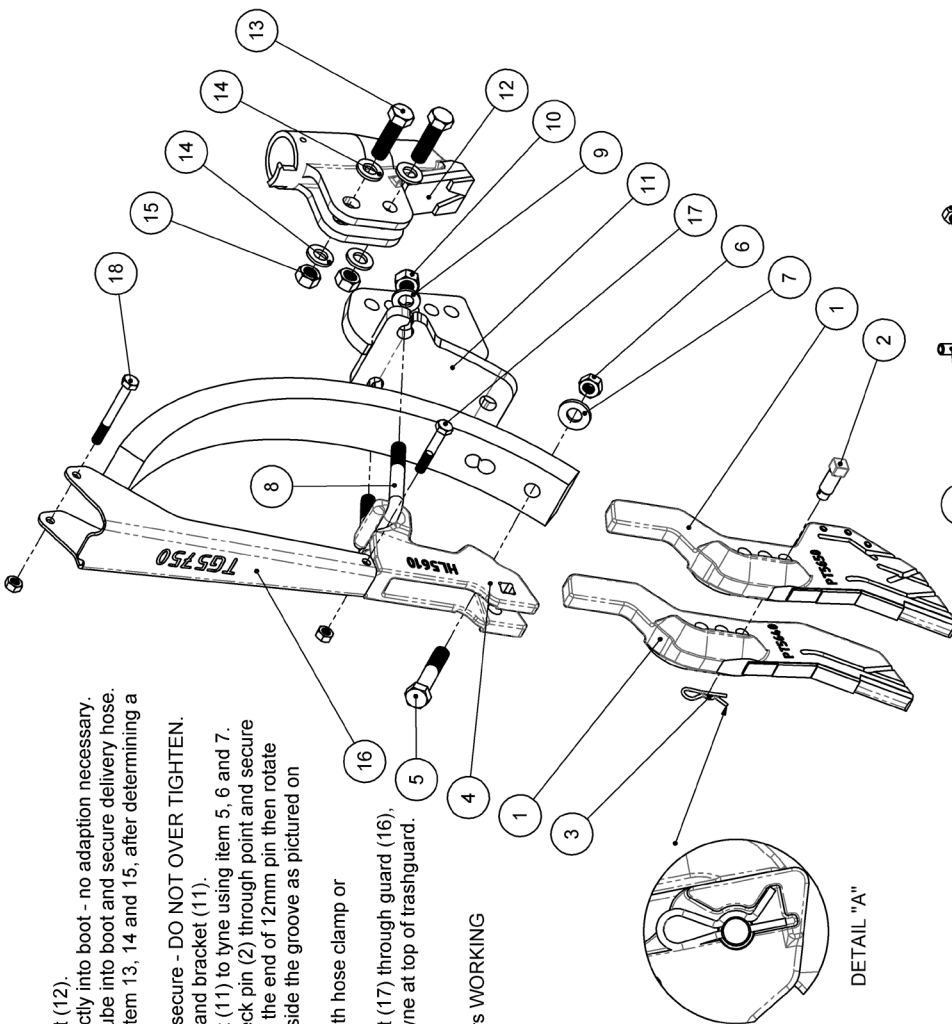
DWG No:
AI2040

ASSY INSTRUCTIONS
MULTI BOOT
C - SHANK

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ASSEMBLY INSTRUCTIONS

POINT AND BOOT		
REF	QTY	PART No. DESCRIPTION
1	1	PT5640/PT5660 ADJUSTABLE STD POINT
2	1	PT5650/PT5670 ADJUSTABLE LIQUID POINT
3	1	PI12A41 PIN, 12mm SQUARE NECK
4	1	PI432R R CLIP
5	1	HL5610 POINT HOLDER
6	1	BO123 BOLT, 1/2" x 3" UNF
7	1	BO12212 BOLT, 1/2" x 2 1/2" UNF
8	1	NU12CL NUT, 1/2" UNF
9	1	WA12MC CONICAL WASHER, M12
10	1	UB5611 U-BOLT, M12
11	2	WA12MC CONICAL WASHER, M12
12	2	NU12MNY NUT, M12 NYLOC
13	1	BR5810 BRACKET, TO SUIT TYNE
14	1	BT25XX BOOT - TO SUIT APPLICATION
15	2	BO122 BOLT, 1/2" x 2" UNF
16	4	WA12MC WASHER, M12 CONICAL
17	2	NU12CL NUT, 1/2" UNF
18	1	TG5750 TRASH GUARD
19	1	BON8M45 BOLT, M8 x 45mm, NYLOC NUT
20	2	BON8M65 BOLT, M8 x 65mm, NYLOC NUT



DETAIL "A"

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 delivery hose.
2. Bolt boot (12) to bracket (11) using item 13, 14 and 15, after determining a suitable height.
3. Fit U bolt (8) using item 9 and 10 to secure - DO NOT OVER TIGHTEN.
Tighten nuts (6) securing holder (4) and bracket (11).
4. Loosely point holder (4) and bracket (11) to tyne using item 5, 6 and 7.
5. Fit point (1) into holder, fit square neck pin (2) through point and secure with r clip (3). 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. Secure delivery hose to boot (12) with hose clamp or Tek screw (not supplied).
7. 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).

RE-TENSION ALL BOLTS AFTER 8hrs WORKING

LIQUID ATTACHMENT

1. Place clamp plate (20) over S bend in tube (21) and secure to lower hole of boot bracket (11) and tyne 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 (24), 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 of 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.

LIQUID ATTACHMENT		
19	1	LF2520 CLAMP PLATE - DOUBLE
20	1	LF2510/30 CLAMP PLATE - SINGLE
21	1	LF2570/80 TUBE - 6mm OR 10mm
22	1	P CLAMP WC
23	1	PC6S P CLAMP - 6mm
24	1	BO6M20 BOLT, M6 x 20mm
25	1	NU6MNY NUT, M6 NYLOC


