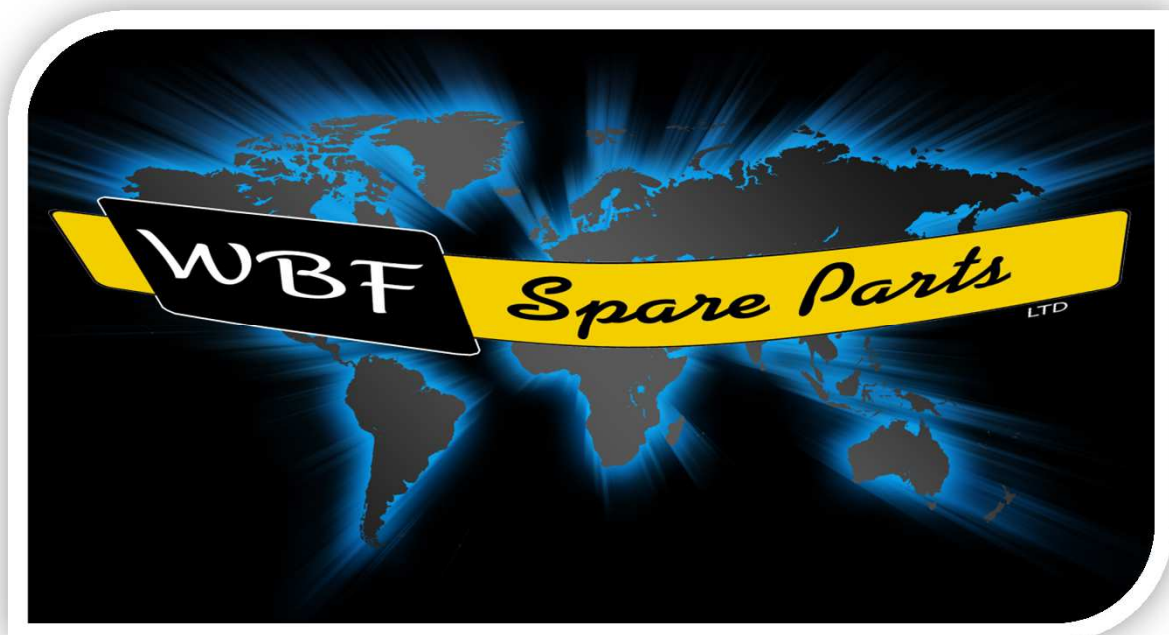


G.E.T.

Heavy Duty Equipments





WBF

Highlights

Quality

Service

Price

Wbf Replacement Parts

adaptable to

- > Caterpillar®
- > Komatsu®
- > Hitachi®
- > New Holland®
- > Volvo®

TIPS - Series J

	J200	J225	J250	J300	J350	J400	J450/J460	J550	J600	J700
Long	1U3202	6Y3222	1U3252	1U3302	1U3352	7T3402	9W8452	9W8552	6I6602	4T4702
Short		6Y6221	1U3251	1U3301	1U3351	7T3401	9W8451	9W8551	6I6601	
Light Duty Long	1959209		1681253	1681301	1681351	1681401	1681451			
Wide	1099200	1863010	2085254	1073300	1073350	1073400	1073450	1073550		
Penetration	1U3209	6Y8229	9J4259	9J4309	9J4359	6Y7409	9W8459	9W8559	7I7609	4T4709
Penetration Long Life				1258309	1199359	1247409	1167459	1130559	1199609	
Penetration Plus				1835300	1681359	1681409	1590459	1590559	1590607	1711709
Sharp Corner	9W8208	6Y7228	9W8258	9W8308	9W2358	6Y5408	6I8458	6I8558	1078608	
Sharp Center	9W8209	6Y7229	9W8259	9W8309	9W2359	6Y5409	7T8459	9W6559	1078609	
Twin Sharp	1358208	1358228	1358258	1359308	1359357	1359408	1386458	2227553	2227603	
Long Sharp				1681300	1681350	1590400	1590450	1590550	1590600	1368700
Heavy Duty Long		8E4222	9N4252	9N4302	9N4352	8E4402	9N4452	9N4552	7Y0602	9U9702
Heavy Duty Long Life			1358252	1258302	1359352	1167402	1019054	1019055	1078602	1072001
Heavy Duty Abrasion		6Y6223	9N4253	9N4303	9N4353	7T3403	9N4453	6Y2553	6I6603	9U9703
Heavy Duty Penetration				1359300	1441358	1359400	1386451	1386552	1359600	1359700



