



# Parts Manual • Ersatzteil–Liste

## TATA ( ) Hoistractor



TA T A 04 N P E S X A X A

SERIES:  
TA

TYPE MOUNT:  
T = Trolley

FEATURES:  
A = Standard Unit    P = Epoxy Paint  
E = Edible Grease    R = Epoxy Paint/Edible Grease  
H = Hi Temp Grease    S = Epoxy Paint/Hi Temp Grease

TRANSVERSING SPEED:  
04 = 40 fpm  
12 = 120 fpm  
24 = 240 fpm

Drive Wheel Type:

<b>Neoprene Drive Wheel</b>	<b>Adiprene Drive Wheel</b>
N = Spring engagement	A = Spring engagement
M = Free w heel to positive drive (2 or 4 lever pendent control)	B = Free w heel to positive drive (2 or 4 lever pendent control)
O = Free w heel to positive drive (3 or 5 lever pendent control)	C = Free w heel to positive drive (3 or 5 lever pendent control)
P = Positive drive to free w heel (3 or 5 lever pendent control)	D = Positive drive to free w heel (3 or 5 lever pendent control)

CONTROL TYPE:

A = Free to positive (3/LVR)	I = P3 Models (4/LVR)
B = Positive to free (3/LVR)	P = Standard (2/LVR)*
D = Standard hoist w /Hoistractor (4 LVR)*	R = Rope Standard
E = Free to positive (5/LVR)	T = None (Rope ready)
F = Positive to free (5/LVR)	W = None(Pendent ready)

\* Excluding P3 Hoists & P3 Combination Units.

VINTAGE:  
A

EXHAUST:  
X = Standard Muffler  
P = PipeExhaust

TROLLEY:  
A = 2.62-6" Tapered    F = 2" S.R. NrW Flat  
B = 2.62-6" S.R.Tapered    G = 6-8" Tapered  
C = 2.62-6" Flat    H = 6-8" S.R. Tapered  
D = 2.62-6" S.R. Flat    I = 6-8" Flat  
E = 2" NrW Flat    J = 6-8" S.R." Flat

CONNECTING LINK:  
A = 300 -1100 lbs. 2.66 -4.66" H/T\*    L = P2 (11/15/22) 5-7" Trolley  
B = 1500-4400 lbs. 3-6" H/T\*    M = P2 (30/44) 5-7" Trolley  
C = K5 Series 2-5" Trolley    G = K1 (66/88) & P3 (80) 4-6.25" Trolley  
D = P1 Series 2-5" Trolley    H = P3 (22/43) 3.33-6.25" Trolley  
E = P2(11/15/22) 2-5" Trolley    K = K1 (22/33/44) 2-6.25" Trolley  
F = P2(30/44) 2-5" Trolley    X = Standard Connecting Link

\*H/T = Hook type trolley

DRIVEENGAGEMENT:

S = Spring for (04A/04N/12A/12N/24A/24N)  
F = Free to Positive (2 or 4 lever) for (04B/04M/12B/12M/24B/24M)  
G = Free to Positive (3 or 5 lever) for (04C/04O/12C/12O/24C/24O)  
P = Positive to Free (3 or 5 lever) for (04D/04P/12D/12P/24D/24P)

Note: Numbers and letters in parentheses following a Drive Engagement option, represent the Traversing Speed and Drive Wheel Type for that Drive Engagement option.

CONTROL LENGTH:

E = 5 Ft.	J = 10 Ft.	O = 15 Ft.	T = 20 Ft.	Y = 25 Ft.
F = 6 Ft.	K = 11 Ft.	P = 16 Ft.	U = 21 Ft.	Z = None
G = 7 Ft.	L = 12 Ft.	Q = 17 Ft.	V = 22 Ft.	
H = 8 Ft.	M = 13 Ft.	R = 18 Ft.	W = 23 Ft.	
I = 9 Ft.	N = 14 Ft.	S = 19 Ft.	X = 24 Ft.	

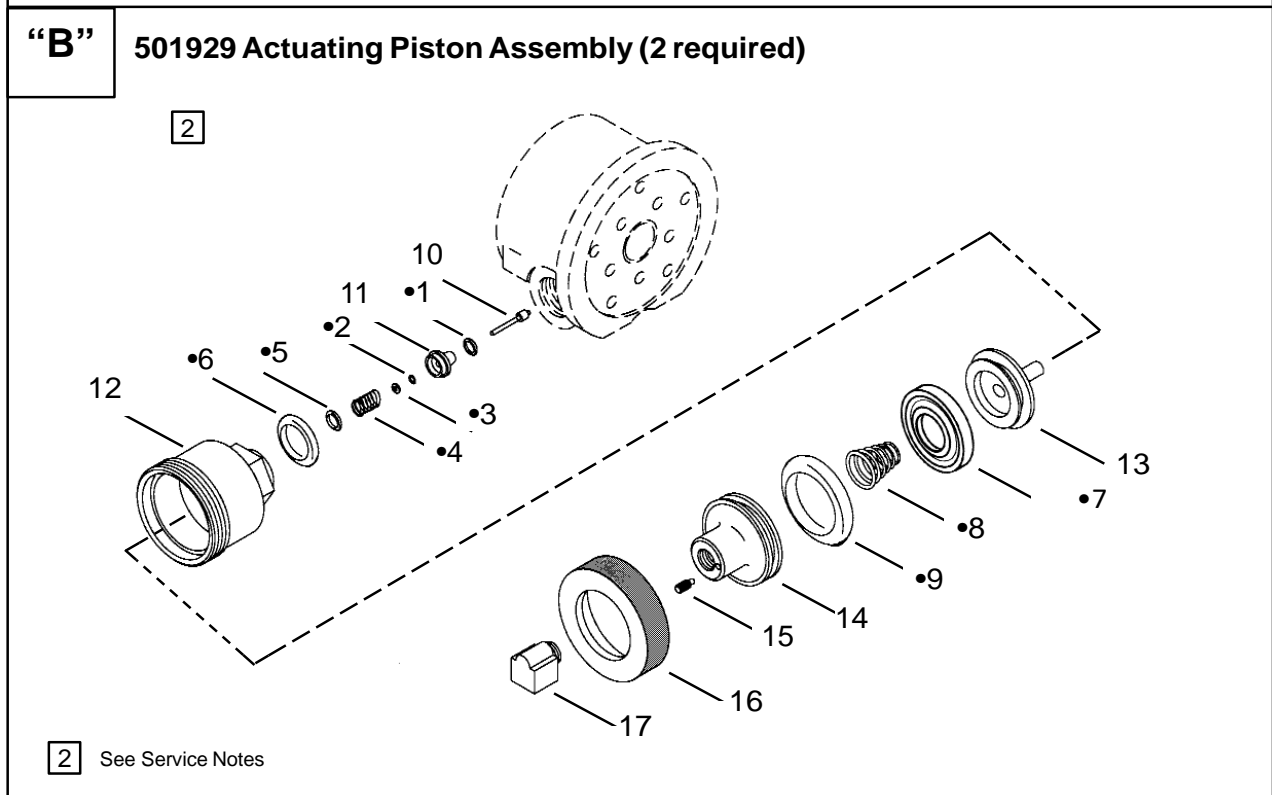
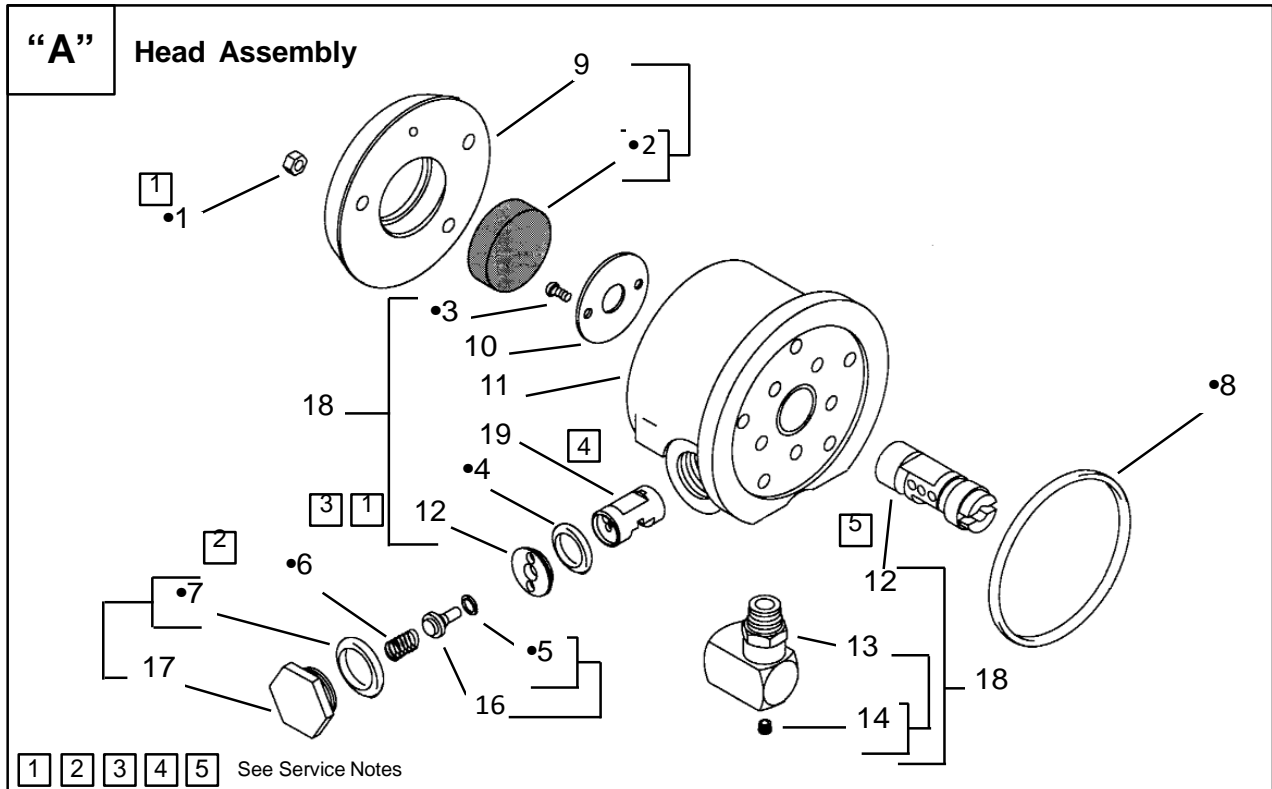
For additional product information visit our website at [www.ghoist.com](http://www.ghoist.com)



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**TATA Hoistractor – Head Assembly**



## TATA Hoistractor Head Assembly (parts)

**Illustration "A" - Head Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	C105J	5	5	Nut	Mutter	Ecrou	Tuerca	Dado
2	27489	1	1	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
3	B102J	2	2	Screw	Gewindestift	Vis	Tornillo	Vite
4	13063	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
5	1008127	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
6	521984	2	2	Spring	Druckfeder	Ressort	Resorte	Molla
7	61151	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
8	17834	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
9	A27487	1		Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
10	10360	1		Cover Plate	Abdeckplatte	Plaque de fermeture	Placa de la cubierta	Piattello di chiusura
11	A27326	1		Head	Koepf	Tête	Cabezal	Testa
12	10100	1		Distributor	Verteiler	Distributeur	Distribuidor	Distributore
13	511018	1		Swivel	Drehbar	Emerillon	Eslabon giratorio	Molinello
14	F504	1		Plug	Buchse	Tampon	Tapon	Spina
15	18946	1		Valve Guide	Ventilführung	Guide-soupape	Guía de válvula	Guida valvola
16	A27860	2		Valve	Ventil	Soupape	Valvula	Valvola
17	A103461	2		Cap	Kappe	Chapeau	Tapa	Cappello
18	A29961	1		Head Assembly	Koepfzusammenbau	Assemblage de tête	Ensamblaje de cabezal	Assemblaggio testa
19	29961	1		Reversing Valve	Umsteuerventil	Vanne de renversement	Válvula de inversión	Valvola di reversibilità

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

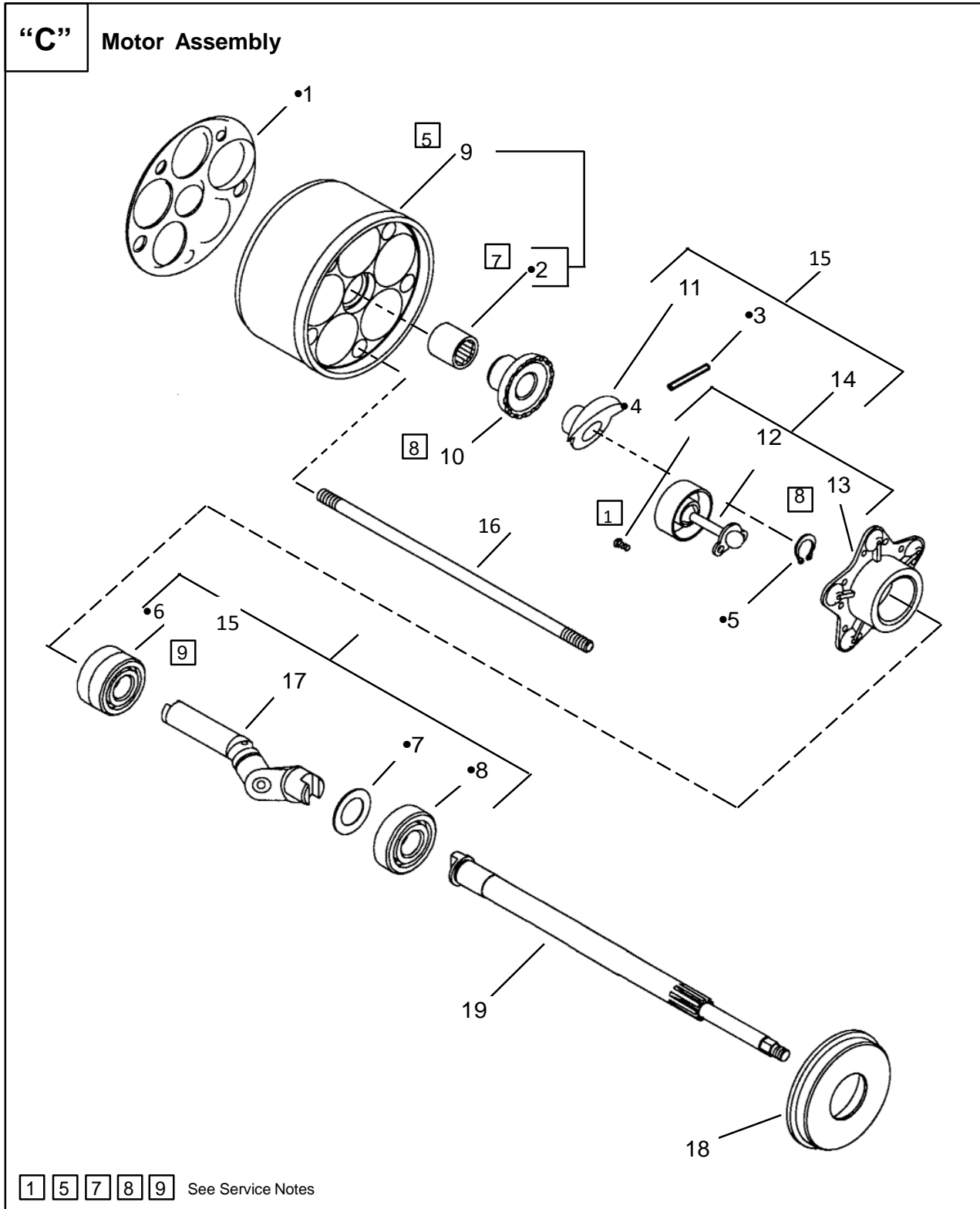
**Illustration "B" - 501929 Actuating Piston Assembly (2 Required) for Pendent Models**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	1008127	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
2	22234	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
3	W186	2	2	Washer	Scheibe	Rondelle	Arandela	Rondella
4	521984	2	2	Spring	Druckfeder	Ressort	Resorte	Molla
5	504970	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
6	61151	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
7	16356	2	2	Seal	Dichtung	Sceau	Sello	Guarnizione
8	30887	2	2	Spring	Druckfeder	Ressort	Resorte	Molla
9	14272	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	Anello ad O
10	17731	2		Pin	Stift	Goujon	Pasador	Spina
11	A17790	2		Valve	Ventil	Soupape	Valvula	Valvola
12	27740	2		Cylinder	Zylinder	Cylinder	Cilindro	Cilindro
13	539541	2		Piston	Kolben	Piston	Embolo	Pistone
14	501848	2		Cap	Kappa	Chapeau	Tapa	Cappello
15	501849	2		Adjusting Screw	Einstellschraube	Vis de réglage	Tornillo de ajuste	Vite di regolazione
16	17729	2		Nut	Mutter	Ecrou	Tuerca	Dado
17	F511	2		Elbow	Elbogen	Coude	Codo	Curva