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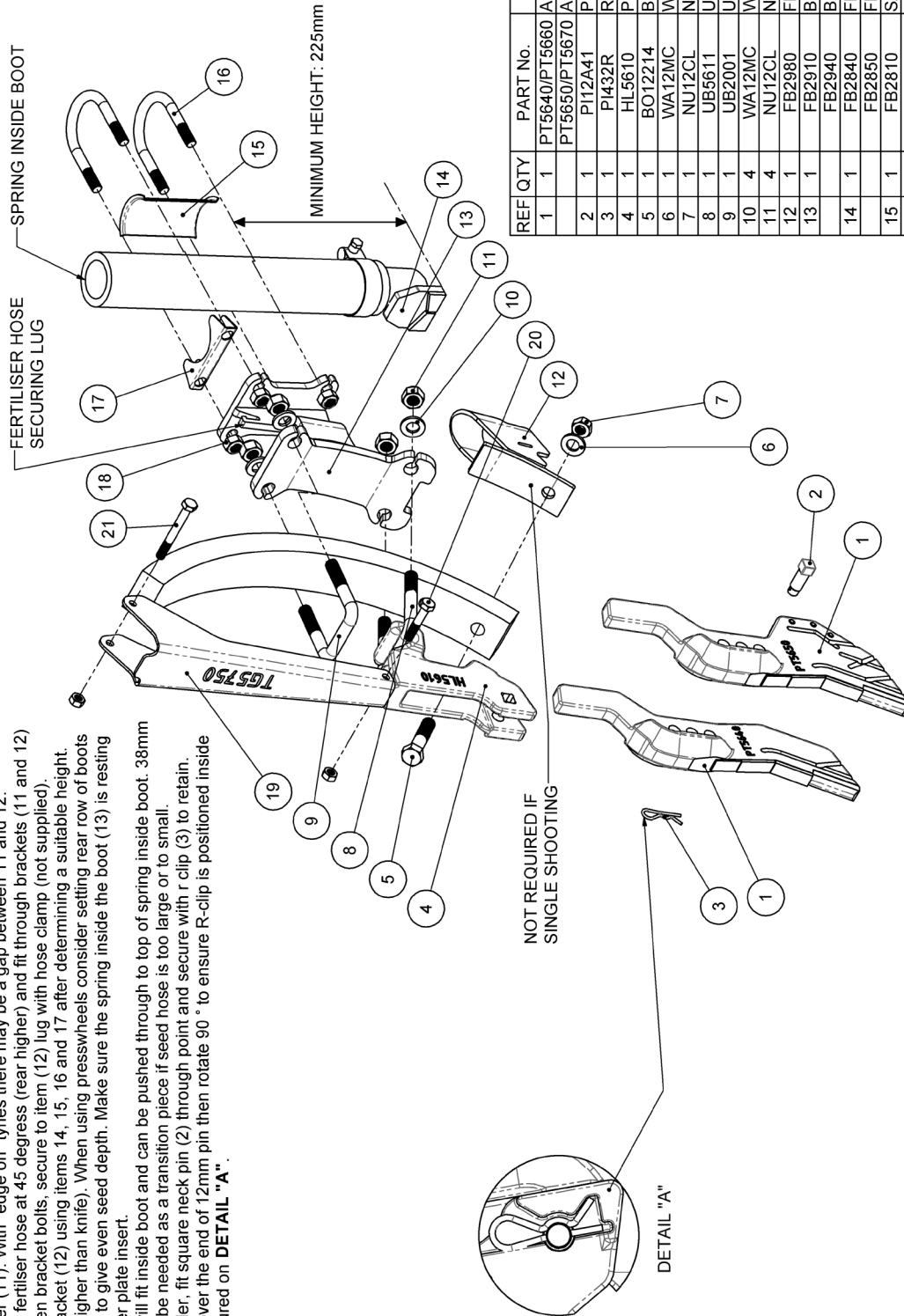
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 ASSY INSTRUCTIONS
 NT19 POINTS AND BOOTS

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ASSEMBLY INSTRUCTIONS

RE-TENSION ALL BOLTS AFTER 8hrs WORKING



1. Loosely fit holder (4) and fertiliser hose holder (11) to tyne using items 5, 6 and 7.
2. 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.
3. 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).
4. 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.
5. Most seed hose will fit inside boot and can be pushed through to top of spring inside boot. 38mm OD poly pipe maybe needed as a transition piece if seed hose is too large or too small.
6. 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
2	1	PT5650/PT5670	ADJUSTABLE LIQUID POINT
3	1	PI12A41	PIN, 12mm SQUARE NECK
4	1	PI432R	R CLIP
5	1	HL5610	POINT HOLDER
6	1	BO12214	BOLT, 1/2" UNF x 2 1/4"
7	1	WA12MC	WASHER, M12 CONICAL
8	1	NU12CL	NUT, 1/2" UNF
9	1	UB5611	U-BOLT, M12
10	4	UB2001	U-BOLT, M12
11	4	WA12MC	WASHER, M12 CONICAL
12	1	NU12CL	NUT, 1/2" UNF
13	1	FB2980	FERTILISER HOSE HOLDER
14	1	FB2910	BRACKET - FLAT ON TYNE
15	1	FB2940	BRACKET - EDGE ON TYNE
16	1	FB2840	FLEXI BOOT - 40mm CLOSER
17	1	FB2850	FLEXI BOOT - 50mm CLOSER
18	1	FB2810	SADDLE
19	1	FB2007	U-BOLT, M10
20	1	FB2820	CLAMP
21	1	NU10MN	NUT, M10 NYLOC
22	1	TG5750	TRASH GUARD
23	1	BON8M45	BOLT, M8 x 45mm, NYLOC NUT
24	1	BON8M65	BOLT, M8 x 65mm, NYLOC NUT

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ASSY INSTRUCTIONS
FLEXI BOOT AND POINT

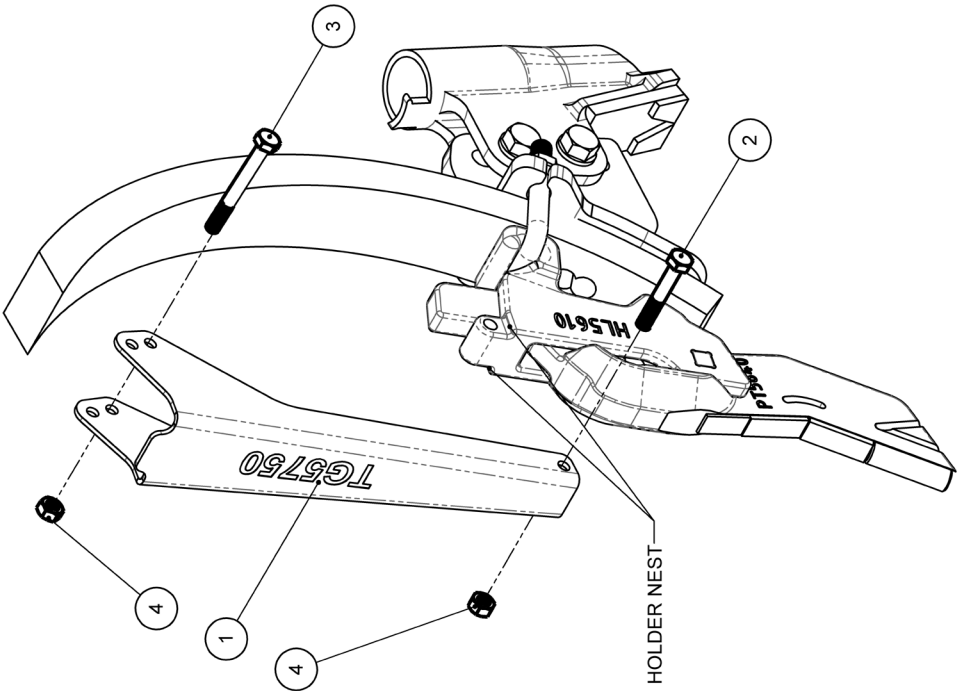
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ASSEMBLY INSTRUCTIONS

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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ASSEMBLY INSTRUCTIONS

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.

