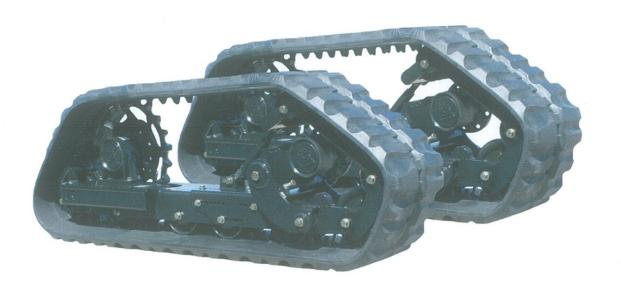


# 86+ VTS

Versatile Track System



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# **ADDITIONAL NOTES**

#### VTS 50+

The 50+ VTS systems are the compact assemblies for the small skid steers that have a horse power range of 50 to 60 horse power. These VTS only come with a 12" or 15" wide track. The 50+ undercarriages are made of lighter gauge steel and cannot be used on the heavier higher horse power 65+ and 86+ machines.

- 65+ VTS The 65+ VTS systems are Heavier assemblies for the large skid steers that have a horse power range of 65 to 85 horse power. These VTS only come with 18" wide tracks. The 65+ undercarriages are made of heavier gauge steel than the 50+ undercarriages.
- 86+ VTS The 86+ VTS systems have the same style undercarriage as the 65+, however, this undercarriage system has 4 bogey wheels instead of 3 and it also has 4 split bogey wheels instead of 2. The 86+ VTS systems only get 18" wide tracks, and will not fit on the 65+ horse power machines.

# REPLACING BEARINGS AND SEALS ON VTS

COMPONENT PARTS ARE AVAILABLE TO REBUILD HUBS, BOGEYS, SPLITS BOGEYS, TENSION ROLLERS AND IDLERS FROM SERIAL NUMBER 33206 TO CURRENT. COMPONENT PARTS ARE NOT AVAILABLE TO REBUILD HUBS, BOGEYS, SPLITS BOGEYS, TENSION ROLLERS AND IDLERS FROM SERIAL NUMBER 20000 TO 33205. WHEN REPLACING ROLLERS WITH THE METAL FACE SEALS CONTACT THE FACTORY FOR SPECIAL HANDLING INSTRUCTIONS.

# **IMPORTANT**

WHEN MOUNTING THE VTS TO THE MACHINE THE LUG NUTS NEED TO BE TORQUED AT 190 FT/LBS DO NOT TORQUE TO THE TIRE TORQUE RATING.

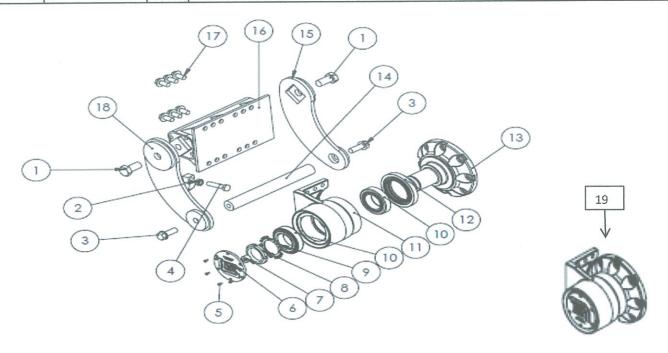


## **VTS 86+ RH FRONT HUB ASSEMBLY**

### FOR ALL VTS 86+ MODELS

REV.050914

REF:NO.	PART NUMBER	QTY	DESCRIPTION			
				TOPOLIE AT	750 FT/LBS - CR	ITICAL
1	400665	2	BOLT, 1-14UNC X 2.00" GRD. 8 PLATED	TORQUE AT	/50 F1/LB5 - CR	ITICAL
2	PH0190-5CP	1	NUT 5/8"-11UNC GRD. 8 JAM NUT			
3	PD5210-2CP	2	BOLT, FLANGE 3/4"-10UNC X 2.0" GRD. 8 PLATED	TORQUE AT	376 FT/LBS	
4	PD0190-3CP	1	BOLT 5/8'-11 NC X 3.0" GRD. 8 PLATED FI THRD.			
5	400518	6	SCREW,CAP 10-24 X .375		-	
6	400513	1	COVER, DUST			
7	400656	1	SOCKET PIPE PLUG 3/4 X 3/4			
8	400350	1	NUT, LOCK			
9	401447	1	WASHER,LOCK			
10	401398	2	BEARING , TAPERED ROLLER			
11	NSS	1	ASSY., FRONT HUB BRACKET W/ RUBBER INJECTION			
12	401132	1	SEAL, SPINDLE			
13	401124	1	SPINDLE, WHEEL-FRONT			
14	400297	1	SHAFT, SUSPENSION			
15	500055	1	TORSION ARM, LEFT			
16	500057	1	TORSION TUBE			
17	PD5190-1.25CP	6	BOLT, FLANGE, 5/8"-11UNC X 1.25" GRD. 8 PLATED	TORQUE AT	211 FT/LBS	
18	500203	1	TORSION ARM, RIGHT W/STOP			
19	600459	1	ASSY., FRONT RIGHT HUB			