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### Motor Assembly



## Motor Assembly (parts)

**Illustration "C" - 519708 Motor Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	1V189	1	1	Gasket	Dichtung	Joint d' etancheite	Empaquetadura	Guarnizione
2	535712	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
3	RP102E	1	1	Pin	Stift	Goujon	Pasador	Spina
4	B122R	10	10	Screw	Gewindestift	Vis	Tornillo	Vite
5	500740	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
6	22655	1	1	Bearing (Pair)	Lager	Coussinet	Cojinete	Cuscinetto
7	14048	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
8	O155	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
9	A21385	1		Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
10	213772	1		Bevel Gear	Kegelrad	Engrenage conique	Engranaje conico	Ingranaggio conico
11	25196	1		Counter Weight	Ausgleichsgewicht	Contrepoids	Contrapeso	Contropeso
12	511504	5		Piston	Kolben	Piston	Embolo	Pistone
13	511505	1		Socket plate	Stecknussplatte	Plaque de douille	Placa de enchufe	Portapiattello
14	511503	1		Socket Plate Asm.	Stecknussplattenzusammenbau	Assemblage d' plaque de douille	Ensamblaje de la placa de enchufe	Gruppo portapiattello
15	519709	1		Driveshaft Asm.	Abtriebsschaftzusammenbau	Assemblage d' arbre transmission	Ensamblaje de eje motor	Gruppo abero motore
16	541843	5		Stud	Bolzen	Goujon	Esparrago	Perno sporgente
17	21386	1		Driveshaft	Abtriebsschaft	Arbe de transmission	Eje motor	Albero motore
18	60139	1		Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
19	Table "C"	1		Spindle	Spindle	Brouche	Husillo	Mandrino

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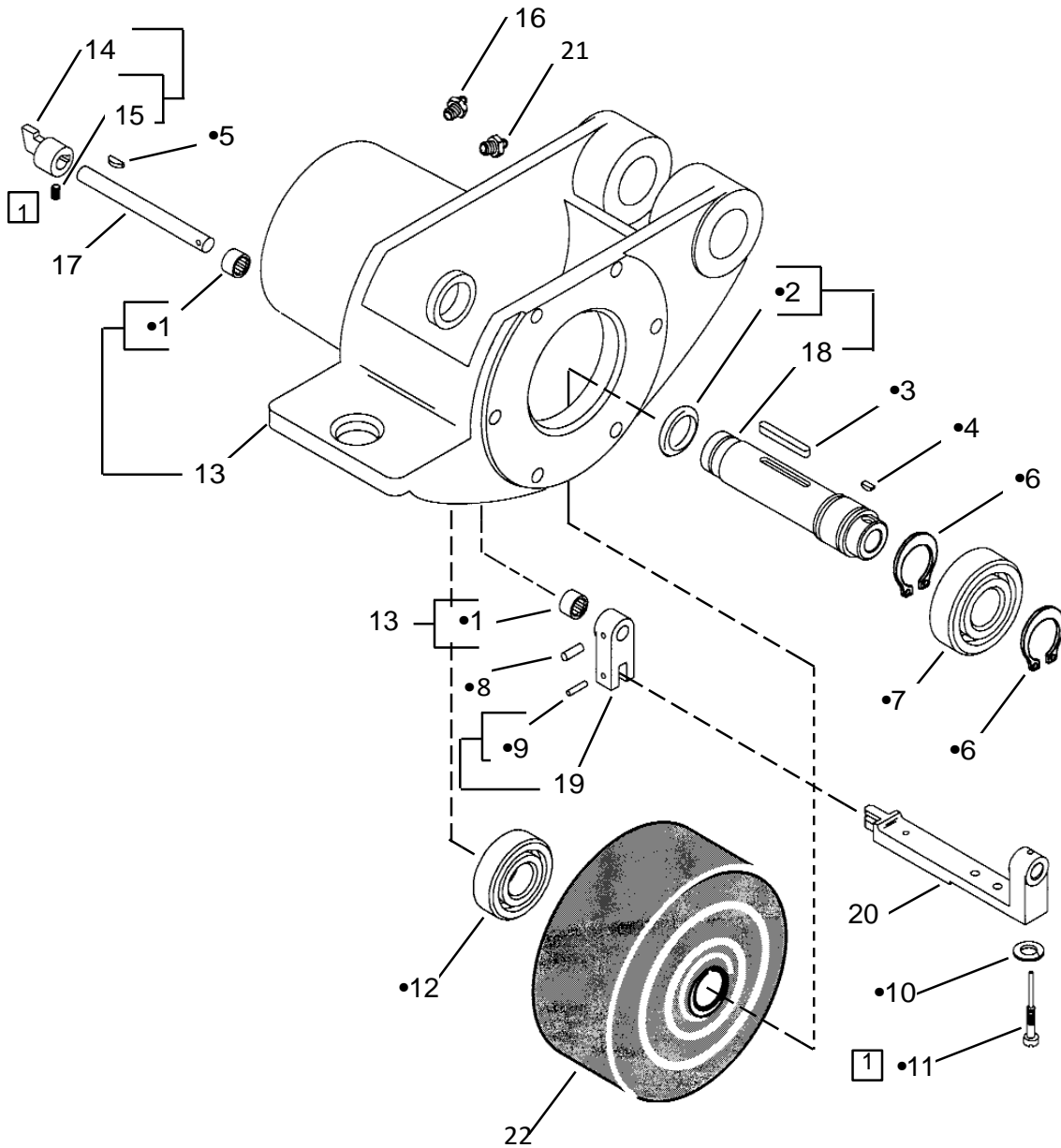
**Table "C"**

Index #	Description	Qty.	TATA04...	Qty.	TATA12... TATA24...
19	Spindle	1	507184	1	60136

**Frame Assembly**

**“D”**

**Frame Assembly**



**1** See Service Notes



## Frame Assembly (parts)

**Illustration D - Frame Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10358	2	2	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
2	24684	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	30723	1	1	Key	Schlüssel	Cle	Liave	Chiave
4	16384	1	1	Key	Schlüssel	Cle	Liave	Chiave
5	2N721	1	1	Key	Schlüssel	Cle	Liave	Chiave
6	800152	2	2	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
7	60148	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
8	60229	1	1	Pin	Stift	Goujon	Pasador	Spina
9	RP101M	1	1	Pin	Stift	Goujon	Pasador	Spina
10	W108	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
11	60233	1	1	Lock Screw	VerschluBschraube	Vis de fixation	Tornillo de prsion	Vite di bloccaggio
12	526529	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
13	A29970	1		Frame	Rahmen	Chassis	Armazon	Telaio
14	A10350	1		Control Finger	Steuerfinger	Doigt de controle	Dedo de control	Dente di comando
15	B118H	1		Screw	Gewindestift	Vis	Tornillo	Vite
16	500189	1		Relief Fitting	EntlastungspaBstuck	Monture de depouille	Accesorio de desahogo	Accessorio di sfogo
17	60133	1		Actuating Rod	Schaltstange	Tige de commande	Varilla de mando	Asta di comando
18	A60137	1		Shaft	Achse	Arbe	Eje	Abero
19	A60132	1		Actuating Arm	Schaltarm	Bras de commande	Brazo de mando	Braccio di comando
20	539130	1		Brake Arm	Bremsarm	Bras de frein	Brazo de freno	Braccio del freno
21	RG78	1		Grease Fitting	Schmiernippel	Monture de graisse	Accesorio de grasa	Ingrassatore
22	"Table D"	1		Drive Wheel	Antriebsrad	Roue d'entrainement	Rueda impulsora	Ruota guida

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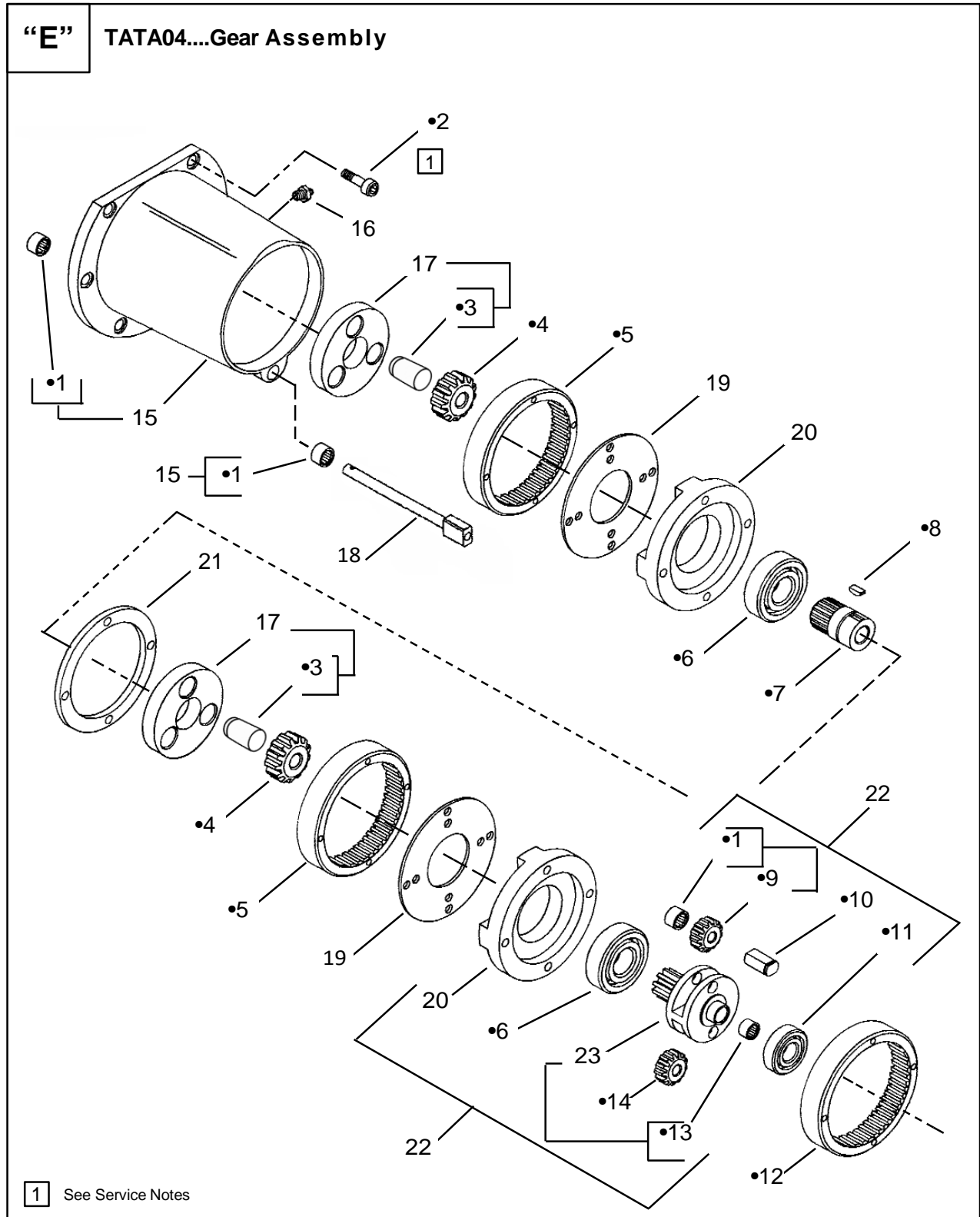
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**Table "D"**

Index #	Description	Qty.	TATA04N TATA12N TATA24N	Qty.	TATA04A TATA12A TATA24A
22	Drive Wheel	1	60134	1	507337