Penetration Long Life Tip

- Increases wear life
- Enhances penetration due to self-sharpening tip
- Includes ARM strips



Long Tip

- General duty in low-abrasion applications



Short Tip

- Provides more strength
- Use to prevent breakage



Sharp Corner Tip/Sharp Center Tip

- Provides the best penetration
- Contains the least wear material



Twin Sharp Tip

- For use for severe digging in rock and frost
- Use in combination with sharp tips



Long Sharp Tip

- Provides more wear material than standard sharp tip
- For use when penetration is the primary concern

Heavy Duty Long Life Tip

- Contains ARM which is positioned to increase wear life and penetration
- Not for use in extreme impact applications



Wide Tip

- Provides less penetration
- Provides a cleaner floor and less spillage



Penetration Tip

- Provides better penetration
- Contains less wear material



Penetration Plus Tip

- Provides a good combination of strength and wear life
- For use where penetration and increased wear life are desired
- For use in most jobs



Heavy Duty Long Tip

- Provides more wear material and greater strength than long tip
- Has a streamlined-profile for better penetration



Heavy Duty Abrasion Tip

- Contains greater wear material
- Not for use in high impact applications



Light Duty Long Tip

- For use in low impact with low to medium abrasiveness
- Self-sharpening design and symmetrical shape

Pins - Serie J

	J200	J225	J250	J300	J350	J400	J450/J460	J550	J600	J700
Standard Pin	8E6208									
Standard Retainer	8E6209									
Heavy Duty Pin		1324762	1324763	1324766	1140358	1167408	1140468	1073378	1139608	1134708
Heavy Duty Retainer Assembly		1495733	1495733	1495733	1140359	1167409	1073469	1078559	1139609	1134709



Bucket Tips Front

Description	J200	J225
Heavy Duty Abrasion		6Y6223
Heavy Duty Long		8E4222
Long	1U3202	6Y3222
Penetration	1U3209	6Y8229
Short		6Y6221
Light Duty Long	1959209	
Unitooth Center	8J6207	
Bolts	5J4771	
Unitooth Corner (sx)	1U1868	
Unitooth Corner (dx)	1U1869	
Unitooth Corner	1U1868	
Standard Pin	8E6208	6Y3228
Standard Retainer	8E6209	8E6259
Heavy Duty Pin		1324762
Heavy Duty Retainer Assembly		1495733



Bucket Tips Rear

Description	J200	J225	DRS200
D.R.S. Chisel			1957202
Heavy Duty Abrasion		6Y6223	
Heavy Duty Long		8E4222	
D.R.S. Impact			1957205
Long	1U3202	6Y3222	1957206
Penetration	1U3209	6Y8229	
D.R.S. Sharp			1957209
Sharp Corner	9W8209	6Y7229	
Sharp Center	9W8208	6Y7228	
Short		6Y6221	
Twin Sharp	1358208		1957207
Light Duty Long	1959209		
D.R.S. Wide	1099200		1957210
Standard Pin	8E6208	6Y3228	
Standard Retainer	8E6209	8E6259	
Heavy Duty Pin		1324762	
Heavy Duty Retainer Assembly		1495733	
Pin			1957200

Large Rippers

Machine	Centerline			Penetration			ARM Penetration Intermediate
	Long	Intermediate	Short	Long	Intermediate	Short	
D8L, D8, D8N D8R, D8K, D8T	1140453	9W2452	9W2451		4T5452	4T5451	8E5771
D9, D9N, D9H, D9R (MS), D9T (MS)	1140453	9W2452	9W2451		4T5452	4T5451	8E5771
D9L, D9R (SS), D9T (SS)	8E8503	4T4502	4T4501	4T5503	4T5502	4T5501	8E5772
D10, D10N, D10R D10T	8E8503	4T4502	4T4501	4T5503	4T5502	4T5501	8E5772
D11 (MS)	8E8503	4T4502	4T4501	4T5503	4T5502	4T5501	8E5772
D11 (SS)		9W4552	9W4551		6Y3552		1359552