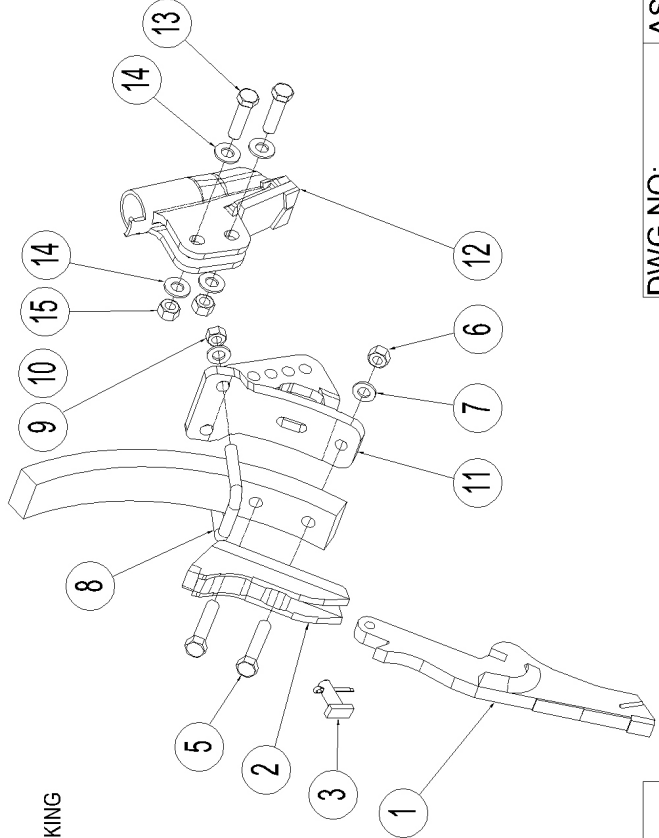
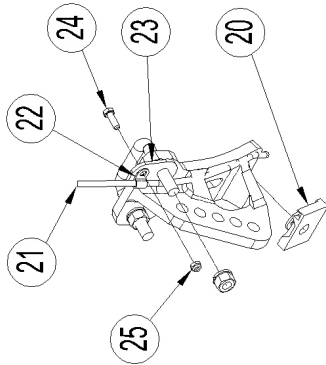
NOTE: Stainless tube (21) is a casing for smaller flexible delivery pipe (not supplied) and should finish close to the bottom of the clamp plate (20).

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

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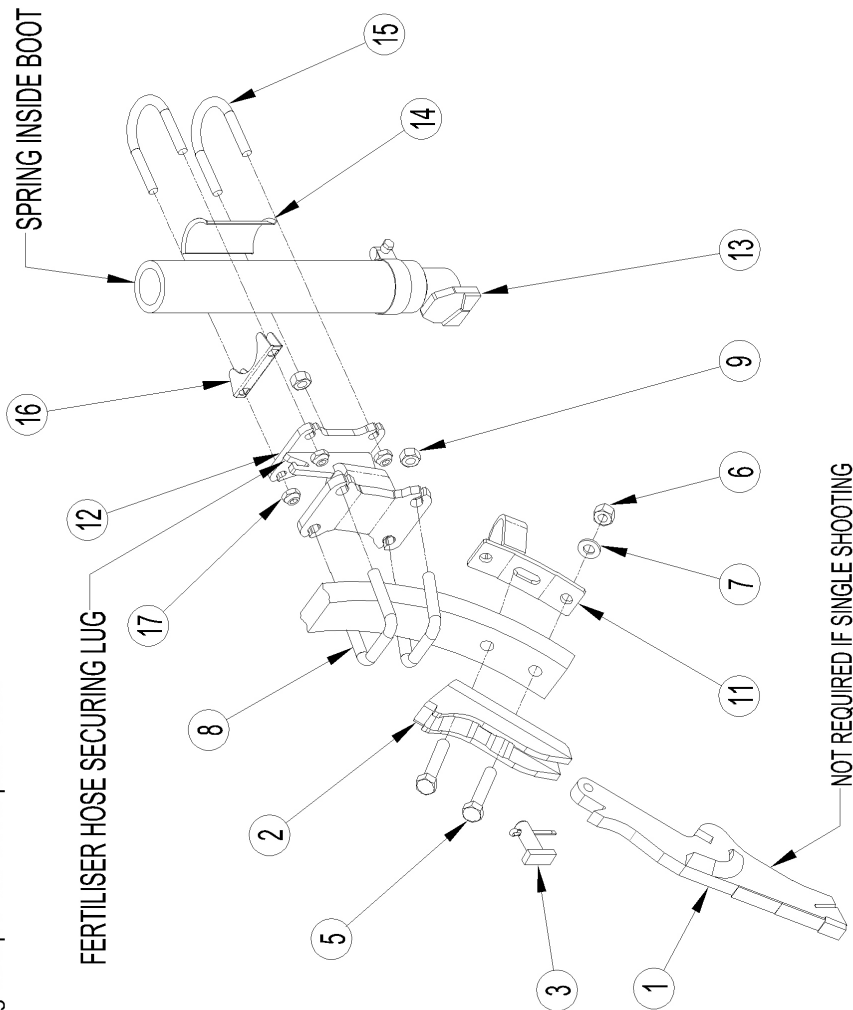
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ASSY INSTRUCTIONS
NT11 POINTS & BOOTS

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ASSEMBLY INSTRUCTIONS

- 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.
- 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



- Fit holder (2) and fertiliser hose holder (11) to tyne using items 5, 6 & 7.
- 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.
- 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.
- 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.

17	4	NU10MN		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	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	BO1212		BOLT 1/2" UNF X 2 1/2"
5	2	BO12214		BOLT 1/2" UNF X 2 1/4"
5	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
REF	QTY	PART No	DRG SIZE	DESCRIPTION