**Gear Assembly A**



### Gear Assembly A (parts list)

#### Illustration "E" - Gear Assembly

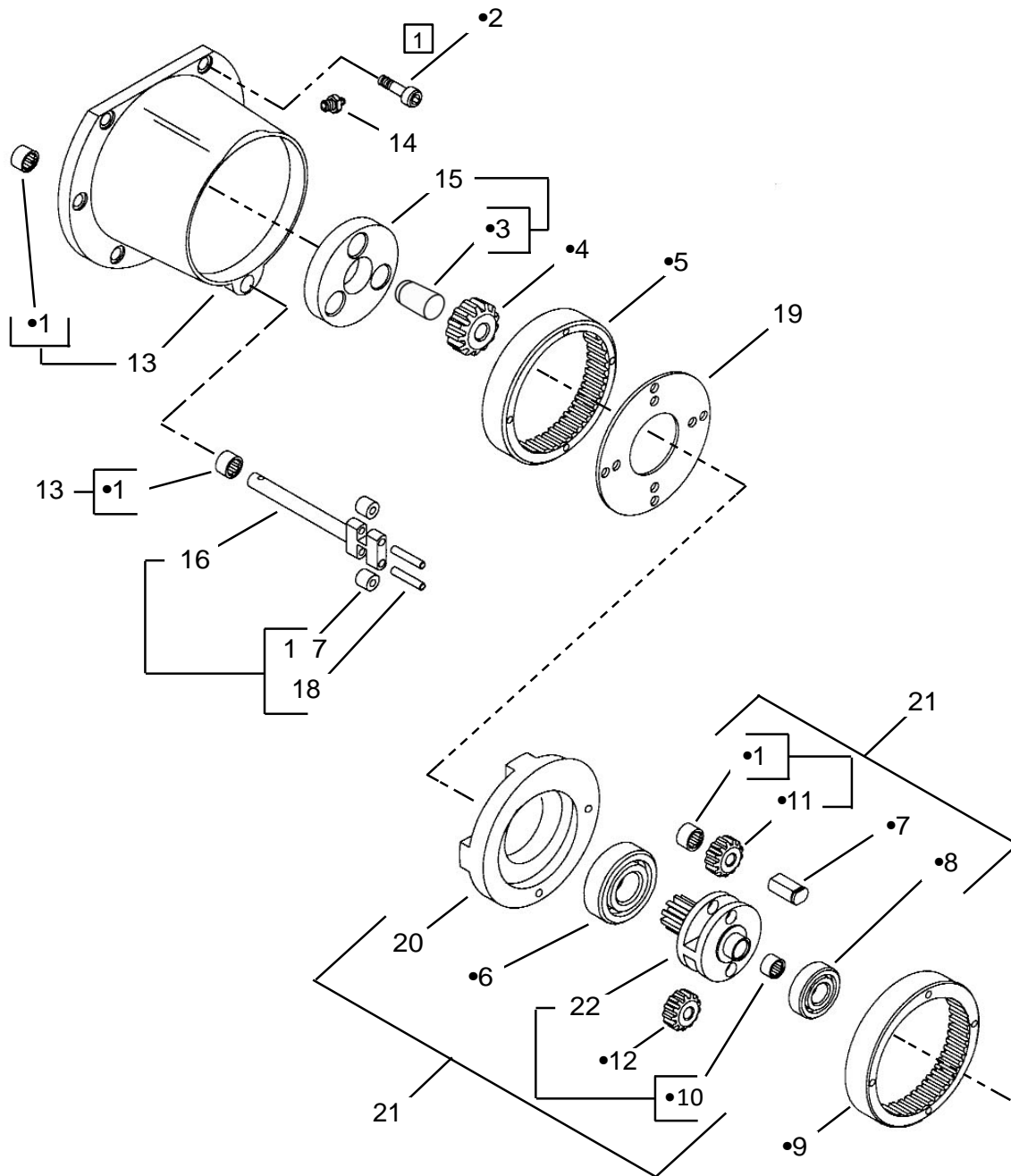
Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10358	4	8	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
2	B112B	6	12	Screw	Gewindestift	Vis	Tornillo	Vite
3	511700	6	12	Pin	Stift	Goujon	Pasador	Spina
4	10326	6	12	Idler Gear	Zwischenzahnrad	Engrenage secondaire	Engranaje de secundario	Ingranaggio intermedio
5	10325	2	4	Ring Gear	Zahnkries	Couronne dentee	Engranaje de anillos	Guarnizione ingranaggio
6	10339	2	4	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
7	507182	1	2	Short Spindle Gear	Ritzel	Engrenage de broche court	Engranaje de husillo corto	Ingranaggio corto
8	16384	1	2	Key	Schlüssel	Cle	Liave	Chiave
9	A27726	2	4	Idler Gear	Zwischenzahnrad	Engrenage secondaire	Engranaje de secundario	Ingranaggio intermedio
10	25933	2	4	Pin	Stift	Goujon	Pasador	Spina
11	1008262	1	2	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
12	10327	1	2	Ring Gear	Zahnkries	Couronne dentee	Engranaje de anillos	Guarnizione ingranaggio
13	800172	1	2	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
14	20647	1	2	Pinion Gear	Ritzelgetriebe	Pignon, d'entraînement	Pinon diferencial	Ingranaggio a pignone
15	530251	1		Housing	Gewindestift	Cage	Caja	Corpe
16	RG78	1		Grease Fitting	Schmiernippel	Monture de graisse	Accesorio de grasa	Ingrassatore
17	A103341	2		Idler Plate	Zwischenplatte	Plaque de roue intermediaire	Placa intermedia	Piastra intermedia
18	507183	1		Brake Rod	Bremsstange	Tige de frein	Varilla de freno	Asta del freno
19	10337	2		Washer	Scheibe	Rondelle	Arandela	Rondella
20	10338	2		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
21	507181	1		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
22	AA206461	1		Pinion Cage Asm	Ritzelkaefig - zusammenbau	Assemblage de cage a pignon	Ensamblaje de la caja de pinones	Gruppo gabbia pignone
23	A20646	1		Pinion Cage	Ritzelkaefig	Cage a pignon	Caja de pinones	Gabbia pignone

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### Gear Assembly B

**"F"** TATA12....., TATA24....., Gear Assembly



1 See Service Notes

## Gear Assembly B (parts)

**Illustration "F" - TATA12, TATA24 Gear Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10358	4	4	Bearing	Lager	Coussinet	Conjnete	Cuscinetto
2	B112B	6	6	Screw	Gewindestift	Vis	Tornillo	Vite
3	511700	3	3	Pin	Stift	Goujon	Pasador	Spina
4	10326	3	3	Idler Gear	Zwischenzahnrad	Engrenage secondaire	Engranaje secundario	Ingranaggio intermedio
5	10325	1	1	Ring Gear	Zahnkreis	Couronne dentee	Engranaje de anillos	Guarnizione ingranaggio
6	10339	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
7	25933	2	2	Pin	Stift	Goujon	Pasador	Spina
8	1008262	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
9	10327	1	1	Ring Gear	Zahnkreis	Couronne dentee	Engranaje de anillos	Guarnizione ingranaggio
10	800172	1	1	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
11	Table "F"	2	2	Idler Gear	Zwischenzahnrad	Engrenage	Engranaje	Ingranaggio
12	20647	1	1	Pinion Gear	Ritzelgetriebe	Pignon d'	Pinon diferencial	Ingranaggio a
13	A60124	1		Housing	Gehäuse	Cage	Cage	Corpe
14	RG78	1		Grease Fitting	Schmiernippel	Monturede graisse	Accesorio de grasa	Ingrassatore
15	A103341	1		Idler Plate	Zwischenplatte	Plaque de roue intermediaire	Placa intermedia	Piastra intermedia
16	A60226	1		Brake Rod	Bremsstange	Tige de frein	Varilla de freno	Asta del freno
17	60228	2		Roller	Rolle	Rouleau	Cilindro	Rullo
18	DP105	2		Pin	Stift	Goujon	Pasador	Spina
19	10337	1		Washer	Scheibe	Rondelle	Arandela	Rondella
20	10338	1		Spacer	Distanzstück	Entretoise	Espaciador	Distaziale
21	Table "F"	1		Pinion Cage Asm	Ritzelkaefigzusamm- enbau	Assemblage de cage a pignon	Ensamblaje de la caga de pinones	Gruppo gabbie pignone
22	Table "F"	1		Pinion Cage	Ritzelkaefig	Cage a pignon	Caja de pinones	Gabbia pignone

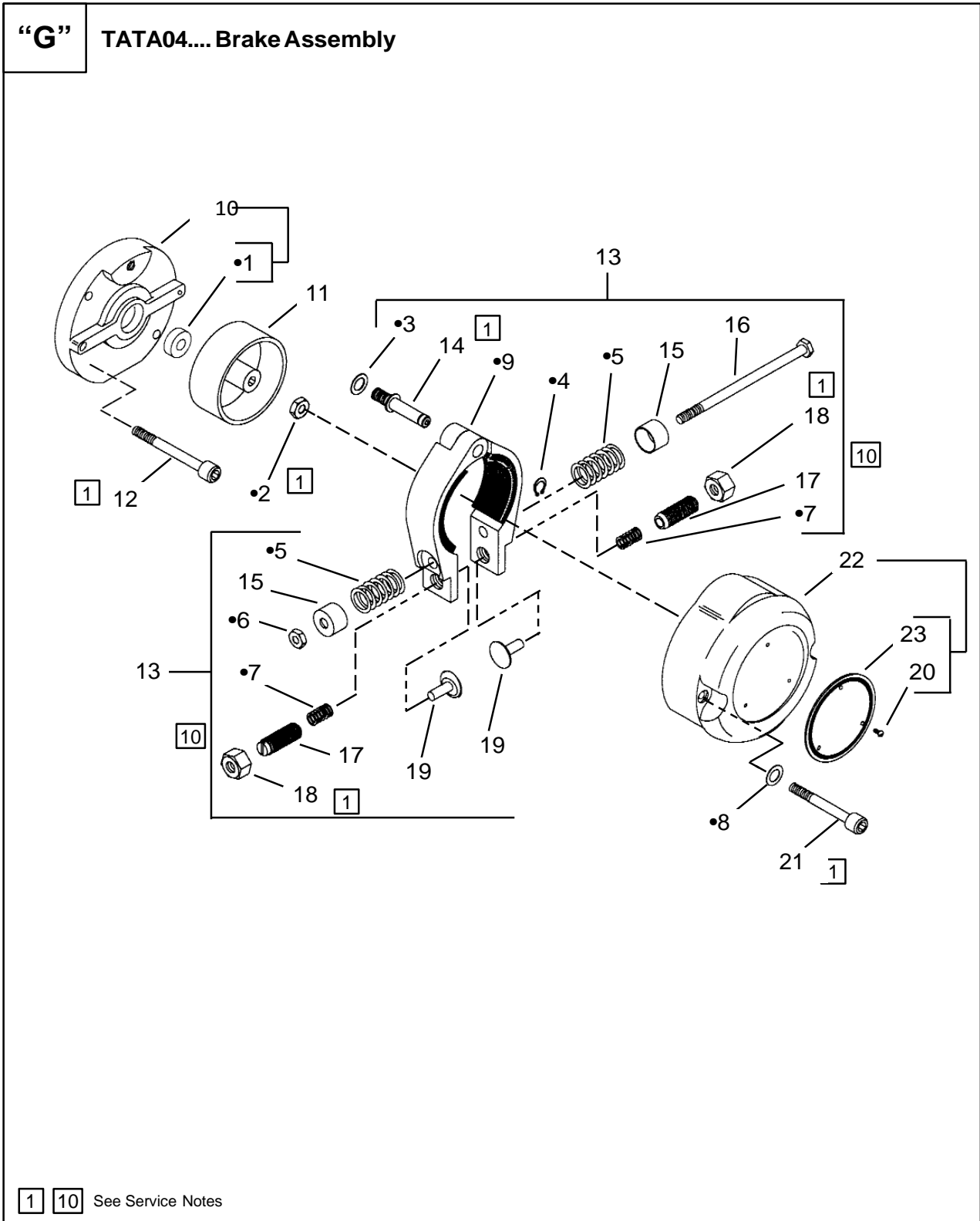
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**Table "F"**

Index #	Description	Qty.	TATA12	Qty.	TATA24
11	Idler Gear	2	A25934	2	A27726
21	Pinion Cage Assembly	1	AAA103321	1	AA206461
22	Pinion Cage	1	AA10332	1	A20646