Centerline Ripper Tips

- Offers good penetration and more wear material
- Can be flipped for maximum performance



ARM Ripper Tips

- Offers increased wear life, and enhanced penetration and productivity
- ARM Ripper Tips should not be used in severe impact conditions



Penetration Ripper Tips

- Offer better initial penetration
- Penetration tips should be installed with the rib up



Sharp Tips

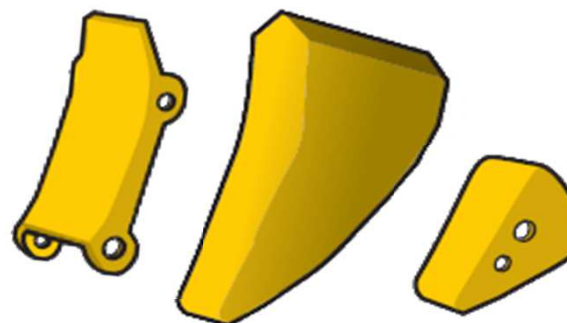
- Enhanced initial penetration in hard to penetrate materials like limestone and caliche applications

Shank Protectors and Pins/Retainers

Machine	Shank Protector			Counterbored Ripper Shank				Non-Counterbored Pin Assy.
				Non-Reusable		Reusable		
	Standard	Sharp	Extended	Pin	Ret. Assy.	Pin	Retainer	
D8, D8N, D8R, D8L	6J8814	8E1848	1324716			6Y3394	8E4743	4T2479 6J8814
D9, D9N, D9R, D9H	6J8814	8E1848	1324716			6Y3394	8E4743	4T2479 6J8814
D9L (1 pin protector)		6Y9704						1029062
D9L (2 pin protector) D9R (SS), D9T (SS)		9W8365	1321014	6Y1204	6Y1202	6Y3909	4T4707	1029062
D10, D10R (SS), D10T (SS), D10T (MS)		6Y8960	1321015	6Y1204	6Y1202	6Y3909	4T4707	1029062
D10R (MS), D10N		9W8365	1321014	6Y1204	6Y1202	6Y3909	4T4707	1029062
D11 (MS)		6Y8960	1321015	6Y1204	6Y1202	6Y3909	4T4707	1029062
D11 (SS)		9N4621	1321016	9N4245	6Y1205	8E2229	8E2230	6Y2443
D10 (1 pin protector)	3G9514	6Y9704						1029062

Shank Repairs/Conversion Parts

Machine	Adapter	Nose
D8L, D8, D8N, D8R, D8K	8E8418	9U9694
D9, D9N, D9R, D9H	8E8418	9U9694
D9L (1 pin protector)	1U3630	1038114
D9L, D9R HD (2 pin protector)	1038115	1073361
D10 (1 pin protector)	1U3630	1038114
D10 (2 pin protector)	1038115	1073361
D11 (MS) (1 pin protector)	1U3630	1038114
D11 (MS) (2 pin protector)	1038115	1073361
D11 (SS)	1049279	



Sharp Ripper Tips

Machine	Centerline Long	Penetration Long	Sharp	Pin	Retainer
3, 931, 933, 939, D4C, D5C 135H, 120H	1U-3202	1U-3209	9W-8209	8E-6208	8E-6209
4, 963, 955, 951, 941, 12, 14, 130, 140, 143H, 160H, 163, D5M, D5N	6Y-0352	6Y-0309	9W-7309	136-8308	114-0359
943, 953, D3G, D4G, D5G		9J-4259	9W-8259	132-4763	149-5733
5, 6, 963, 973, 977, 983, 7, 16, 24H, D6M, D6N, D6R, D7R	6Y-0352	6Y-0359		114-0358	114-0359