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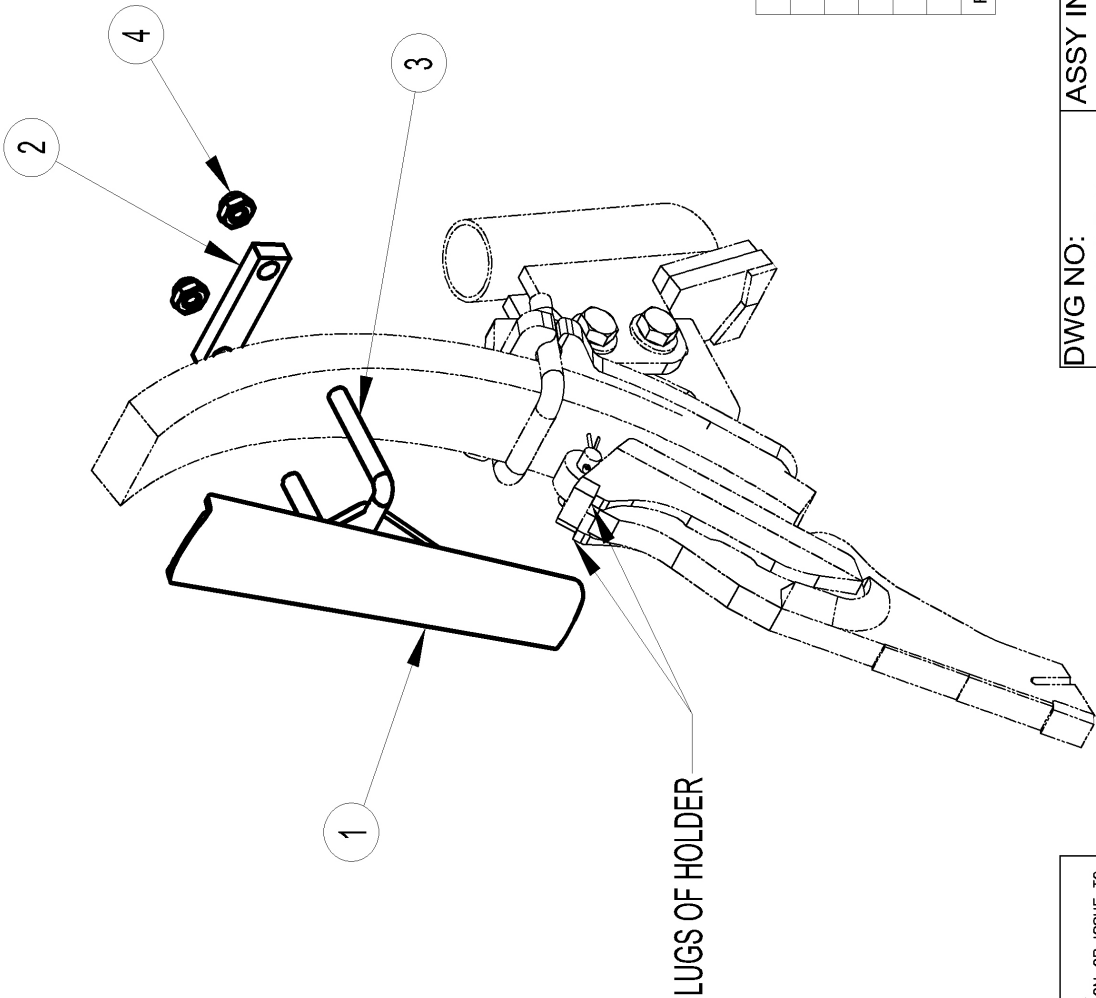
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 ASSY INSTRUCTIONS
 FLEXI BOOT AND POINT

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ASSEMBLY INSTRUCTIONS

RETENSION ALL BOLTS AFTER 8 hrs WORKING

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.



4	2	NU10MNY	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 SIZE
			DESCRIPTION

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ASSY INSTRUCTIONS
TRASH GUARD

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ASSEMBLY INSTRUCTIONS

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.

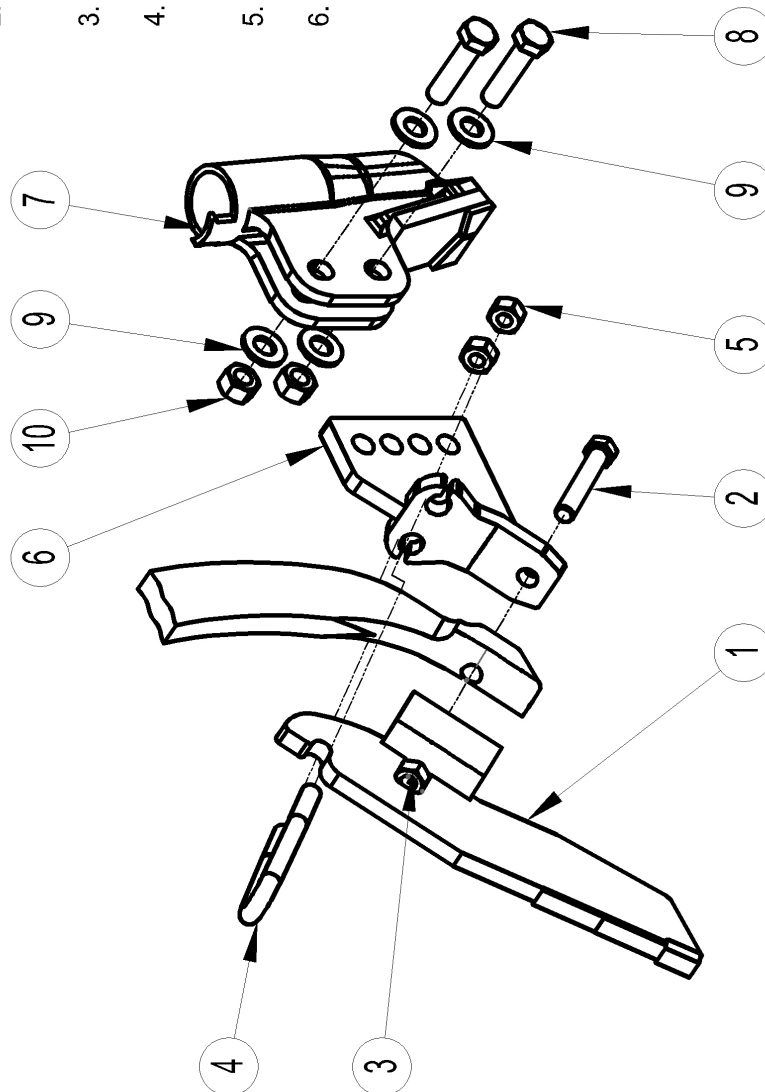
2. Bolt boot (7) to bracket (6) using items 8, 9 & 10, after determining a suitable height.

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**



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	NU12MNY		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	NU716CL		NUT 7/16" UNF FOR SEEDERS
2	1	BO12214		BOLT 1/2" UNF X 2 1/4" FOR SCARIFIERS
2	1	BO716212		BOLT 7/16" UNF X 2 1/2" FOR SEEDERS
1	1	PT18XX		POINT - TO SUIT TYNE
REF	QTY	PART No	DRG SIZE	DESCRIPTION

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ASSY INSTRUCTIONS
NT08 POINTS AND BOOTS