### Brake Assembly A



## Brake Assembly A (parts)

**Illustration "G" - TATA04 Brake Assembly**

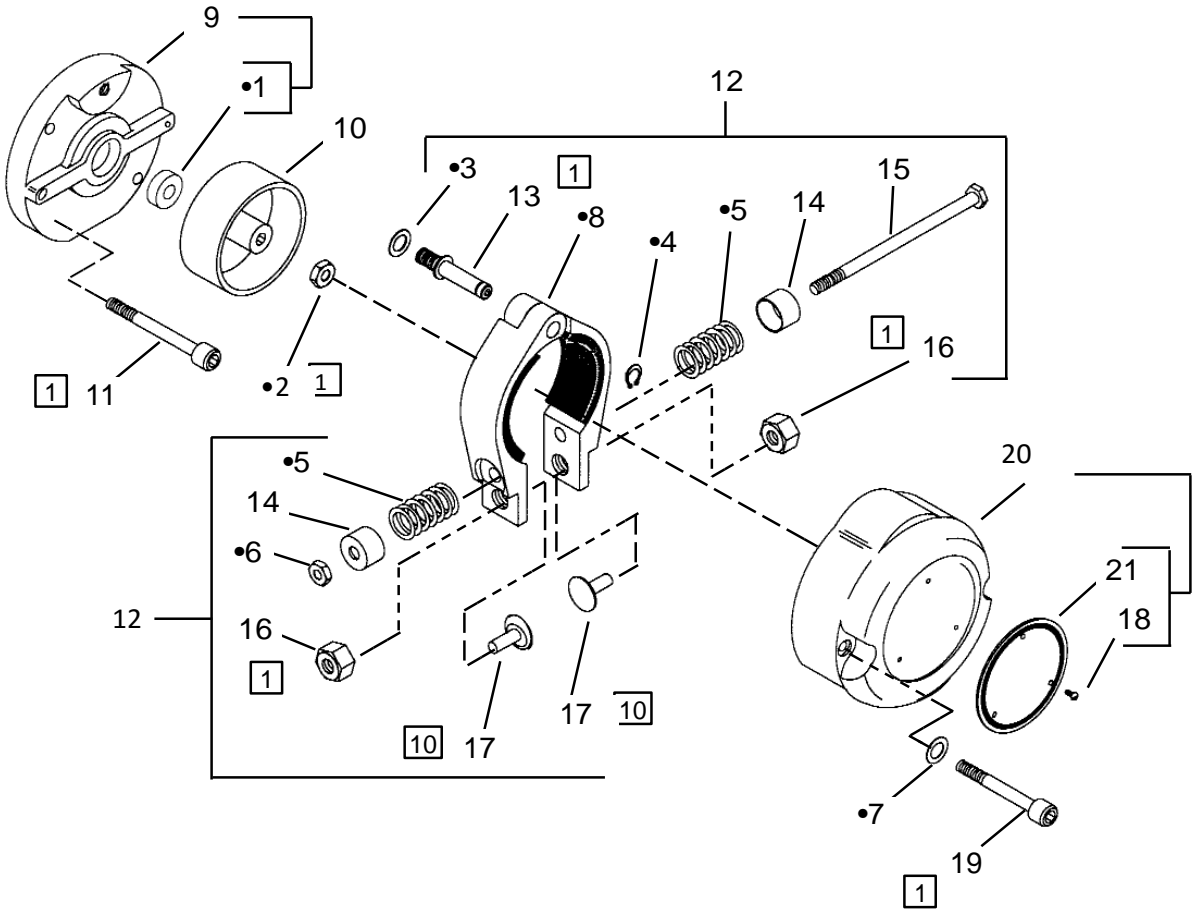
Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10373	1	1	Seal	Dictung	Sceau	Sello	Guarnizione
2	C107Z	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
3	W141	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
4	800143	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
5	19112	1	2	Spring	Druckfeder	Ressort	Resorte	Molla
6	C101E	2	1	Nut	Mutter	Ecrou	Tuerca	Dado
7	26824	1	2	Spring	Druckfeder	Ressort	Resorte	Molla
8	W114	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
9	536155	1	1	Brake Shoe	Bremsbacke	Machoire de frein	Zapata de freno	Ganascia
10	A10345	1		Clamping Plate	Klemmplatte	Plaque de serrage	Placa de sujecion	Piastra di bloccaggio
11	26099	1		Brake Wheel	Bremsrad	Volant de frein a main	Rueda de freno	Volantino del freno
12	530230	4		Screw	Gewindestift	Vis	Tornillo	Vite
13	536290	1		Brake Assembly	Bremsenbaugruppe	Ensemble de frinage	Ensamblaje de freno	Gruppo freno
14	23159	1		Pivot Stud	Zapfenboizen	Goujon de pivot	Esparrago giratorio	Perno sporgente
15	19113	2		Cup Washer	Scheibe	Rondelle de cuvette	Arandela acopada	Rondelle concava
16	B155A	1		Screw	Gewindestift	Vis	Tornillo	Vite
17	19114	2		Adjusting Screw	Einstellschraube	Vis de réglage	Tornillo de ajuste	Vite di regolazione
18	C103D	2		Nut	Mutter	Ecrou	Tuerca	Dado
19	19111	2		Plunger	Plunger	Plongeur	Bomba de embolo	Pistone
20	B113M	3		Screw	Gewindestift	Vis	Tornillo	Vite
21	B123U	2		Screw	Gewindestift	Vis	Tornillo	Vite
22	514631	1		Brake Cover	Abdeckung der Bremse	Couvercle de frein	Cubierta de freno	Calotta del freno
23	60163	1		Name Plate	Namensschild	Plaque	Placa de identificacion	Targa

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /  
Designa el repuesto recomendado / Indique la pièce de rechange conseillée

### Brake Assembly B

“H” TATA12....., TATA24....., Brake Assembly



**1** **10** See Service Notes

## Brake Assembly B (parts)

Illustration "H" - TATA12, TATA24 Brake Assembly

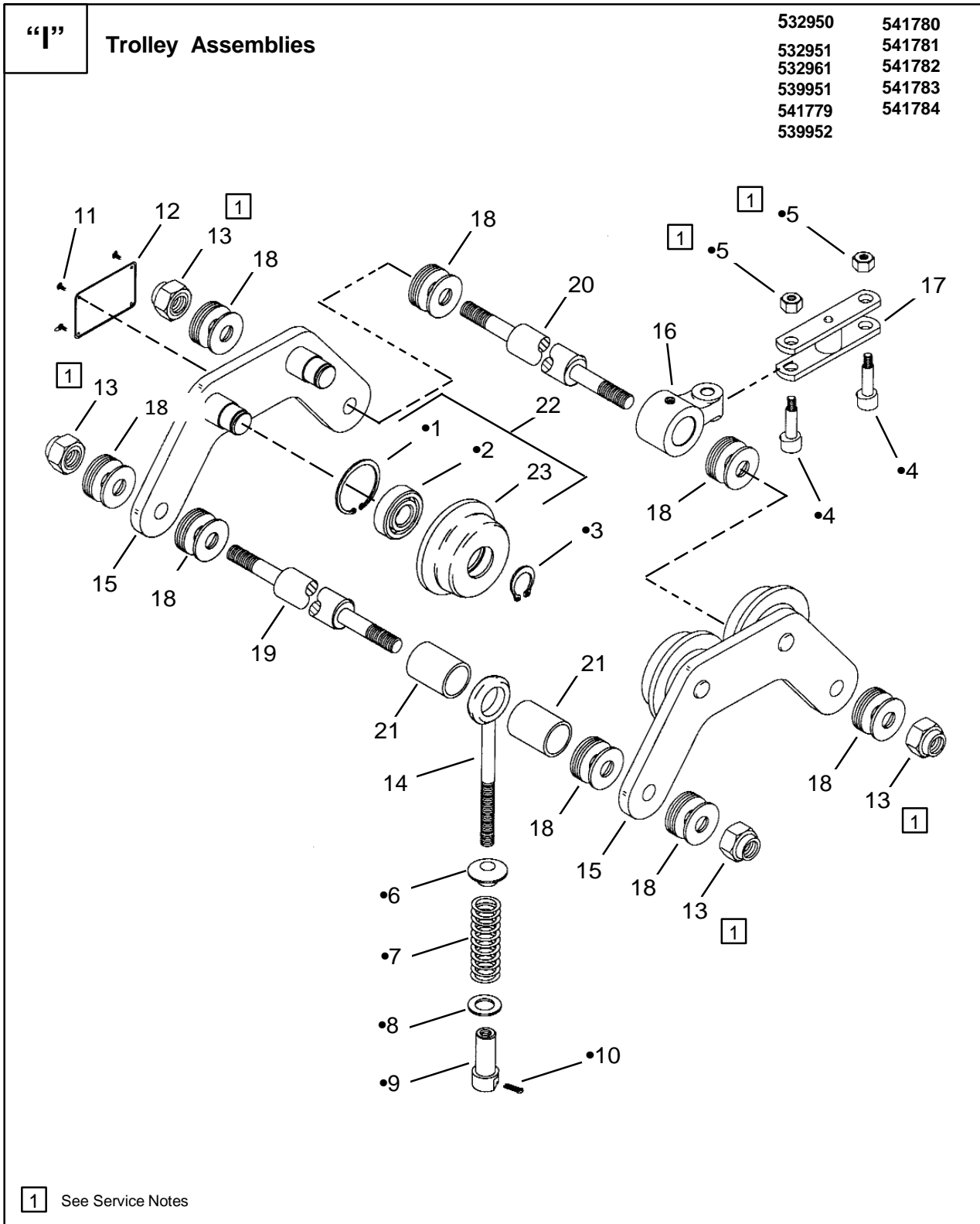
Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10373	1	1	Seal	Dichtung	Sceau	Sello	Guarnizione
2	C107Z	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
3	W141	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
4	800143	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
5	19112	1	2	Spring	Druckfeder	Ressort	Resorte	Molla
6	C101E	2	1	Nut	Mutter	Ecrou	Tuerca	Dado
7	W114	1	1	Washer	Scheibe	Ressort	Arandela	Rondella
8	536155	1	1	Brake Shoe	Bremsbacke	Machoire de frein	Zapata de freno	Ganascia
9	A10345	1		Clamping Plate	Klemmplatte	Plaque de serrage	Placa de sujecion	Piastra di bloccaggio
10	26099	1		Brake Wheel	Bremsrad	Volant de frein a main	Rueda de freno	Volantino del freno
11	B114T	4		Screw	Gewindestift	Vis	Tornillo	Vite
12	A60224	1		Brake Assembly	Bremsenbaugruppe	Ensemble de frinage	Ensamblaje de freno	Gruppo freno
13	23159	1		Pivot Stud	Zapfenboizen	Goujon de pivot	Esparrago giratorio	Perno sporgente
14	19113	2		Cup Washer	Scheibe	Rondelle de cuvette	Arandela acopada	Rondelle concava
15	B155A	1		Screw	Gewindestift	Vis	Tornillo	Vite
16	C103D	2		Nut	Mutter	Ecrou	Tuerca	Dado
17	60227	2		Adjusting Screw	Einstellschraube	Vis de reglage	Tornillo de ajuste	Vite di regolazione
18	B113M	3		Screw	Gewindestift	Vis	Tornillo	Vite
19	B123U	2		Screw	Gewindestift	Vis	Tornillo	Vite
20	514631	1		Brake Cover	Abdeckung der Bremse	Couvercle de frein	Cubierta de freno	Calotta del freno
21	60163	1		Name Plate	Namensschild	Plaque	Placa de identification	Targa

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée



### Trolley Assembly



## Trolley Assembly (parts)

**Illustration "I" - TATA Series Hoists Trolley Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	503406	4	4	Retaining Rings	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
2	526529	4	4	Bearing	Lager	Coussinet	Cojinete	Cuscinetto
3	800141	4	4	Retaining Rings	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
4	B120Y	2	2	Screw	Gewindestift	Vis	Tornillo	Vite
5	C106D	2	2	Nut	Mutter	Ecrou	Tuerca	Dado
6	60144	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
7	60146	1	1	Spring	Druckfeder	Ressort	Resorte	Molla
8	W178	1	1	Washer	Scheibe	Rondelle	Arandela	Rondella
9	60145	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
10	P101D	1	1	Pin	Sift	Goujon	Pasador	Spina
11	534820	4		Screw	Gewindestift	Vis	Tornillo	Vite
12	60161	1		Name Plate	Namensschild	Plaque	Placa de identificacion	Targa
13	60184	4		Nut	Mutter	Ecrou	Tuerca	Dado
14	60143	1		Eye Bolt	Augbolzen	Boulon a ceil	Perno de ojal	Bullone ad occhio
15	539300	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
16	60127	1		Draw Bar Tongue	Zunge der Zugstange	Langnette de barre de traction	Chaveta de la barra de tiro	Aletta della barra di trazione
17	A60167	1		Connecting Link	Verbindungsglied	Manilla d'assemblage	Enlace de conexion	Piastrina di collegamento
18	Table "I1"	54		Washer	Scheibe	Rondelle	Arandela	Rondella
19	Table "I1"	2		Spacer Bolt	Stehbolzen	Boulon d'entretoise	Perno espaciador	Bullone distanziatore
20	Table "I1"	1		Spacer Bolt	Stehbolzen	Boulon d'entretoise	Perno espaciador	Bullone distanziatore
21	Table "I1"	2		Spacer	Distanzstuck	Entretoise	Espaciador	Distanziale
22	Table "I2"	4		Wheel Assembly	Radbauugruppe	Assemblage de roue	Ensamblaje de rueda	Gruppo Mole
23	Table "I2"	4		Wheel	Rad	Roue	Rueda	Mola

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlene / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

**Table "I1"**

Index #	Description	Qty.	532950, 532951 532961, 539951 541783, 539952	Qty.	541779, 541780 541781, 541782
			2 or 2.62 - 6" Flange		6 - 8" Flange
18	Washer	54	W218	70	W218
19	Spacer Bolt	2	60128	1	500112
20	Spacer Bolt	2	60128	1	510355
21	Spacer	2	60142	2	500113

**Table "I2"**

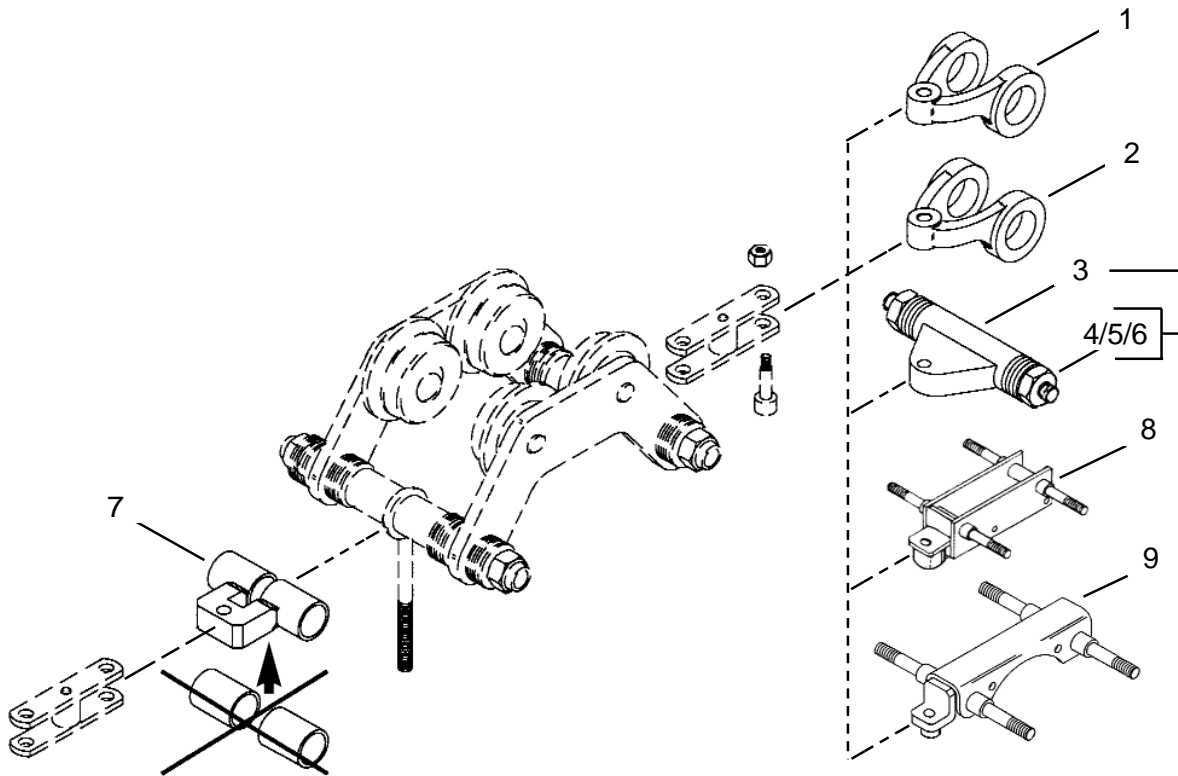
Index #	Description	Trolley Assembly											
		532951 2.62-6" Flange		532950 2.62-6" Flange		539951 2.62-6" Flange		541782 6-8" Flange		532961 2" Flange		539952 2" Flange	
		541779 6-8" Flange		541780 6-8" Flange		541781 6-8" Flange		541783 2.62-6" Flange					
		Qty.	Taper	Qty.	Taper - SR	Qty.	Flat	Qty.	Flat - SR	Qty.	Narrow	Qty.	Narrow - SR
22	Wheel Assembly	1	532939	1	532934	1	520243	1	541626	1	532948	1	535105
23	Wheel	4	531738	4	531735	4	520119	4	531734	4	520120	4	535103