**IMPORTANT NOTE:** 

All hubs that are on 86+ VTS units with a serial number of 33206 or higher can be rebuilt and parts are available. VTS units with a serial number of 33025 or less will have to order new hubs, parts are not available. Reference contents page for additional notes

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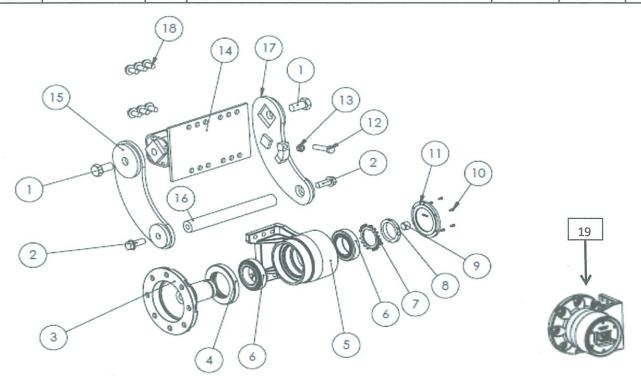


## **VTS 86+ LH FRONT HUB ASSEMBLY**

### **FOR ALL VTS 86+ MODELS**

REV.050914

REF:NO.	PART NUMBER	QTY	DESCRIPTION			
1	400665	2	BOLT, 1-14UNC X 2.00" GRD. 8 PLATED	TORQUE AT	750 FT/LBS -	CRITICAL
2	PD5210-2CP	2	BOLT, FLANGE 3/4"-10UNC X 2.00" GRD. 8 PLATED	TORQUE AT	376 FT/LBS	
3	401124	1	SPINDLE, WHEEL FRONT			
4	401132	1	SEAL, SPINDLE			
5	NSS	1	ASSY., FRONT HUB BRACKET W/RUBBER INJECTION			
6	401398	2	BEARING, TAPERED ROLLER			
7	401447	1	WASHER, LOCK			
8	400350	1	NUT, LOCK			
9	400656	1	SOCKET PIPE PLUG 3/4 X 3/4			
10	400518	6	SCREW, CAP 10-24 X .375			
11	400513	1	COVER, DUST			
12	PD0190-3CP	1	BOLT 5/8"-11NC X 3.00" GRD. 8 PLATED FI THRD			
13	PH0190-5CP	1	NUT 5/8-11UNC GRD. 8 JAM NUT			
14	500057	1	TORSION TUBE			
15	500054	1	TORSION ARM			
16	400297	1	SHAFT, SUSPENSION			
17	500204	1	TORSION ARM, LEFT WSTOP			
18	PD5190-1.25CP	6	BOLT, FLANGE 5/8"-11UNC X 1.25" GRD. 8 PLATED	TORQUE AT	211 FT/LBS	
19	600460	1	ASSY., FRONT LEFT HUB			



**IMPORTANT NOTE:** 

All hubs that are on 86+ VTS units with a serial number of 33206 or higher can be rebuilt and parts are available. VTS units with a serial number of 33205 or less will have to order new hubs, parts are not available.

Reference contents page for additional notes.

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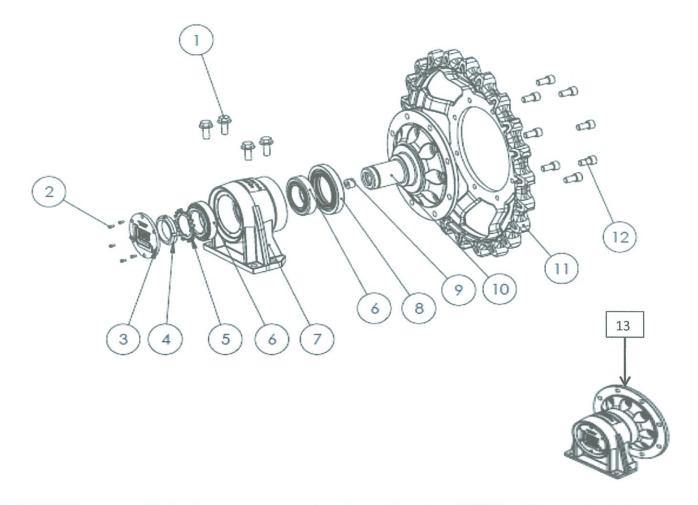
## **VTS 86+ REAR HUB ASSEMBLY**