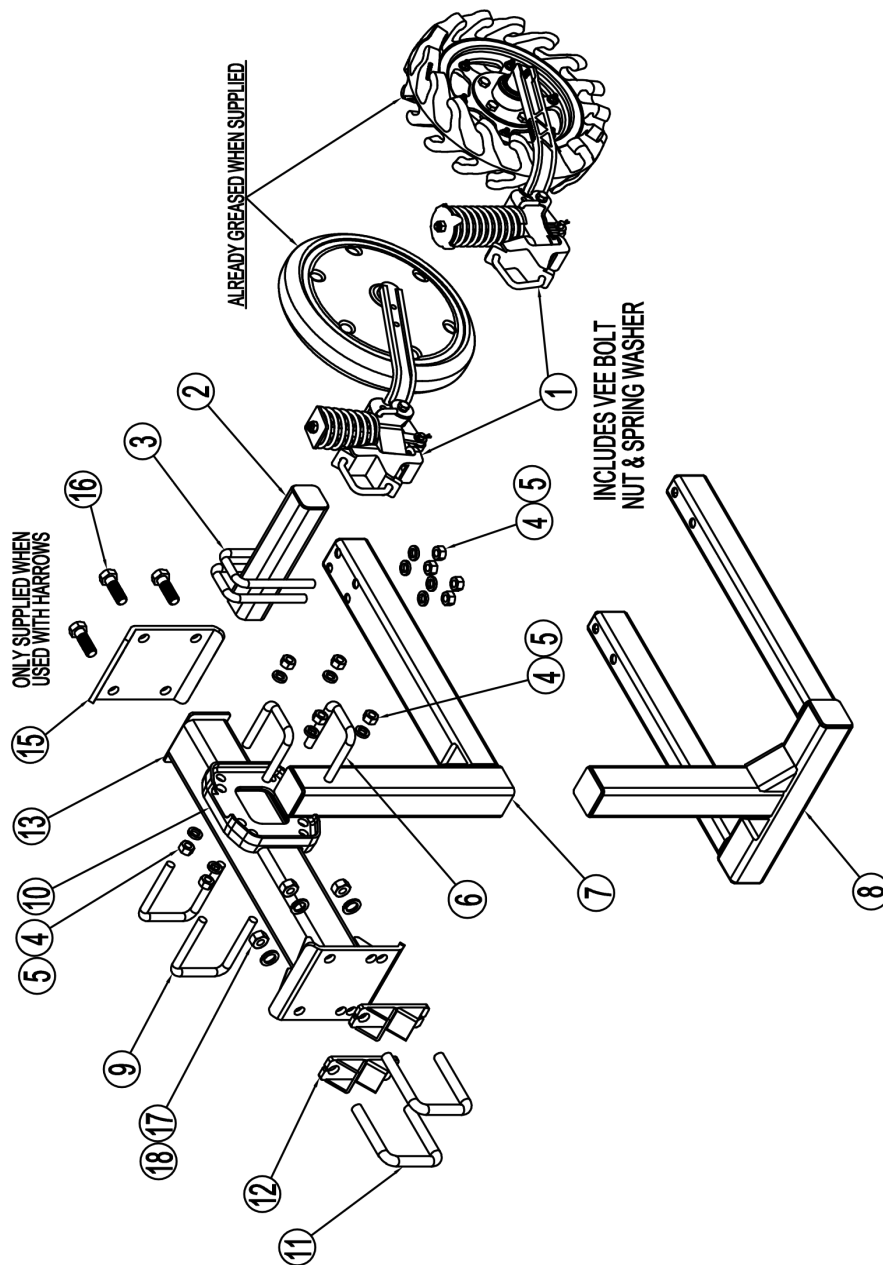
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WARNING: FOLD MACHINE VERY CAREFULLY THE FIRST TIME AFTER FITTING ATTACHMENTS, LOOK FOR FOULS

RE-TENSION ALL BOLTS AFTER 8 hrs WORKING

PRESS WHEEL ASSEMBLY WITHOUT HARROWS

1. 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.
2. 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 working ground level.
3. 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.
4. Position and fix press wheel assemblies in line with tines. If Vee bolt interferes with droppers (7 or 8), adjust position of extension (13).
5. Adjust down pressure as required.



18	4(4)	WA20MC	CONICAL WASHER - M20
17	4(4)	NU20MZP	NUT - M20
16	4	BO20M60	BOLT - M20 X 60
15	1	FE4032	HARROW CONNECT PLATE - TO BE WELDED
13	1	FE4030	EXTENSION MAIN ARM
12	2	HS3080	CLAMP PLATE FOR DIAMOND ORIENTATION ONLY
11	2	UB3006	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 - PW4150	PRESS WHEEL ASSEMBLY
REF	QTY	PART No	DESCRIPTION

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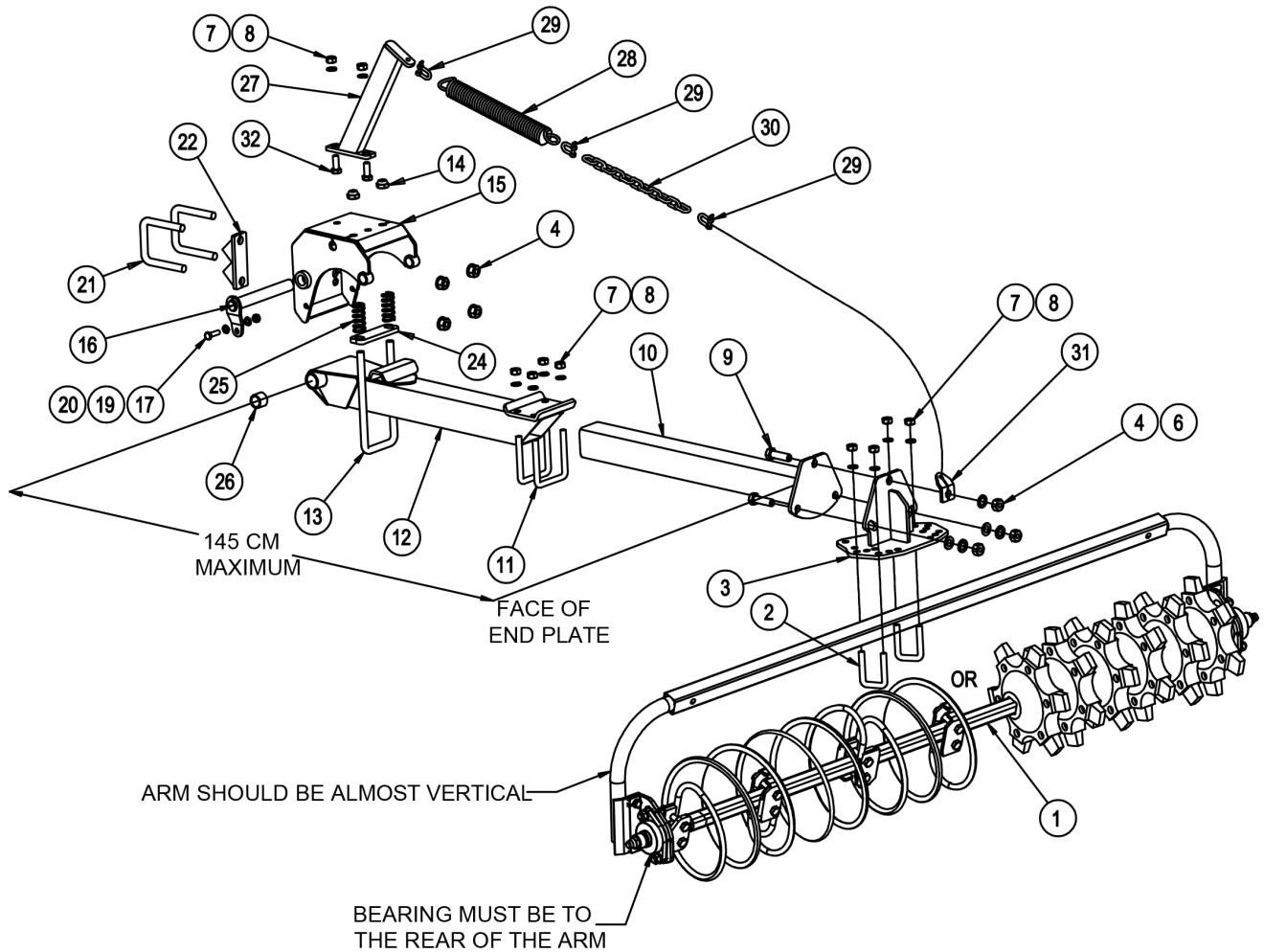
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PRESS WHEELS