### Trolley Connections A

“J”

Trolley Connections

Hook Mounted Hoists:  
K5, K1, P1, P2, P3 Series  
Trolley Mounted Hoists:  
K1, K5, P1, P3 Series



## Trolley Connection & Mount A (parts)

### Illustration "J" - Trolley Connections

Index	Number	#	.	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
<b>Hook Mounted: K5, K1, P1, P2, &amp; P3 Hoists (300-4400 Lb. / 136-2000 Kg)</b>								
1	60165	1		Yoke (300-1100 lb.)	Bugel (136-2000 kg)	Etrier (136-2000 kg)	Horquilla (136-2000 kg)	Giogo (136-2000 kg)
2	60164	1		Yoke (1500-4000 lb.)	Bugel (680-2000 kg)	Etrier (680-2000 kg)	Horquilla (680-2000 kg)	Giogo (680-2000 Kg)
<b>Hook &amp; Trolley Mounted: K1 &amp; P3 Hoists (6600-8800 Lb. / 3000-4000 Kg)</b>								
3	516710	1		Yoke Kit (6600-8800 lb.)	Bugel (3000-4000 kg)	Etrier (3000-4000 kg)	Horquilla (3000-4000 kg)	Giogo (3000-4000 Kg)
4	C107B	2		Nut	Mutter	Ecrou	Tuerca	Dado
5	516709	1		Stud	Bolzen	Goujon	Espárrago	Perno sporgente
6	516727	44		Washer	Scheibe	Rondelle	Arandela	Rondella
<b>Reverse Ends of Hoistractor</b>								
7	510971	1		Draw Bar Tongue	Zunge der Zugstange	Languette de barre de traction	Chaveta de la barra de tiro	Aletta della barra di trazione
<b>Trolley Mounted K5 (550-2200lb. / 250-1000 Kg)</b>								
8	530388	1		Bracket	Klammer	Support	Soporte	Staffa
<b>Trolley Mounted P1 (300-1000lb. / 137-454 Kg)</b>								
9	502953	1		Bracket	Klammer	Support	Soporte	Staffa

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

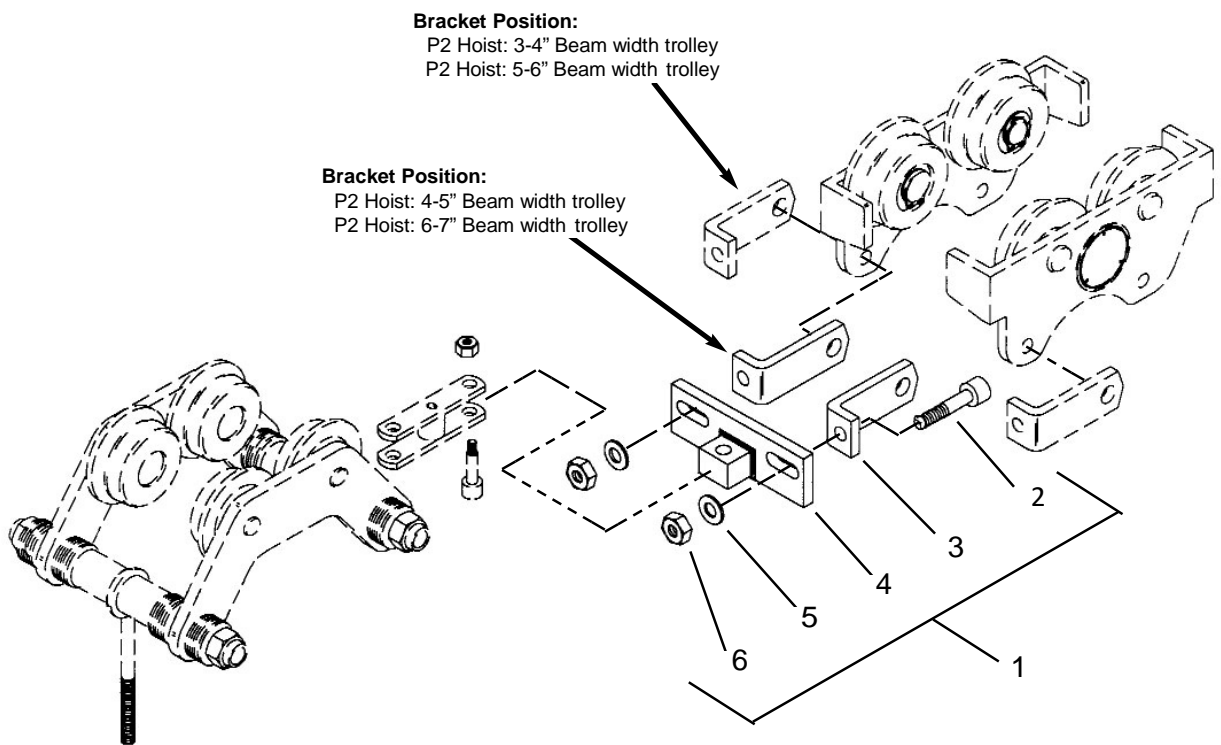
- Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

### Trolley Connections B

“K”

Trolley Connections

Trolley Mounted Hoists:  
P2 Series



## Trolley Connection & Mount B (parts)

### Illustration "K" - Connection Options

#### Trolley Mounted Hoists

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	534919	1		P2 Kit (1100/1500/2200 lb.) 2-5" Trolley	Satz (500/680/1000 kg)	Ensemble (500/680/1000 kg)	Juego (500/680/1000 kg)	Corredo (500/680/1000 kg)
	534920	1		P2 Kit (3000/4400 lb.) 2-5" Trolley	Satz (1360/2000 kg)	Ensemble (1360/2000 kg)	Juego (1360/2000 kg)	Corredo (1360/2000 kg)
	541701	1		P2 Kit (1100/1500/2200 lb.) 5-7" Trolley	Satz (500/680/1000 kg)	Ensemble (500/680/1000 kg)	Juego (500/680/1000 kg)	Corredo (500/680/1000 kg)
	541702	1		P2 Kit (3000/4400 lb.) 5-7" Trolley	Satz (1360/2000 kg)	Ensemble (1360/2000 kg)	Juego (1360/2000 kg)	Corredo (1360/2000 kg)
	541651	1		P3 Kit (2200/4400 lb.) 3.33-6.25" Trolley	Satz (1000/2000 kg)	Ensemble (1000/2000 kg)	Juego (1000/2000 kg)	Corredo (1000/2000 kg)
	541653	1		K1 Kit (2200/4400 lb.) 2-6.25" Trolley	Satz (1000/2000 kg)	Ensemble (1000/2000 kg)	Juego (1000/2000 kg)	Corredo (1000/2000 kg)
2	B116Q	2		Screw	Gewindestift	Vis	Tornillo	Vite
3	534917	2		P2 Bracket (1100/1500/2200 lb.) 2-5" Trolley	Klammer (500/680/1000 kg)	Support (500/680/1000 kg)	Soporte (500/680/1000 kg)	Staffa (500/680/1000 kg)
	534918	2		P2 Bracket (3000/4400 lb.) 2-5" Trolley	Klammer (1360/2000 kg)	Support (1360/2000 kg)	Soporte (1360/2000 kg)	Staffa (1360/2000 kg)
	541703	2		P2 Bracket (1100/1500/2200 lb.) 5-7" Trolley	Klammer (500/680/1000 kg)	Support (500/680/1000 kg)	Soporte (500/680/1000 kg)	Staffa (500/680/1000 kg)
	541704	2		P2 Bracket (3000/4400 lb.) 5-7" Trolley	Klammer (1360/2000 kg)	Support (1360/2000 kg)	Soporte (1360/2000 kg)	Staffa (1360/2000 kg)
	541650	2		P3 & K1 Bracket (3000/4400 lb.) 5-7" Trolley	Klammer (1360/2000 kg)	Support (1360/2000 kg)	Soporte (1360/2000 kg)	Staffa (1360/2000 kg)
4	534910	1		P2 Bracket	Klammer	Support	Soporte	Staffa
	541657	1		P3 Bracket	Klammer	Support	Soporte	Staffa
	541652	1		K1 Bracket	Klammer	Support	Soporte	Staffa
5	W199	2		Washer	Scheibe	Rondelle	Arandela	Rondella
6	C107D	2		Nut	Mutter	Ecrou	Tuerca	Dado

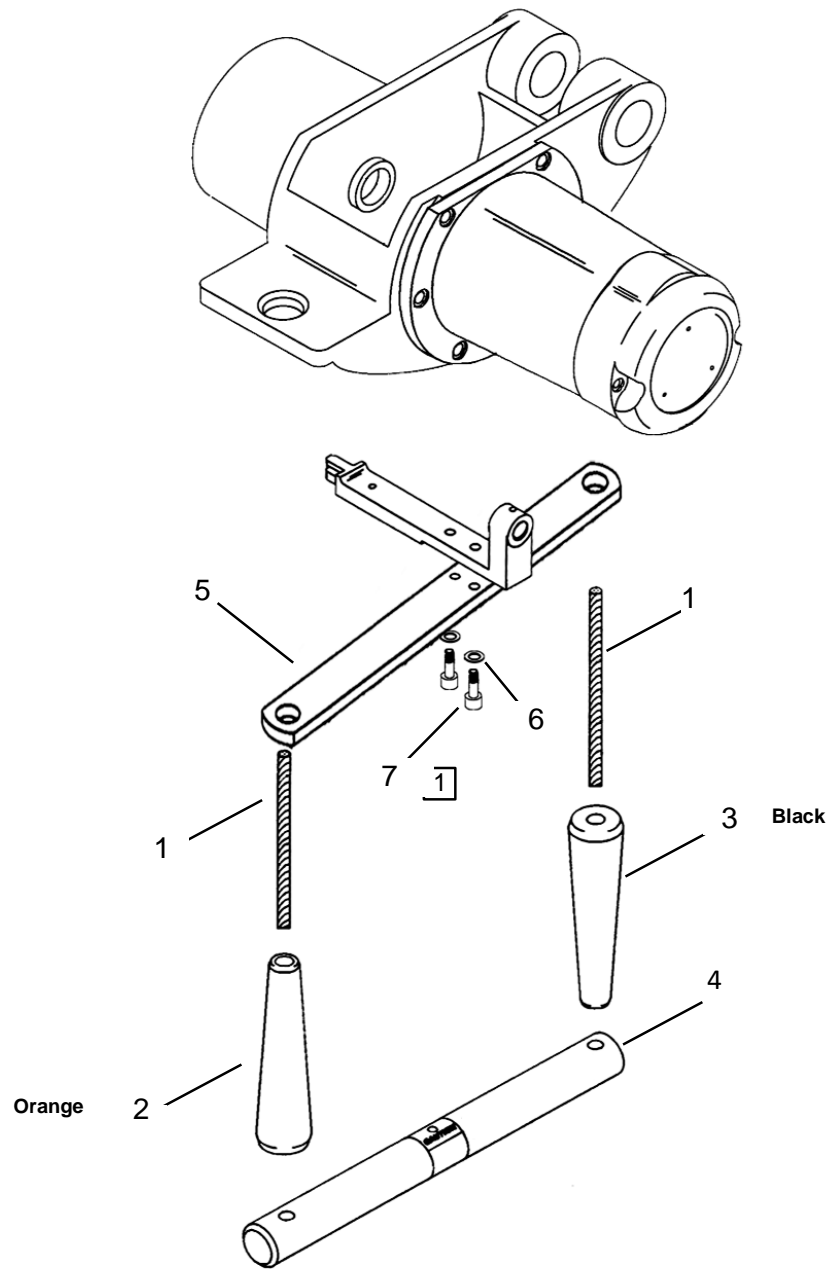
(#) Quantity / Stückzahl / Quantit  / Cantidad / Quantit 

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /  
Designa el repuesto recomendado / Indique la pi ce de rechange conseill e

**Rope Control Assembly**

“L”