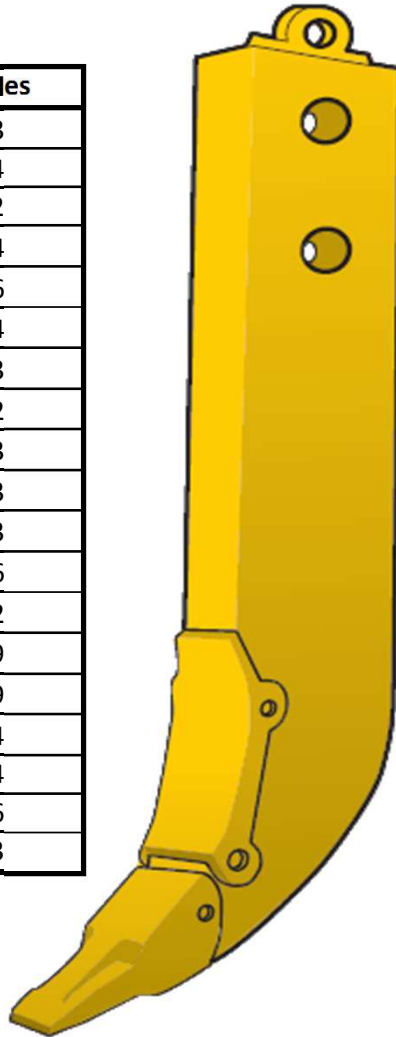


Replacement Parts for Scarifiers

Components	V-Block (Rear Notched)	V-Block (Front Notched)	Straight Block (Rear Notched)	No. 6 (Non-Current)
Standard		195-7218	195-7219	
High Abrasion (ARM)	143-3074	143-3074	143-3074	143-3074

Ripper Shanks As.

Machine	Part No.	Holes
D11	1049275	3
D11	1049277	4
D10	1059691	2
D8, D9	1073485	4
D8, D9	1073486	6
D8, D9	1073486	4
D10	1093135	3
D9, D10	1099075	2
D9	1099114	3
D9	1144503	3
D10	1182140	3
D10	1285523	6
D10, D11	1324699	2
D11	4Z5346	9
D11	4Z8814	9
D11	4Z8849	4
D9, D10	4Z8937	4
D11	4Z9196	6
D11	4Z9312	3



Machine	Part No.	Holes
D11	4Z9314	2
D7	7J2459	2
D9	7J2514	4
D8	7J2515	4
D9	8E5339	3
D8	8E5340	3
D8, D9	8E5341	2
D8	8E5342	3
D9	8E5345	2
D8, D9	8E5346	2
D8	8E5347	3
D9	8E5348	3
D10	8E8411	3
D10, D11	8E8412	4
D10, D11	8E8413	2
D9, D10	8E8414	3
D9, D10	8E8415	2
D9, D10	8E8416	3
D10	8E8417	3

Loader Side Pin Teeth

Tip	Pin	Adapter-on 3 Holes	Weld-On Flush Mount	Two Strap	Machine
207-70-14151	175-78-21810	142-70-12230			D66 S-1
415-847-1110	201-70-00150	415-847-1120			WA 70-1
201-70-24140	201-70-00150	417-847-1140			WA 100-1, WA 120-1, WA 150-1
20X-70-14160	20X-70-00100	418-847-1120			WA 180-1, WA 200-1, WA 250-1
202-70-12130	09244-02496	419-847-1111			WA 300-1, WA 320-1
423-847-1140	175-78-21810	423-847-1111		419-847-1210	WA 350-1
423-847-1140	175-78-21810	423-847-1111		423-847-1211	WA 380-1, WA 400-1, WA 420-1, WA 450-1, WA 470-1
426-847-1110	09244-03036	425-847-1191	426-847-1121	426-847-1121	WA 500-1
426-847-1110	09244-03036	426-847-1141	426-847-1121		WA 600-1
427-70-13731	427-70-13770		427-70-13742		WA 700-1
427-842-1120	427-70-13790		427-70-13742		WA 800-2