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ASSEMBLY INSTRUCTIONS

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

RE-TENSION ALL BOLTS AFTER 8 hrs WORKING



17	1	BO12M40		BOLT, M12 x 40mm HEX
16	1	HS3040	A4	PIVOT PIN
15	1	HS3030	A4	HEADSTOCK
14	2	NU20MNY		NUT, M20 NYLOC
13	1	UB3001	A4	U-BOLT, M20
12	1	TA3120	A4	OUTER ARM
11	2	UB3002	A4	U-BOLT, M16
10	1	TA3130	A4	INNER ARM
9	3	BO20M60		BOLT, M20 x 60mm HEX
8	8/10	WA16MC		WASHER, M16 CONICAL
7	8/10	NU16M2P		NUT, M16
6	2	WA20MC		WASHER, M20 CONICAL
5				
4	7	NU20M2P		NUT - M20
3	1	HA3310	A4	TURNABLE
2	2	UB3003	A4	U BOLT - M16
1	1	HA3740/50		HARROW GANG ASSEMBLY - COIL
1	1	HA3240/50/60		HARROW GANG ASSEMBLY - STAR
REF	QTY	PART No	DRG SIZE	DESCRIPTION

18				
19	1	WA12MC		WASHER, M12 CONICAL
20	1	NU12MNY		NUT, M12 NYLOC
21	2	UB3004	A4	U-BOLT, M20 x 135 x 102 FOR 100 x 100 SQUARE
21	2	UB3006	A4	U-BOLT, M20 x 150 x 122 ON DIAMOND
22	2	HS3080	A4	CLAMP PLATE FOR UB3006 ON DIAMOND
21	4	BO20M120	A4	BOLT, M20 X 120, W/ WASHER & NUT FOR 75 x 75 SQ
22	2	HS3070	A4	CLAMP PLATE FOR BO20M120 ON 75 x 75 SQUARE
24	1	HS3090	A4	SPRING PLATE - NOT REQD ON NON FOLD M/C
25	2	SP3011	A4	SPRING - NOT REQD ON NON FOLD M/C
26	2	TA3123		BUSH - HARROW ARM
27	1	HK3610	A4	TENSION SPRING ARM
28	1	SP3012	A4	TENSION SPRING
29	3	SH10D		SHACKLE
30	1	CH8		CHAIN
31	1	HK3620	A4	LIFTING LUG
32	2	BO16M40		BOLT, M16 x 40mm HEX

See sheet 2 for assembly instructions

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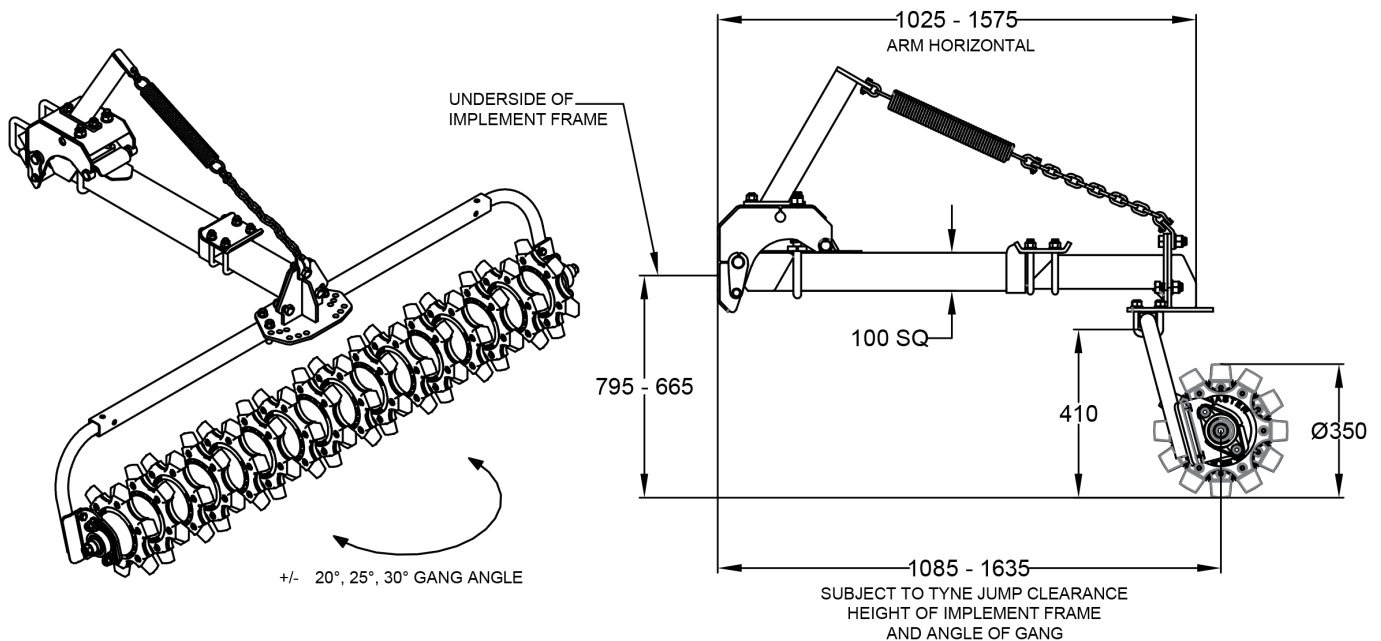
ASSY INSTRUCTIONS

HARROWS SHEET 1 OF 2



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ASSEMBLY INSTRUCTIONS



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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ASSY INSTRUCTIONS