**Rope Control Assembly**



1 See Service Notes

## Rope Control Assembly (parts)

### Illustration "L" - Rope Control Assembly

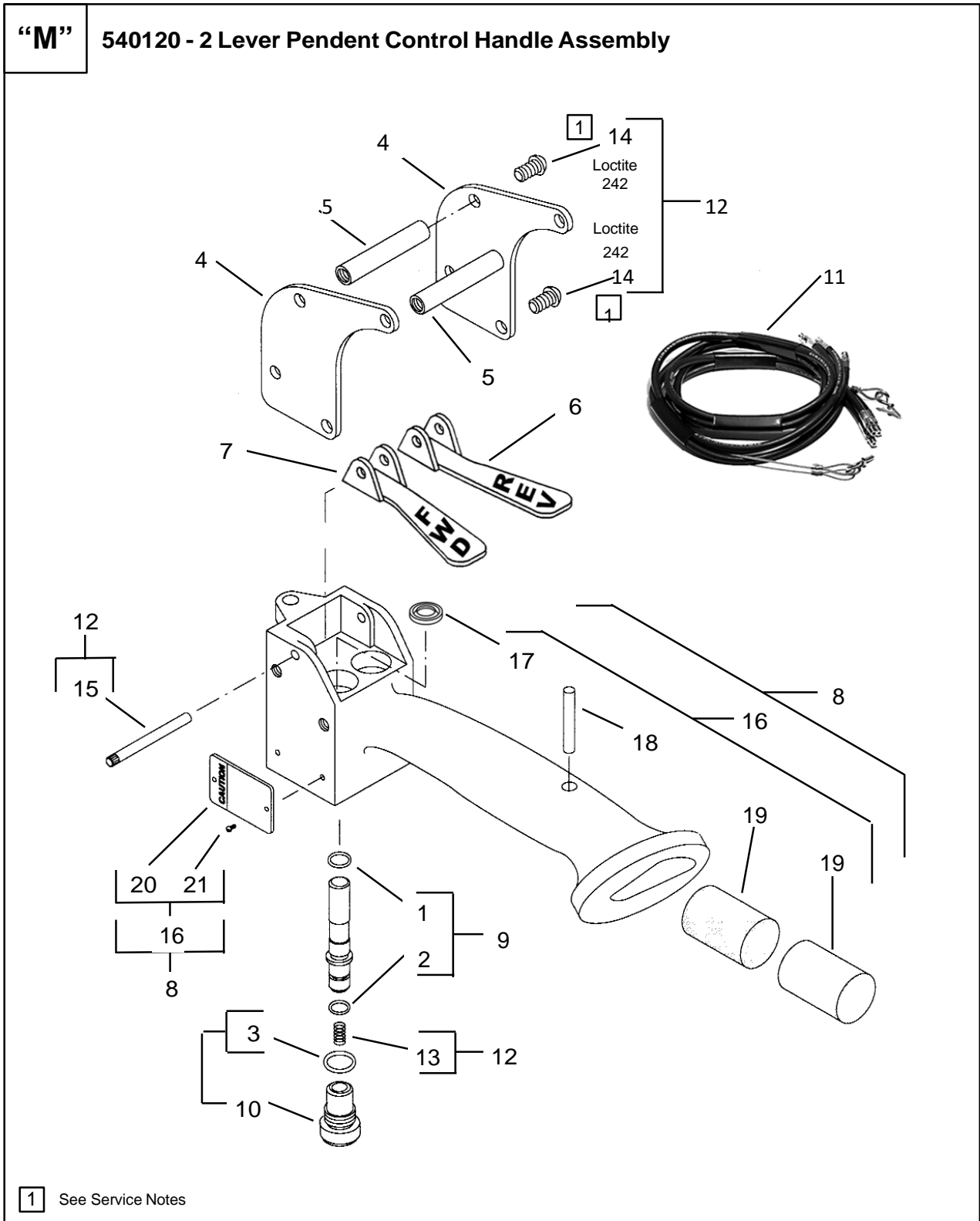
Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	10888	2		Rope	Zeil	Cordage	Cuerda	Corda
2	521428	1		Handle (Orange)	Handgriff (Orange)	Poignée (Orange)	Manija (Anaranjado)	Impugnatura (Arancione)
3	521429	1		Handle (Black)	Handgriff (Schwarz)	Poignée (Noir)	Manija (Negro)	Impugnatura (Nero)
4	522248	1		Control Bar	Steuerstange	Barre de contrôle	Barra de control	Barra di comando
5	60616	1		Arm - Rope	Arm - Zeil	Bras - Cordage	El brazo - Cuerda	Il braccio - Corda
6	W150	2		Washer	Scheibe	Rondelle	Arandela	Rondella
7	B112A	2		Screw	Gewindestift	Vis	Tornillo	Vite

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée



Pendent Control Handle Assembly A



## Pendent Control Handle Assembly A (parts)

**Illustration "M" - 540120 - 2 Lever Pendent Control Handle Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	2	2	O-Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
2	1008127	2	2	O-Ring	Druckfeder	Ressort	Resorte	Molla
3	60351	2	2	O-Ring	Scheibe	Ressort	Arandela	Rondella
4	539865	2		Side Plate	Klemmplatte	Plaque de serrage	Placa de sujecion	Piastra di bloccaggio
5	539868	2		Spacer	Bremsrad	Volant de frein a main	Rueda de freno	Volantino del freno
6	526267	1		Lever(REV)	Gewindestift	Vis	Tornillo	Vite
7	526268	1		Lever(FWD)	Bremsenbaugruppe	Ensemble de frinage	Ensamblaje de freno	Gruppo freno
8	539409	1		Handle	Zapfenboizen	Goujon de pivot	Esparrago giratorio	Perno sporgente
9	539832	2		Valve	Einstellschraube	Vis de réglage	Tornillo de ajuste	Vite di regolazione
10	511610	2		Cap	Gewindestift	Vis	Tornillo	Vite
11	526150	1		Hose(5 ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tubo ( 1,5 M)
	526151	1		Hose(10 ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tubo ( 3,0 M)
	526152	1		Hose(15 ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tubo ( 4,6 M)
	526164	1		Hose(20 ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tubo ( 6,1 M)
	529384	1		Hose(25 ft.)	Schlauch (7,6 M)	Tuyau (7,6 M)	Manguera (7,6 M)	Tubo ( 7,6 M)
12	543617	1		2 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
13	--	2	2	Spring	Mutter	Ecrou	Tuerca	Dado
14	--	8		Screw	Bremsbacke	Machoire de frein	Zapata de freno	Ganascia
15	--	1		Pin	Mutter	Ecrou	Tuerca	Dado
16	543618	1		Handle Kit	Satz	Ensemble	Juego	Corredo
17	--	2	2	Seal	Dictung	Sceau	Sello	Guarnizione
18	--	1	1	Pin	Mutter	Ecrou	Tuerca	Dado
19	--	2	2	Muffler	Scheibe	Rondelle	Arandela	Rondella
20	--	1		Caution Plate	Scheibe	Rondelle de cuvette	Arandela acopada	Rondelle concava
21	--	2		Screw	Gewindestift	Vis	Tornillo	Vite

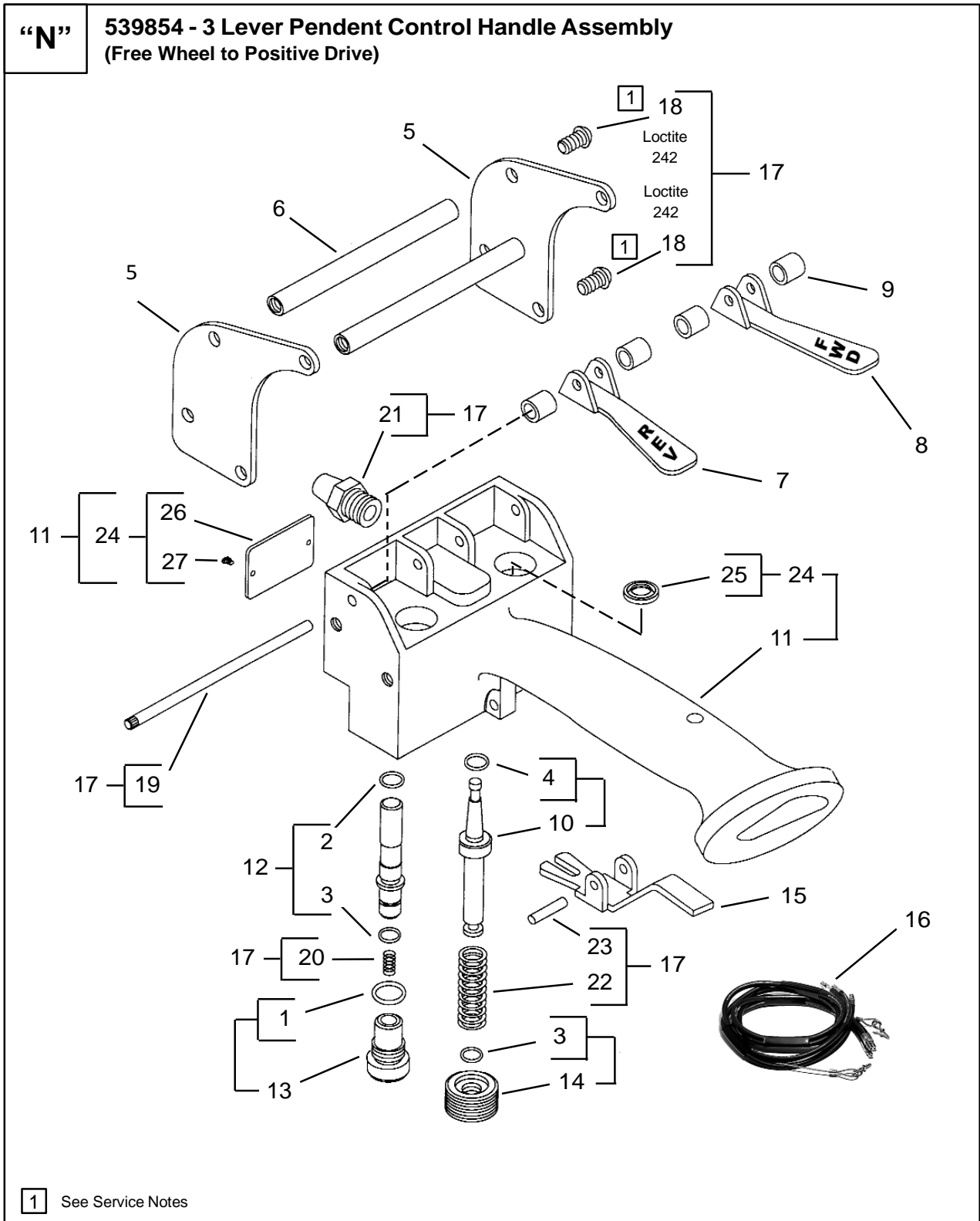
(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationsatz, nicht vorhanden als unterschiedliches Einzelteil / Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

(·) : Service Kit: # 543619 - PC Handle O-Ring Kit / Service-Installationsatz: # 543619 - PC Handgriff-O-Ring Installationsatz/ Kit De Service : # 543619 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543619 - Kit/ Del Anillo o De la Manija de la PC/ Corredo Di Servizio: # 543619 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

Pendent Control Handle Assembly B



## Pendent Control Handle Assembly B (parts)

**Illustration "N" - 539854 - 3 Lever Pendent Control Handle Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	60351	2	2	O-Ring	O-Ring	Anneau "O"	Arandela	O-Ring
2	504970	2	2	O-Ring	O-Ring	Anneau "O"	Anillo de retencion	O-Ring
3	1008127	3	3	O-Ring	O-Ring	Anneau "O"	Resorte	O-Ring
4	14221	1	1	O-Ring	O-Ring	Anneau "O"	Zapata de freno	O-Ring
5	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Plastra laterale
6	539866	2		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
7	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
8	526268	1		Lever(FWD)	Hebel	Levier	Palanca	Leva
9	526537	4		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
10	502149	1		Valve	Ventil	Soupape	Valvula	Valvola
11	539411	1		Handle	Handgriff	Poignee	Manja	Impugnatura
12	539832	2		Valve	Ventil	Soupape	Valvula	Valvola
13	511610	2		Cap	Kappe	Chapeau	Tapa	Cappello
14	502148	1		Bushing	Lagerburchse	Douille	Casquillo	Boccola
15	502147	1		Lever	Hebel	Levier	Palanca	Leva
16	531111	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tube (1,5 M)
	531112	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tube (3,0 M)
	531113	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tube (4,6 M)
	531114	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tube (6,1M)
17	543620	1		3 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
18	--	8		Screw	Gewindestift	Vis	Tornillo	Vite
19	--	1		Pin	Stift	Goujon	Pasador	Spina
20	--	2	2	Spring	Druckfeder	Ressort	Tuerca	Molla
21	--	1	1	Muffler	Auspufftopf	Silencieux	Arandela	Silenziatore
22	--	1	1	Spring	Druckfeder	Ressort	Placa de sujecion	Molla
23	--	1	1	Pin	Stift	Goujon	Tuerca	Spina
24	543621	1		Handle Kit	Satz	Ensemble	Juego	Corredo
25	--	2	2	Seal	Dichtung	Sceau	Sello	Guarnizione
26	--	1		Caution Plate	Achtungsschild	Plaque d' avertissement	Placa de instrucciones	Plastra di protezione
27	--	2		Screw	Gewindestift	Vis	Tornillo	Vite

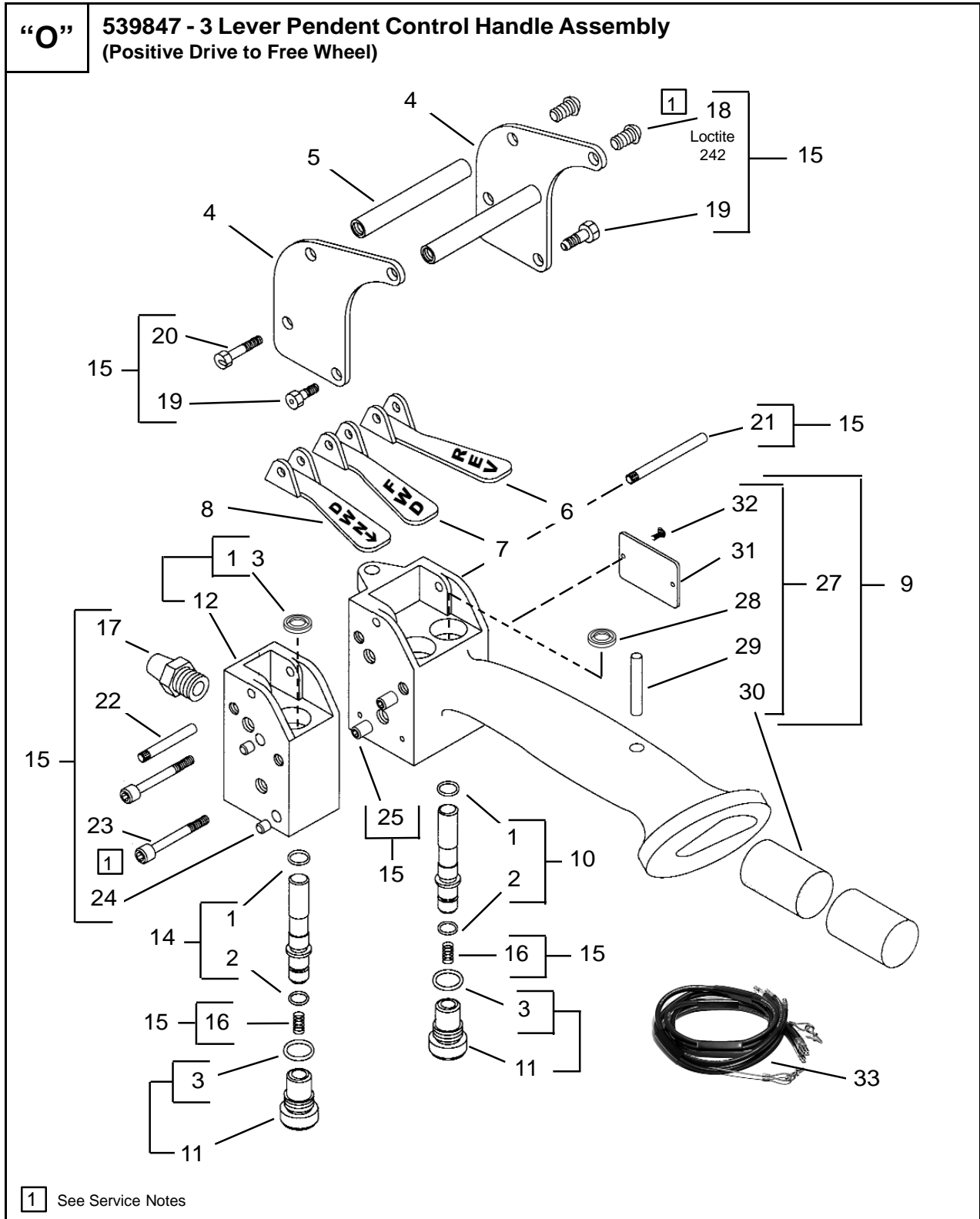
(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(--): Sold in kit, not available as separate item / Verkauft im Installationssatz, nicht vorhanden als unterschiedliches Einzelteil / Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