### **FOR ALL VTS 86+ MODELS**

REV.050914

REF:NO.	PART NUMBER	QTY	DESCRIPTION	
1	PD5190-1.5CP	4	BOLT, FLANGE 5/8"-11UNC X 1.5" GRD. 8 PLATED	TORQUE AT 211 FT/LBS
2	400518	6	SCREW, CAP 10-24 X .375	
3	400513	1	COVER, DUST	
4	400350	1	NUT, LOCK	
5	401447	1	WASHER, LOCK	
6	401398	2	BEARING, TAPERED ROLLER	
7	NSS	1	ASSY., REAR HUB BRACKET W/INJECTED RUBBER	
8	401132	1	SEAL, SPINDLE	
9	400656	1	SOCKET PIPE PLUG 3/4 X 3/4	
10	401125	1	SPINDLE, WHEEL-REAR	
11	400914	1	SPROCKET, 22 TOOTH	
12	401075	8	SCREW, CAP 5/8-11UNC X 1.25" GRD. 8 PLATED	TORQUE AT 211 FT/LBS
13	600461	1	ASSY., REAR HUB	



**IMPORTANT NOTE:** 

All hubs that are on 86+ VTS units with a serial number of 33206 or higher can be rebuilt and parts are available. VTS units with a serial number of 33205 or less, will have to order new hubs, parts are not available. Reference contents page for additional notes.



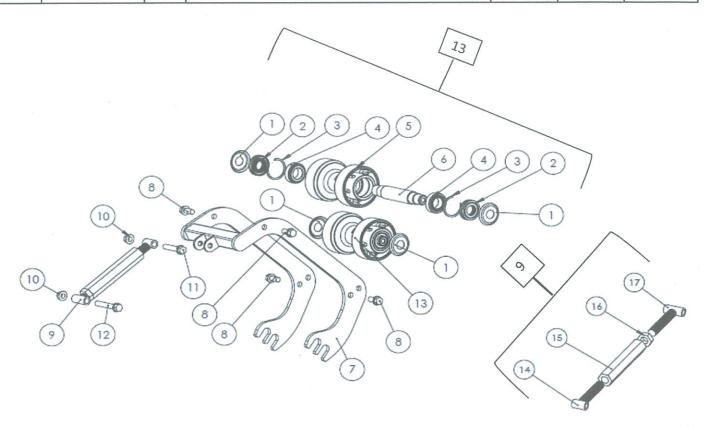


## **VTS 86+ TENSION ARM ASSEMBLY**

### **FOR ALL VTS 86+ MODELS**

REV.050914

REF:NO.	PART NUMBER	QTY	DESCRIPTION		
1	401118	4	COVER, DUST		
2	401122	2	SEAL, IDLER/ROLLER		
3	401524	2	SNAP RING		
4	401109	2	BEARING, TAPERED ROLLER		
5	NSS	1	ROLLER, TENSION		
6	401117	1	SHAFT, TENSION		
7	500514	1	TENSION ARM		
8	PD5210-1.5CP	4	BOLT, FLANGE, 3/4"-10UNC X 1.50" GRD. 8 PLATED	TORQUE AT 376 FT/LBS	
9	601209	1	TURNBUCKLE ASSY.		
10	PH5210-4CP	2	NUT, FLANGE, LOCK 3/4"-10UNC GRD. 8 PLATED		
11	PD5210-3.5CP	1	BOLT, FLANGE, 3/4"-10UNC X 3.50" GRD. 8 PLATED	TORQUE AT 376 FT/LBS	
12	PD5210-4.5CP	1	BOLT 3/4"-10UNC X 4.50" GRD. 8 PLATED	TORQUE AT 376 FT/LBS	
13	600456	2	ASSY., TENSION ROLLER		
14	500423	1	TENSION ROD		
15	401718	1	SHAFT		
16	401310	1	NUT 1 1/4-7UNC		
17	601210	1	TENSION ROD		



**IMPORTANT NOTE:** 

All rollers that are on 86+ VTS units with a serial number of 33206 or higher can be rebuilt and parts are available. VTS units with a serial number of 33205 or less will have to order new rollers, parts are not available. Reference contents page for additional notes.