HARROWS SHEET 2 OF 2



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ASSEMBLY INSTRUCTIONS

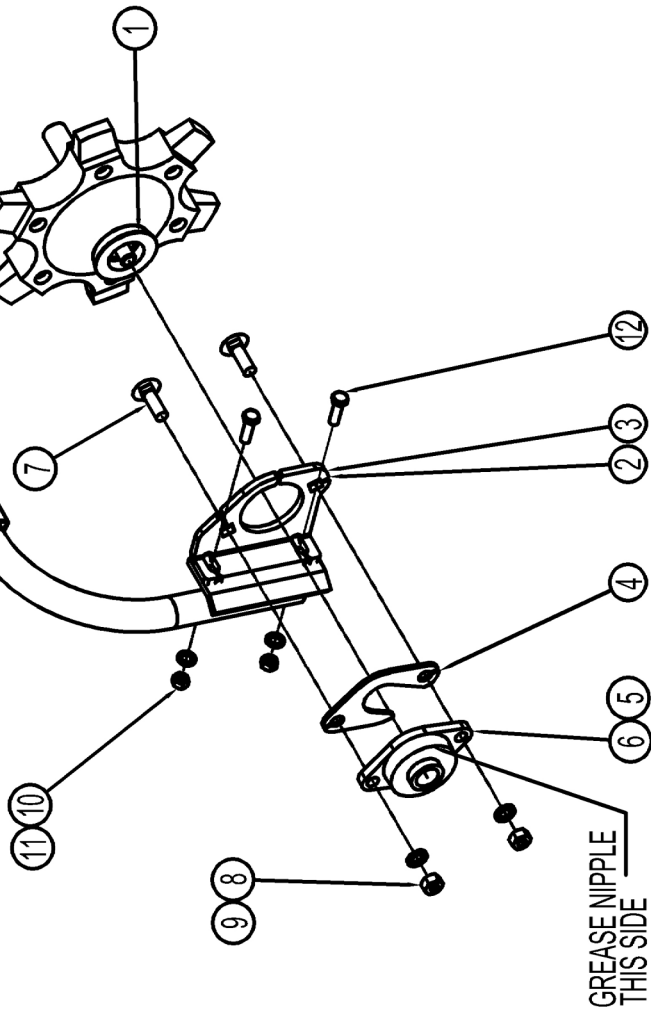
NOTE ITEMS 2 TO 9 INCL. ARE SUPPLIED AS TWO ASSEMBLIES

- 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.

RETENSION ALL BOLTS AFTER 8 hrs WORKING

EXISTING HARROW GANG

EXISTING GANG FRAME



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

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
REF	QTY	PART No	DRG SIZE	DESCRIPTION



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ASSY INSTRUCTIONS
HARROW BRG UPGRADE

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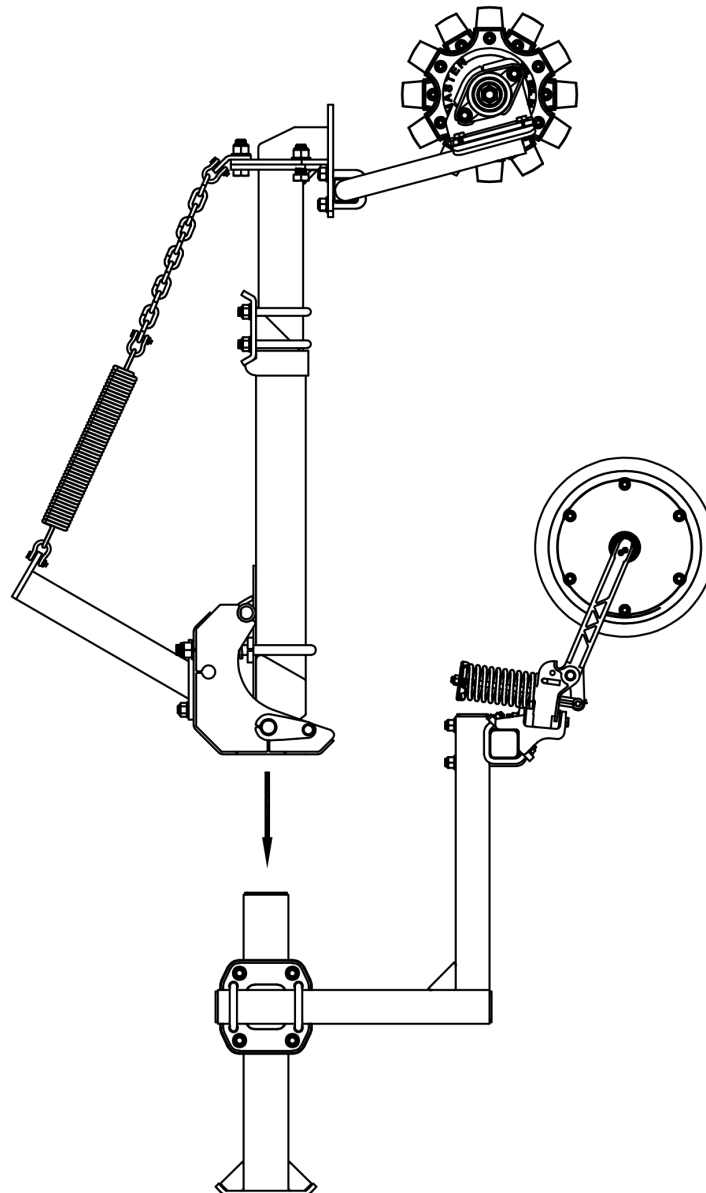
PRESSWHEELS & HARROWS IN COMBINATION PLEASE READ IN CONJUNCTION WITH AI1065

IF HARROWS ARE MOUNTED ALREADY

1. 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.
6. Remount harrow headstock to extension (13), level harrows if necessary.

IF MOUNTING WITH NEW HARROWS

1. 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".



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ASSY INSTRUCTIONS
PRESS WHEELS