Loader Bolt-on Monoblock Teeth

Tip	Bolt	Nut	Machine
10E-70-22211	02090-11065	09218-11614	WA-20-1, WA-30-2
20T-70-13130	02090-11060	02205-11015	WA-40-1
113-70-22140	09208-11965	09218-11916	WA-60-1, WA-60-2
415-70-13110 415-70-13111	09208-11965	09218-11916	WA-70-1
417-70-13250 417-70-13251	09208-11965	09218-11916	WA-100-1, WA-120-1, WA-150-1
418-70-13160	423-70-13180	02290-11422	WA-180-1, WA-200-1, WA-250-1
419-70-13114	09208-12290	09218-12219	WA-300-1, WA-320-1, WA-350-1, WA-380-1, WA-400-1, WA-420-1, WA-460-1, WA-470-1
425-70-13212	02091-11610	02290-11625	WA-500-1



Tip	Bolt	Bolt	Nut	Machine
103-70-22140		113-70-22160	113-70-22270	D20, D215-5, 6, D21Q-5, 6
113-70-22140		09208-11965	09218-11916	D31S-17, 18
125-70-21810	125-70-21640		145-70-44130	D31Q-17, 18
135-70-34110	135-70-34120		135-7034130	D50S-16, D53S-16, 17, D57S-1, D75S-1
135-70-13411	02090-11270 (D) 154-70-11143 (T)			D50S-15, D55S-3, D53S-15
145-70-19181		09208-02280 (D) 09208-02205 (T)	09218-02219	D60, D65S-7,8
145-70-44110 145-70-44181	09208-12290		09218-12219	D66S-1, D75S-3,5
155-70-14112		155-70-14222	09218-12723	D95S-1
178-70-14110		09208-13314	09218-13329	D155S-1



Side Pin Teeth and Adapters



Standard	Pin	Long Tooth	Corner Tooth	Adapter	Model
205-70-19570	09244-02496	20Y-70-K4060	20Y-70-K4150	205-70-68141 205-939-7120	PC100, PC100L-5, PC120-5, PC130, PC200LC-5, PW210-1
207-70-14151	175-78-21810	20Y-70-K4070	20Y-70-K4160	207-70-14142 207-939-3120	PC220, PC220LC-5, PC240LC-NLC, PC280LC-3, PC290 LC/NLC, PC300, PC300LC-5, PC340 LC/NLC, PC360LC-3, PC-380 LC
208-70-14152	09244-03036	208-70-K1340	208-70-K1490	208-70-14143	PC400, PC400LC-5, PC450, PC450LC
209-70-54720	209-70-54240	209-70-54730		209-70-74140	PC650, PC650LC-3, PC650SE, PC750, PC750SE
21N-72-14290	21N-72-14331			21N-70-14140	PC-1000LC-1, PC1000SE-1, PC-1100SP, PC-1200
21T-72-74311	21T-72-74320			21T-70-74160	PC-1600, PC-1600-1

Shank Groups

Machine	Shank Reference	Type	Protector	Pin (Q.ty 2)	Adapter	Holes	Fig.	Ripper Teeth	Quality	Pin
D40/D45 D40/D41 D50/D53-16 D50/D53-17 D66S	131-78-61180 131-78-00142	-	-	-	-	3	1	131-78-31190	STD	09244-02496
D60/D65-7 D60/D65-8 D65-12 D75A-1 D75S-3 D75S-5 D85E-SS-2A	141-78-11241 141-78-00081	-	-	-	154-78-14340 175-78-21612	2	2 3 4	141-78-11330 141-78-11253 141-78-11254	STD	09244-02508
D85-18 D85-21 D135A-1 D135A-2 D150A-1 D155A-1 D155A-2 D155AX-3	154-78-14344 175-78-21613 175-78-21615	-	195-78-21320 195-78-21580	09244-02508	195-78-14350	2 2 2	3 3 4 4 4 4 4	175-78-31230 175-78-31232 175-78-31293 175-78-61660 175-78-61670 175-78-34131 175-78-34141	STD HD STD HD HD - -	09244-02508