(·) : Service Kit: # 543622 - PC Handle O-Ring Kit / Service-Installationssatz: # 543622 - PC Handgriff-O-Ring Installationssatz/ Kit De Service : # 543622 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543622 - Kit/ Del Anillo o De la Manija de la PC/ Corredo Di Servizio: # 543622 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

Pendent Control Handle Assembly C



## Pendent Control Handle Assembly C (parts)

**Illustration O - 539847 - 3 Lever Pendent Control Handle Assembly**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	3	3	O-Ring	O-Ring	Anneau "O"	Anillo de retención	O-Ring
2	1008127	3	3	O-Ring	O-Ring	Anneau "O"	Resorte	O-Ring
3	60351	3	3	O-Ring	O-Ring	Anneau "O"	Arandela	O-Ring
4	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
5	540278	2		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
6	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
7	526268	1		Lever (FWD)	Hebel	Levier	Palanca	Leva
8	526276	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
9	539409	1		Handle	Handgriff	Poignée	Manja	Impugnatura
10	539832	2		Valve - Std	Ventil	Soupape	Valvula	Valvola
11	511610	3		Cap	Kappe	Chapeau	Tapa	Cappello
12	539783	1		Block	Block	Bloc	Bloque	Blocco
13	531111	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tube (1,5 M)
	531112	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tube (3,0 M)
	531113	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tube (4,6 M)
	531114	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tube (6,1M)
14	539809	1		Valve	Ventil	Soupape	Valvula	Valvola
15	543623	1		3 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
16	--	3	3	Spring	Druckfeder	Ressort	Tuerca	Molla
17	--	1	1	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
18	--	4		Screw	Gewindestift	Vis	Tornillo	Vite
19	--	3		Screw (1/4" x 1/2" lg)	Gewindestift	Vis	Tornillo	Vite
20	--	1		Screw (1/4" x 1/2" lg)	Gewindestift	Vis	Tornillo	Vite
21	--	1		Pin	Stift	Goujon	Pasador	Spina
22	--	1		Pin	Stift	Goujon	Pasador	Spina
23	--	2		Screw	Gewindestift	Vis	Tornillo	Vite
24	--			Screw	Gewindestift	Vis	Tornillo	Vite
25	--			Screw	Gewindestift	Vis	Tornillo	Vite
26	--	1	1	Seal	Dictung	Sceau	Sello	Guarnizione
27	543618	1		Handle Kit	Satz	Ensemble	Juego	Corredo
28	--	2	2	Seal	Dictung	Sceau	Sello	Guarnizione
29	--	1	1	Pin	Stift	Goujon	Tuerca	Spina
30	--	2	2	Muffler	Auspufftopf	Silencieux	Arandela	Silenziatore
31	--	1		Caution Plate	Achtungsschild	Plaque d'avertissement	Placa de instrucciones	Plastra di protezione
32	--	2		Screw	Gewindestift	Vis	Tornillo	Vite

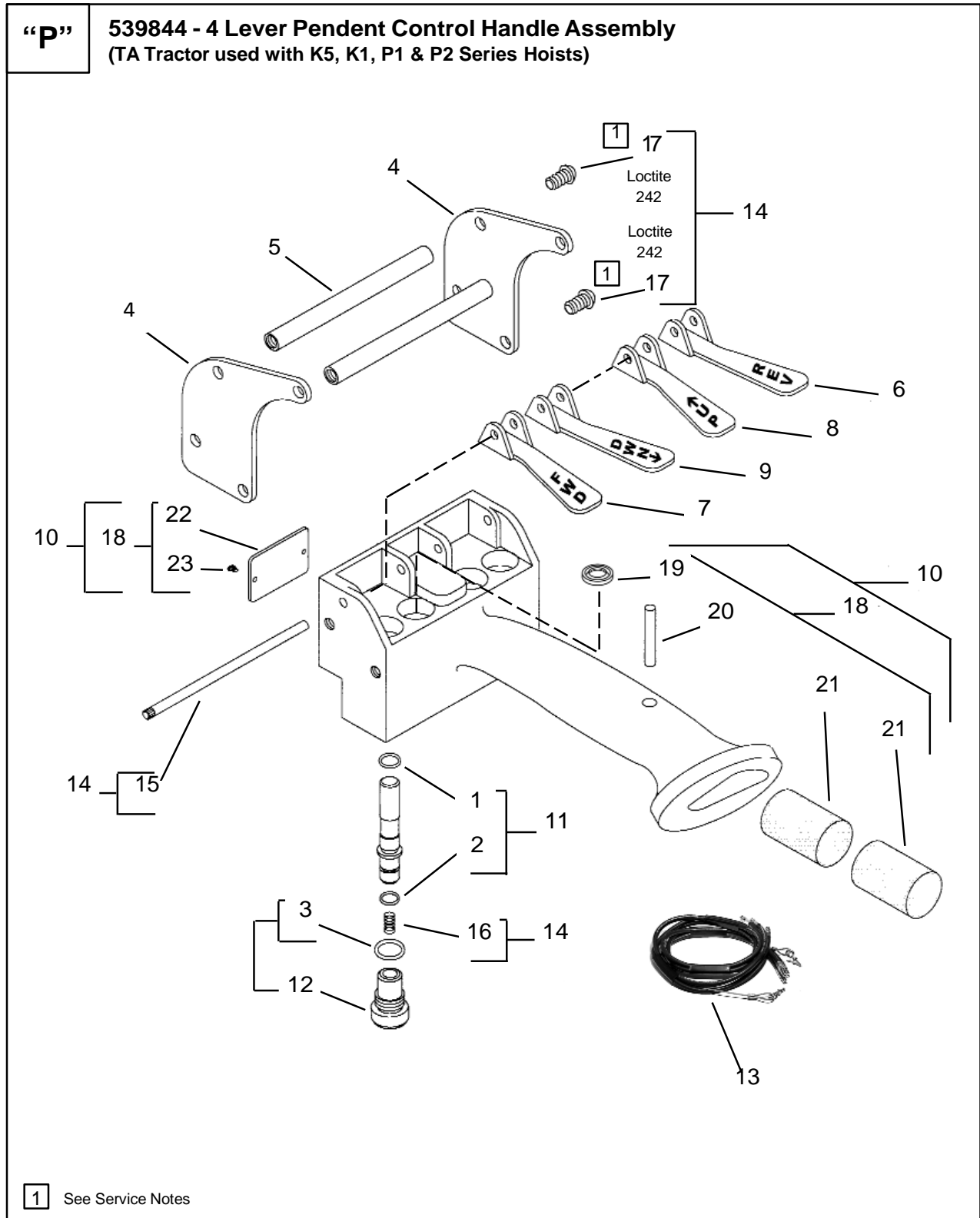
(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationssatz, nicht vorhanden als unterschiedliches Einzelteil / Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

(·) : Service Kit: # 543624 - PC Handle O-Ring Kit / Service-Installationssatz: # 543624 - PC Handgriff-O-Ring Installationssatz / Kit De Service : # 543624 - Kit De Bague De Poignée de PC / Kit Del Servizio: # 543624 - Kit/ Del Anillo o De la Manija de la PC / Corredo Di Servizio: # 543624 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

Pendent Control Handle Assembly D



### Pendent Control Handle Assembly D (parts)

**Illustration "P" - 539844 - 4 Lever Pendent Control Handle Assembly, K5, K1, P1, & P2 with TA Series Hoistractor**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	4	4	O-Ring	O-Ring	Anneau "O"	Anillo de retencion	O-Ring
2	1008127	4	4	O-Ring	O-Ring	Anneau "O"	Resorte	O-Ring
3	60351	4	4	O-Ring	O-Ring	Anneau "O"	Anillo " O"	O-Ring
4	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
5	539866	2		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
6	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
7	526268	1		Lever (FWD)	Hebel	Levier	Palanca	Leva
8	526277	1		Lever (UP)	Hebel	Levier	Palanca	Leva
9	526278	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
10	539412	1		Handle	Handgriff	Poignee	Manja	Impugnatura
11	539832	4		Valve	Ventil	Soupape	Valvula	Valvola
12	511610	4		Cap	Kappe	Chapeau	Tapa	Cappello
13	526170	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tubo (1,5 M)
	526171	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tubo (3,0 M)
	526172	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tubo (4,6 M)
	526175	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tubo (6,1M)
	526176	1		Hose (25ft.)	Schlauch (7,6 M)	Tuyau (7,6 M)	Manguera (7,6 M)	Tubo (7,6 M)
14	543625	1		4 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
15	--	1		Pin	Stift	Goujon	Pasador	Spina
16	--	4	4	Spring	Druckfeder	Ressort	Tuerca	Molla
17	--	8		Screw	Gewindestift	Vis	Tornillo	Vite
18	543626	1		Handle Kit	Satz	Ensemble	Juego	Corredo
19	--	4	4	Seal	Dictung	Sceau	Sello	Guarnizione
20	--	1	1	Pin	Stuft	Goujon	Tuerca	Spina
21	--	2	2	Muffler	Auspufftopf	Silencieux	Arandela	Silenziatore
22	--	1		Caution Plate	Achtungsschild	Plaque d' avertissement	Placa de instrucciones	Plastra di protezione
23	--	2		Screw	Gewindestift	Vis	Tornillo	Vite

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /

Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationssatz, nicht vorhanden als unterschiedliches Einzelteil /

Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

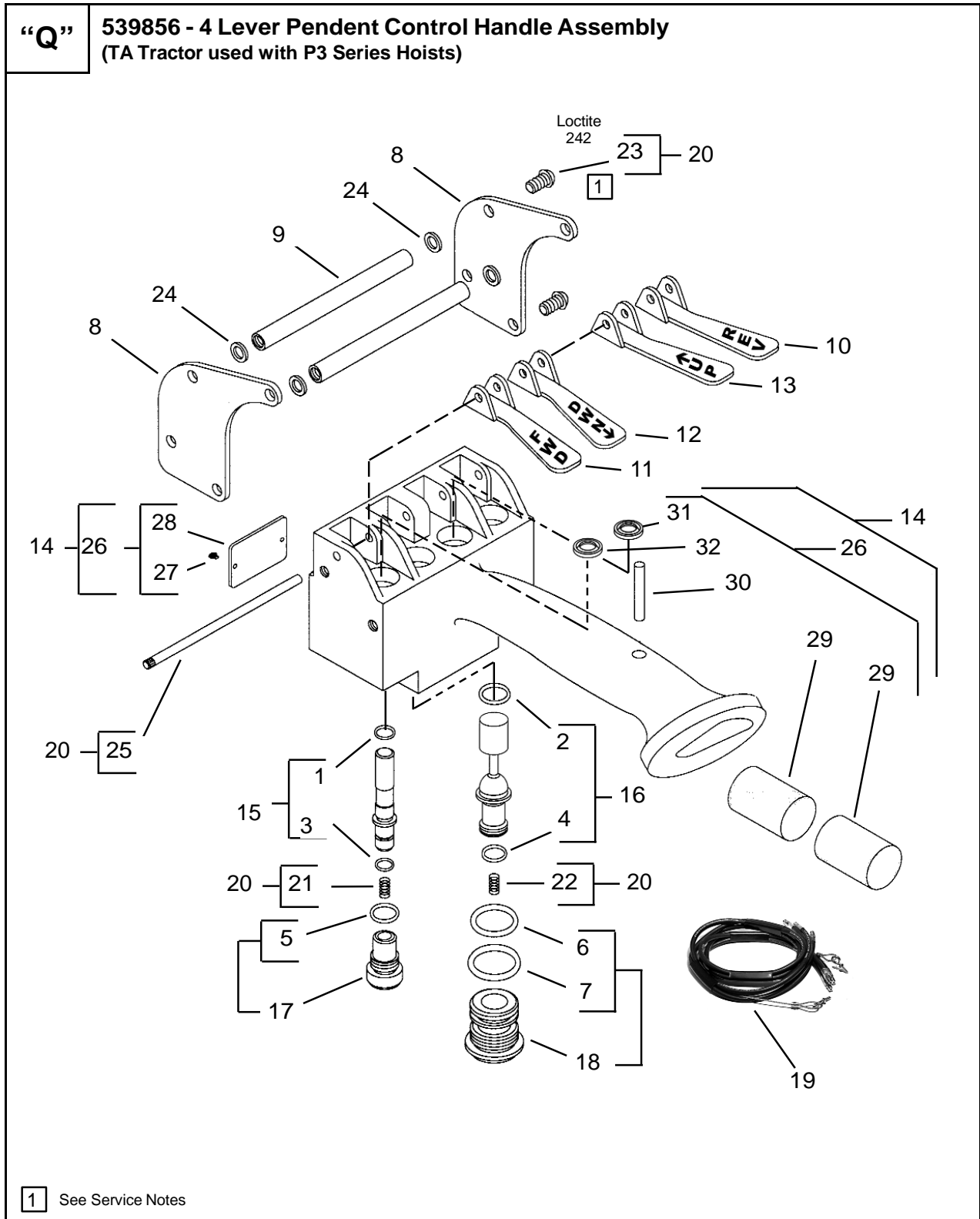
(·) : Service Kit: # 543627 - PC Handle O-Ring Kit / Service-Installationssatz: # 543627 - PC Handgriff-O-Ring Installationssatz/

Kit De Service : # 543627 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543627 - Kit/ Del Anillo o De la Manija de la PC/

Corredo Di Servizio: # 543627 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc