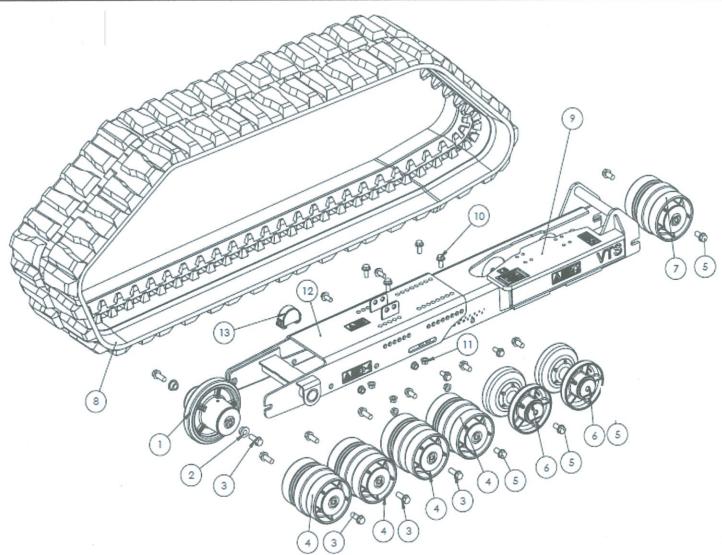
## **VTS 86 + TUNNEL ASSEMBLY**



FOR ALL VTS 86+ MODELS (LH SHOWN)

REV.050914

REF:NO.	PART NUMBER	QTY	DESCRIPTION		
1	601475	1	FRONT IDLER		
2	402169	2	BUSHING 1" OD X .781" ID		
3	PD5210-2CP	8	BOLT, FLANGE, 3/4"-10UNC X 2.0" GRD. 8 PLATED	TORQUE AT 376 FT/LB	
4	601462	4	ASSEMBLY, BOGEY	`	
5	PD5210-1.5CP	8	BOLT, FLANGE, 3/4"-10UNC X 1.5" GRD. 8 PLATED	TORQUE AT 376 FT/LB	
6	601816	4	SPLIT BOGEY		
7	601493	1	REAR IDLER		
8	401348	1	TRACK, RUBBER 63 LINK, 18" WIDE		
9	500429	1	LEFT REAR TUNNEL (SHOWN)		
9	500431	1	RIGHT REAR TUNNEL		
10	PD5190-1.5CP	8	BOLT, FLANGE, 5/8"-11UNC X 1.5" GRD. 8 PLATED	TORQUE AT 211 FT/LBS	
11	PH5190-4CP	8	FLANGE LOCK NUT 5/8" -11 GRD 8 PLATED		
12	500284	1	LEFT FRONT TUNNEL (SHOWN)		
12	500283	1	RIGHT FRONT TUNNEL		
13	600544	1	DOWN STOP ASSY.		



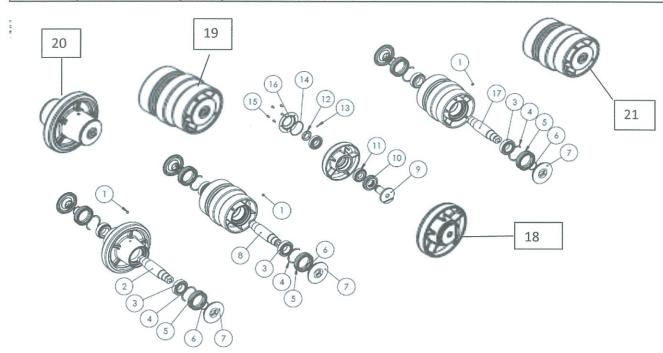


## **VTS 86+ TUNNEL IDLER AND BOGIE ASSEMBLY**

### **FOR ALL VTS 86+ MODELS**

REV.050914

IUMBER QT	DESCRIPTION
	DESCRIPTION
2546 3	SOCKET PIPE PLUG 1/8-27 NPT
2320 1	SHAFT, IDLER
1109 6	BEARING, TAPERED ROLLER
1524 6	SNAP RING
2179 6	SEAL, 73MM, DUAL CONE
2210 6	O-RING, ID 38.7MM, CROSS SECTION 3.55MM
2209 6	RETAINER, SEAL
2332 1	SHAFT, BOGIE
2522 1	SHAFT, SPLIT BOGIE
1122 1	SEAL, IDLER/ROLLER
1149 2	BEARING, TAPERED ROLLER
0736 1	NUT, LOCK
1078 1	SET SCREW FOR THE LOCK NUT TORQUE AT 30 FT-LBS
2041 1	O-RING
0603 5	SCREW, CAP, BUTTON HD. 1/4"-20 X .50"
2042 1	COVER, CAST-SPLIT BOGEY
2321 1	SHAFT FOR REAR IDLER
1816 4	SPLIT BOGEY
1462 4	BOGEY
1475 1	IDLER FRONT
1493	REAR IDLER
	2320 1 1109 6 1524 6 2179 6 2210 6 2209 6 2332 1 1122 1 1149 2 0736 1 1078 1 2041 1 0603 5 2042 1 1816 4 1462 4 1475 1



**IMPORTANT NOTE:** 

IDLER, BOGEY AND SPLIT BOGEY CASTINGS ARE NSS. All rollers that have a serial number of 33206 or higher can be rebuilt. VTS units with a serial number of 33205 or less will have to order new bogeys, split bogeys and idlers. Reference contents page for additional notes.