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QUICK REFERENCE GUIDE

Individual Parts Only – Not Including Fasteners

Part No	Price ex GST	Page	Part No	Price ex GST	Page	Part No	Price ex GST	Page
BA5110	\$70.00	8	CL2495	\$25	39	HA3460	\$155.00	49
BA5120	\$70.00	8	CL2495HF	\$18.00	39	HA3500	\$75.00	49
BA5140	\$70.00	8	CL2496	\$28.00	39	HA3510	\$25.00	49
BA6200	\$95.00	22	CL2496HF	\$21.00	39	HA3520	\$5.50	49
BA6260	\$95.00	22	CL2844	\$25.00	17,35,39	HA3520X100	\$500.00	49
BE114FL	\$12.00	47,48	CL2845	\$25.00	17,35,39	HA3710	\$22.00	49
BE114UCR3	\$20.00	47,48	CL5240	\$50.00	8	HA3720	\$12.00	49
BE1228	\$2.00	59	CL6240	\$50.00	22	HA3740	\$1175.00	45
BE1237	\$3.00	59	FB2710	\$60.00	35	HA3750	\$1375.00	45
BE1740	\$4.00	60	FB2740	\$60.00	35	HC52T	\$5.00	17,35
BR2010	\$55.00	31	FB2810	\$5.00	17,35	HC2145	\$2.50	17,35
BR2030	\$55.00	31	FB2820	\$5.00	17,35	HK3610	\$68.00	47,48
BR2040	\$55.00	31	FB2834	\$48.00	17,35	HK3620	\$6.00	47,48
BR2050	\$55.00	31	FB2835	\$48.00	17,35	HL1100	\$20.00	29
BR2060	\$55.00	31	FB2840	\$90.00	17,35	HL1110	\$20.00	29
BR2070	\$55.00	31	FB2850	\$90.00	17,35	HL5600	\$25.00	9,12,16
BR2080	\$55.00	31	FB2870	\$30.00	17,35	HL5610	\$25.00	9,12,16
BR2090	\$55.00	31	FB2910	\$60.00	17	HL7710	\$30.00	24
BR2110	\$55.00	31	FB2940	\$60.00	17	HS3030	\$280.00	47
BR2160	\$100.00	44	FB5310	\$50.00	8,22	HS3040	\$28.00	47
BR2210	\$50.00	42	FB5350	\$100.00	23	HS3070	\$12.00	47
BR2220	\$50.00	42	FB6410	\$50.00	25	HS3080	\$18.00	47,56
BR2240	\$50.00	42	FBH2800	\$20.00	35	HS3090	\$10.00	47
BR2250	\$50.00	42	FBH2980	\$20.00	17	HSP3050	\$20.00	54,55
BR2260	\$50.00	42	FE4010	\$160.00	56	LA6180	\$65.00	22
BR5810	\$55.00	12	FE4015	\$310.00	56	LA6190	\$95.00	22
BR5840	\$55.00	12	FE4020	\$40.00	56	LF2510	\$15.00	13,37
BT2370	\$115.00	12,31,42	FE4030	\$250.00	56	LF2520	\$20.00	13,37
BT2380	\$115.00	12,31,42	HA3240	\$1325.00	45	LF2530	\$15.00	13,37
BT2390	\$160.00	12,31,42	HA3250	\$1525.00	45	LF2540	\$20.00	13,37
BT2398	\$10 p/set	12,31,42	HA3260	\$1725.00	45	LF2550	\$4.00	13,37
BT2399	\$22.00	12,31,42	HA3310	\$145.00	45	LF2570	\$5.00	13,37
BT2540	\$60.00	12,31,42	HA3340	\$200.00	47	LF2580	\$5.00	13,37
BT2550	\$60.00	12,31,42	HA3350	\$220.00	47	LF5420	\$10.00	8
BT5540	\$70.00	23	HA3360	\$240.00	47	LF5520	\$5.00	8,22
CA65	\$10.00	55,56	HA3370	\$85.00	47,48	LF5530	\$5.00	8
CF7160	\$125.00	25,53	HA3371	\$42.00	47,48	PC6S	\$2.00	13,37
CF7360	\$250.00	25	HA3372	\$6.00	47,48	PC10S	\$2.00	13,37
CF7560	\$250.00	25,53	HA3380	\$85.00	47,48	PI3MIN	\$1.20	57-59
CH8X500	\$10.00	47,48	HA3381	\$42.00	47,48	PIR41	\$2.00	9,12,16,22,61
CL2440	\$25.00	39	HA3390	\$25.00	49	PIR45	\$2.00	9,12,16,22,61
CL2474	\$25.00	39	HA3410	\$5.00	49	PT1120	\$65.00	30
CL2494	\$25.00	39	HA3440	\$135.00	49	PT1120R	\$65.00	30
CL2494HF	\$18.00	39	HA3450	\$145.00	49	PT1130	\$110.00	30

QUICK REFERENCE GUIDE

Individual Parts Only – Not Including Fasteners

Part No	Price ex GST	Page	Part No	Price ex GST	Page	Part No	Price ex GST	Page
PT1130R	\$110.00	30	PW4230	\$170	60	SP3012	\$30.00	47,48
PT1140	\$75.00	30	PW4240	\$170	60	SP3013	\$40.00	47,48
PT1150	\$90.00	30	PW4251	\$5.00	60	SP3701	\$155.00	49
PT1160	\$75.00	30	PW4265	\$4.00	57,58	SP4011	\$20.00	57-59
PT1160R	\$75.00	30	PW4266	\$5.00	57,58	SP4012	\$15.00	51,57-59
PT1170	\$100.00	30	PW4267	\$10.00	57	SW1210	\$30.00	36
PT1190	\$100.00	30	PW4275	\$3.00	57	SW1220	\$30.00	36
PT1190R	\$100.00	30	PW4276	\$5.00	57,58	SW1270	\$30.00	36
PT1320	\$65.00	43	PW4290	\$80.00	57	SW5270	\$145.00	8
PT1560	\$125.00	44	PW4300	\$110.00	60	SW5280	\$145.00	8
PT1560R	\$125.00	44	PW4310	\$90.00	60	SW5290	\$155.00	8
PT1580R	\$100.00	38	PW4320	\$90.00	60	SW6270	\$145.00	22
PT1810	\$70.00	42	PW4330	\$90.00	60	SW6280	\$145.00	22
PT1820	\$70.00	42	PW4340	\$110.00	60	SW6290	\$155.00	22
PT1830	\$70.00	42	PW4350	\$40.00	60	TA3120	\$320.00	47
PT1840	\$70.00	42	PW4360	\$30.00	60	TA3130	\$130.00	47
PT1850	\$70.00	42	PW4370	\$10.00	60	TG1170	\$25.00	36
PT1860	\$70.00	42	PW4380	\$3.00	60	TG1173	\$5.00	36,62
PT1865	\$85.00	42	PW4390	\$5.00	60	TG1175	\$5.00	36,62
PT1890	\$105.00	42	PW4405	\$90.00	59	TG5730	\$24.00	18
PT1930	\$50.00	38,42	PW4415	\$5.00	59	TG5750	\$24.00	18
PT1940	\$60.00	38	PW4420	\$90.00	59	TSP	\$1.50	29,61
PT1962	\$80.00	38	PW4440	\$20.00	51,60	UB2005	\$4.00	62
PT1963	\$95.00	38	PW4450	\$50.00	59	UB5620	\$4.00	62
PT1964	\$100.00	38	PW4460	\$0.60	59	XTA3123	\$6.00	47,48
PT5040	\$75.00	25	PW4470	\$0.90	59			
PT5050	\$100.00	25	PW4480	\$3.00	59			
PT5060	\$75.00	23	PW4500	\$70.00	59			
PT5070	\$100.00	23	PW4550	\$8.00	58,59			
PT5640	\$85.00	9,12,16	PW4560	\$20.00	58,59			
PT5650	\$110.00	9,12,16	PW4570	\$2.00	58,59			
PT5660	\$85.00	9,12,16	PW4580	\$5.00	57-59			
PT5670	\$110.00	9,12,16	PW4590	\$4.00	57-59			
PT6040	\$75.00	25	PWR4285	\$6.00	58			
PT6050	\$100.00	25	PWS57	\$2.00	58,59			
PT6640	\$80.00	22	SC825	\$0.20	60			
PT6650	\$105.00	22	SE36P6641	\$6.00	60			
PT6710	\$130.00	22	SE6PR6518	\$5.00	60			
PT6720	\$90.00	22	SH10D	\$2.50	47,48			
PT7760	\$95.00	24	SL5340	\$115.00	25			
PW4000	\$270.00	59	SL5350	\$115.00	23			
PW4200	\$190.00	60	SP2880	\$10	16,35			
PW4210	\$170.00	60	SP3011	\$5	47			
PW4220	\$170.00	60						