Shank Groups

Machine	Shank Reference	Type	Protector	Pin (Q.ty 2)	Adapter	Holes	Fig.	Ripper Teeth	Quality	Pin
D275A-2 D355A-3 D455A-1	195-79-31141 195-78-41191	SS MS	195-78-21320 195-78-21580	09244-02508	198-79-11620	4 2	2 3 3 4 4 4 4	17M-78-21350 195-78-21331 195-78-21333 195-78-71440 195-78-71450 195-78-29130 195-78-29140	STD HD STD HD - - -	09244-02508
D375A-1	195-78-71120	-	195-78-71111	09244-02508	195-78-71380	-	3 3 4 4	195-78-71140 195-78-71240 195-78-71250 195-78-71260	STD HD STD HD	09244-02508
D375A-1 D375A-2	195-79-51110	-	195-78-72410	09244-03036	195-78-71380	-	2 3 3 3 3 4 4	195-78-71420 195-78-71320 195-78-71330 195-78-71370 195-78-71390 195-78-71440 195-78-71450	STD STD HD STD HD STD HD	195-78-71360
D455A-1	198-79-11630 198-78-11241	SS MS	198-79-11220 198-79-11641	09244-03036	-	5 2	3 3	198-79-11560 198-79-11551	STD HD	09244-03036

Shank Groups

Machine	Shank Reference	Type	Protector	Pin (Q.ty 2)	Adapter	Holes	Fig.	Ripper Teeth	Quality	Pin
D475A-1 D475A-2	-	.	198-78-21330	09244-03036	198-78-21430	-	3 3 2 4	198-78-21340 198-78-21350 198-78-21420 198-78-21380	STD HD STD HD	09244-03036 (A1) 198-78-21410 (A2)
D575A-2	-	-	-	-	-	-	-	19M-78-11341 19M-78-11450 19M-78-11510 19M-78-11450 19M-78-11520	HD STD HD HD STD	19M-78-11370



Fig.1



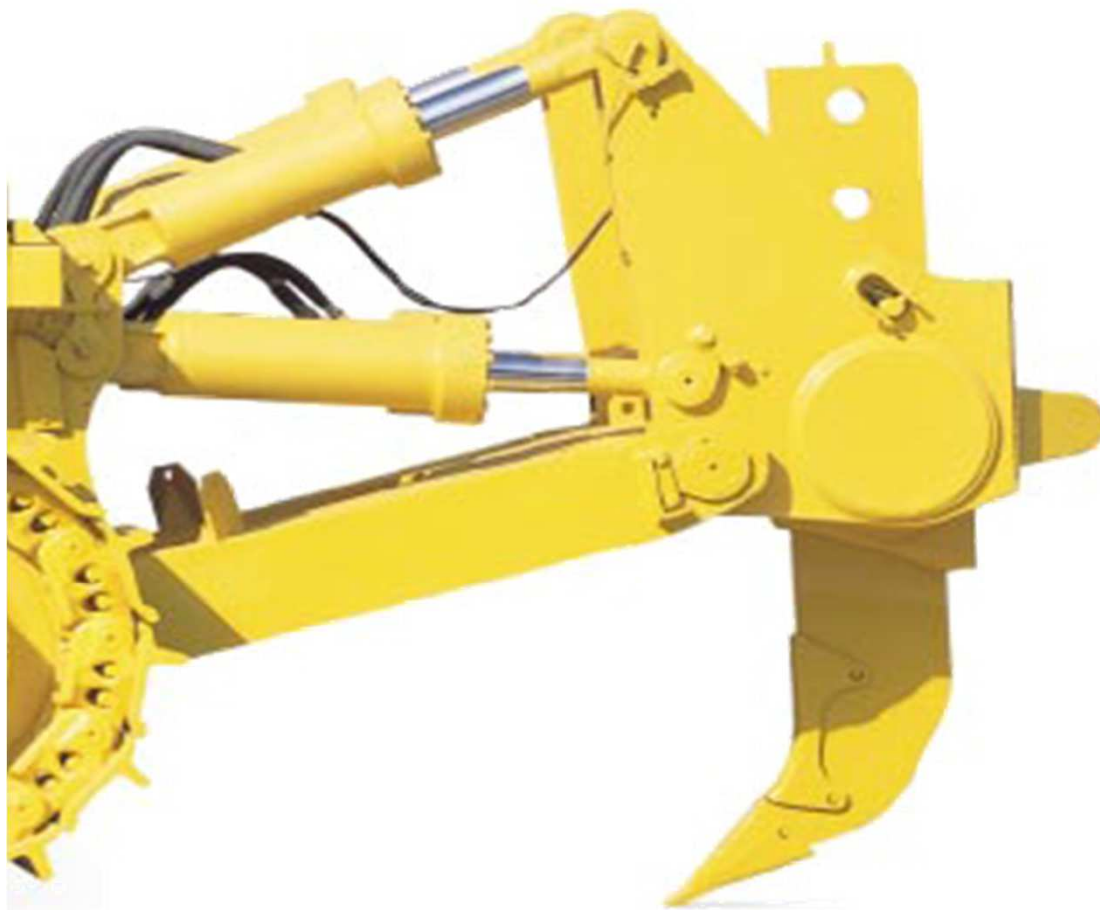
Fig.2

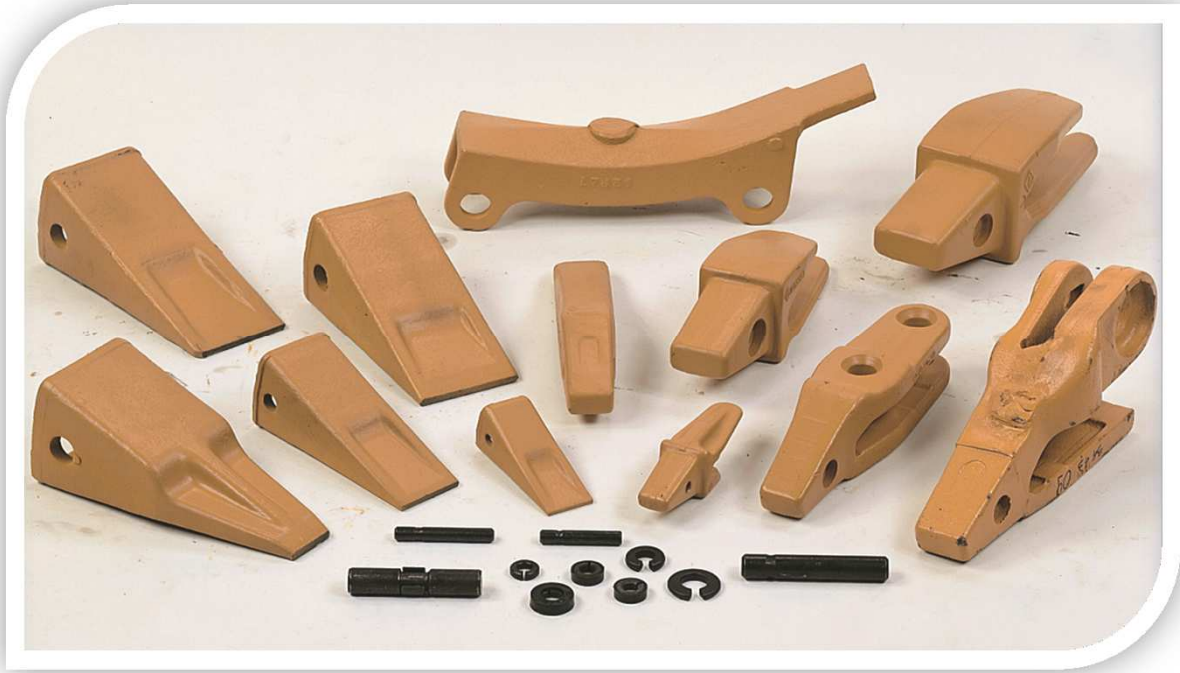


Fig.3



Fig. 4





All the Components for G.E.T. listed in this catalogue are:
WBF® Replacement Parts





WBF *Spare Parts*
LTD

WBF Spare Parts LTD
No. 305-15 HAITIAN ROAD IB-44
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