### Pendent Control Handle Assembly E



## Pendent Control Handle Assembly E (parts)

**Illustration "Q" - 539856 - 4 Lever Pendent Control Handle Assembly, P3 with TA Series Hoistractor**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	12619	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	1008127	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
4	60371	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
5	60351	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
6	24684	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
7	29865	2	2	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
8	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
9	539866	2		Spacer	Distanzstück	Entretoise	Espacidor	Distanziale
10	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
11	526268	1		Lever (FWD)	Hebel	Levier	Palanca	Leva
12	526276	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
13	526275	1		Lever (UP)	Hebel	Levier	Palanca	Leva
14	539760	1		Handle	Handgriff	Poignee	Manija	Impugnatura
15	539832	2		Valve (FWD/REV)	Ventil	Soupape	Valvula	Valvola
16	539753	2		Valve (UP/DWN)	Ventil	Soupape	Valvula	Valvola
17	511610	2		Cap	Kappe	Chapeau	Tapa	Cappello
18	522344	2		Cap	Kappe	Chapeau	Tapa	Cappello
19	522911	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tubo (1,5 M)
	519306	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tubo (3,0 M)
	519307	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tubo (4,6 M)
	522948	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tubo (6,1M)
	522824	1		Hose (25ft.)	Schlauch (7,6 M)	Tuyau (7,6 M)	Manguera (7,6 M)	Tubo (7,6 M)
20	543628	1		4 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
21	--	2	2	Spring	Druckfeder	Ressort	Resorte	Molla
22	--	2	2	Spring	Druckfeder	Ressort	Resorte	Molla
23	--	8		Screw	Gewindestift	Vis	Tornillo	Vite
24	--	4		Washer	Scheibe	Rondelle	Arandela	Rondelle
25	--	1		Pin	Stift	Goujon	Pasador	Spina
26	543629			PC Handle Kit	Satz	Ensemble	Juego	Corredo
27	--	2		Screw	Gewindestift	Vis	Tornillo	Vite
28	--	1		Caution Plate	Achtungsschild	Plaque d' avertissement	Placa de instrucciones	Piastra di protezione
29	--	2	2	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
30	--	1	1	Pin	Stift	Goujon	Pasador	Spina
31	--	2	2	Seal	Dichtung	Sceau	Sello	Guarnizione
32	--	2	2	Seal	Dichtung	Sceau	Sello	Guarnizione

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

- Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /

Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationssatz, nicht vorhanden als unterschiedliches Einzelteil /

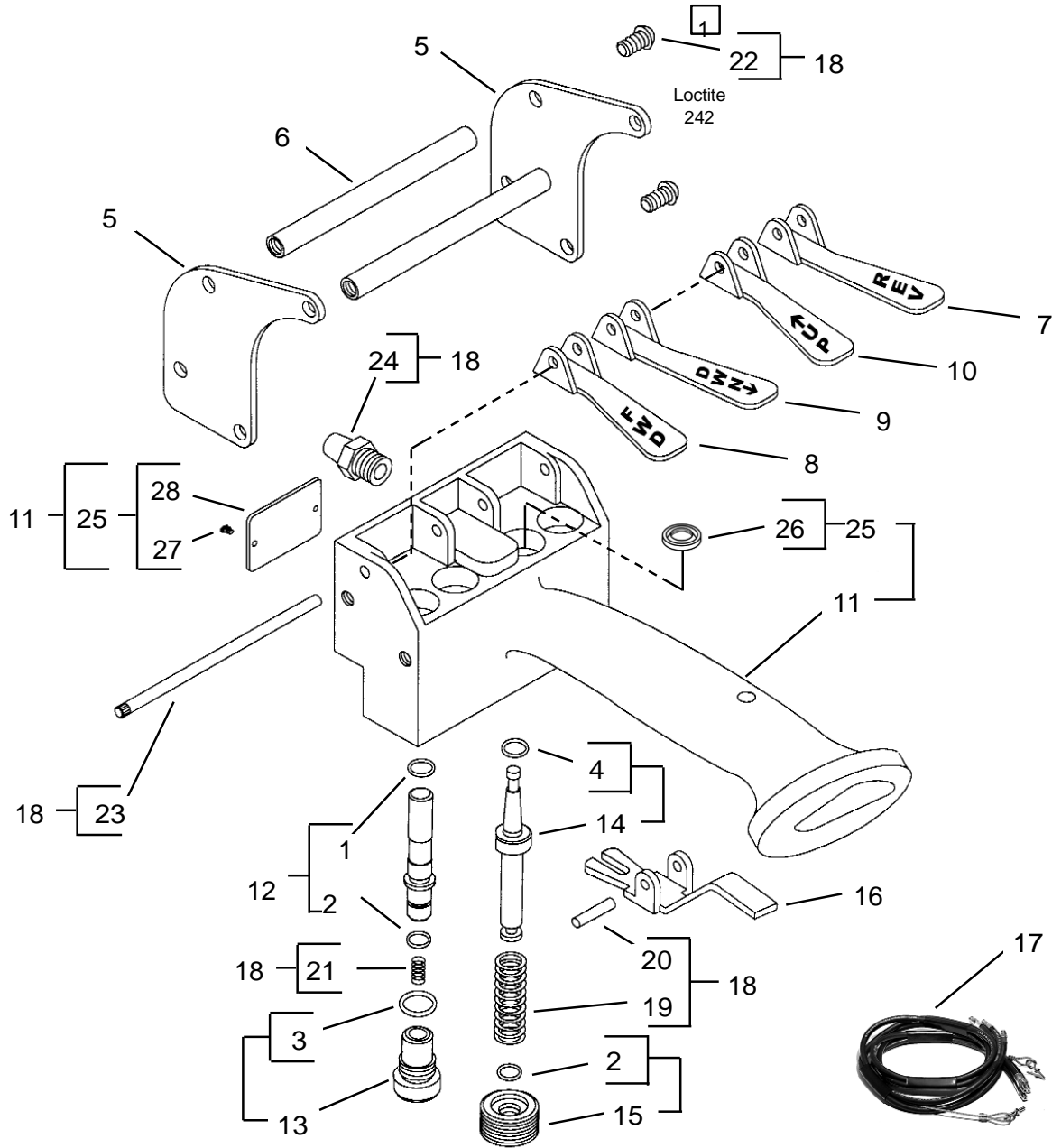
Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

(·) : Service Kit: # 543630 - PC Handle O-Ring Kit / Service-Installationssatz: # 543630 - PC Handgriff-O-Ring Installationssatz/  
Kit De Service : # 543630 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543630 - Kit/ Del Anillo o De la Manija de la PC/  
Corredo Di Servizio: # 543630 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

Pendent Control Handle Assembly F

“R”

**539855 - 5 Lever Pendent Control Handle Assembly**  
(Free Wheel to Positive Drive: TA Tractor used with K5, K1, P1 & P2 Series Hoists)



1 See Service Notes

## Pendent Control Handle Assembly F (parts)

**Illustration "R" - 538855 - 5 Lever Pendent Control Handle Assembly, K5, K1, P1, & P2 with TA Series Hoistractor**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	4	4	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	1008127	5	5	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	60351	4	4	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
4	14221	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
5	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
6	539866	2		Spacer	Distanzstück	Entretoise	Espacidor	Distanziale
7	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
8	526268	1		Lever (FWD)	Hebel	Levier	Palanca	Leva
9	526277	1		Lever (UP)	Hebel	Levier	Palanca	Leva
10	526278	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
11	539413	1		Handle	Handgriff	Poignee	Manija	Impugnatura
12	539832	4		Valve	Ventil	Soupape	Valvula	Valvola
13	511610	4		Cap	Kappe	Chapeau	Tapa	Cappello
14	502149	1		Valve	Ventil	Soupape	Valvula	Valvola
15	502148	1		Bushing	Lagerbuchse	Douille	Casquillo	Boccola
16	502147	1		Lever	Hebel	Levier	Palanca	Leva
17	528220	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tube (1,5 M)
	528221	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tube (3,0 M)
	528222	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tube (4,6 M)
	528223	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tube (6,1 M)
18	543631	1		5 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
19	--	1	1	Spring	Druckfeder	Ressort	Resorte	Molla
20	--	1	1	Pin	Stift	Goujon	Pasador	Spina
21	--	4	4	Spring	Druckfeder	Ressort	Resorte	Molla
22	--	8		Screw	Gewindestift	Vis	Tornillo	Vite
23	--	1		Pin	Stift	Goujon	Pasador	Spina
24	--	1	1	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
25	543632	1		PC Handle Kit	Satz	Ensemble	Juego	Corredo
26	--	4	4	Seal	Dichtung	Sceau	Sello	Guarnizione
27	--	2		Screw	Gewindestift	Vis	Tornillo	Vite
28	--	1		Caution Plate	Achtungsschild	Plaque d' avertissement	Placa de instrucciones	Piastra di protezione

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /

Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationsatz, nicht vorhanden als unterschiedliches Einzelteil /

Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in

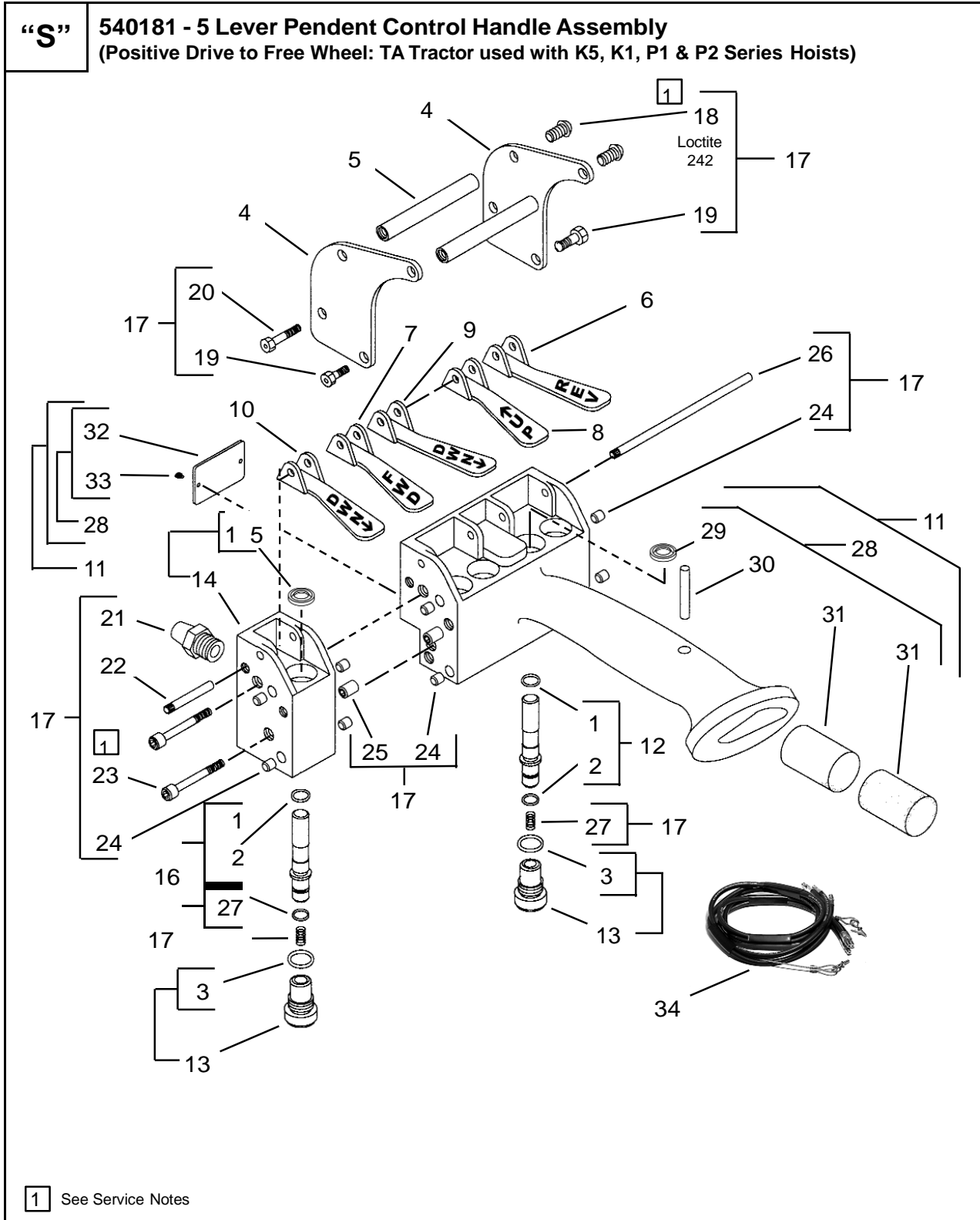
corredo, non disponibile come articolo separato

(·) : Service Kit: # 543633 - PC Handle O-Ring Kit / Service-Installationssatz: # 543633 - PC Handgriff-O-Ring Installationssatz/

Kit De Service : # 543633 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543633 - Kit/ Del Anillo o De la Manija de la PC/

Corredo Di Servizio: # 543633 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

### Pendent Control Handle Assembly G



### Pendent Control Handle Assembly G (parts)

**Illustration "S" - 540181 - 5 Lever Pendent Control Handle Assembly, Used with K5, K1, P1 & P2 Series Hoists**

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	504970	5	5	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	1008127	5	5	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	60351	5	5	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
4	539865	2		Side Plate	Seitliche Platte	Plaque de serrage	Placa lateral	Piastra laterale
5	540279	2		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
6	526267	1		Lever (REV)	Hebel	Levier	Palanca	Leva
7	526268	1		Lever (FWD)	Hebel	Levier	Palanca	Leva
8	526277	1		Lever (UP)	Hebel	Levier	Palanca	Leva
9	526278	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
10	526276	1		Lever (DWN)	Hebel	Levier	Palanca	Leva
11	539412	1		Handle	Handgriff	Poignee	Manija	Impugnatura
12	539832	4		Valve - Std	Ventil	Soupape	Valvula	Valvola
13	511610	5		Cap	Kappe	Chapeau	Tapa	Cappello
14	539783	1		Block	Block	Bloc	Bloque	Blocco
15	539714	1	1	Seal	Dichtung	Sceau	Sello	Guarnizione
16	539809	1		Valve	Ventil	Soupape	Valvula	Valvola
17	543634	1		5 Lever PC Handle Kit	Satz	Ensemble	Juego	Corredo
18	--	4		Screw	Gewindestift	Vis	Tornillo	Vite
19	--	3		Screw	Gewindestift	Vis	Tornillo	Vite
20	--	1		Screw	Gewindestift	Vis	Tornillo	Vite
21	--	1	1	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
22	--	1		Pin	Stift	Goujon	Pasador	Spina
23	--	2		Screw	Gewindestift	Vis	Tornillo	Vite
24	--	8		Set Screw	Gewindestift	Vis	Tornilla	Vite
25	--	2		Set Screw	Gewindestift	Vis	Tornilla	Vite
26	--	1		Pin	Stift	Goujon	Pasador	Spina
27	--	5	5	Spring	Druckfeder	Ressort	Resorte	Molla
28	543626	1		PC Handle Kit				
29	--	4	4	Seal	Dichtung	Sceau	Sello	Guarnizione
30	--	1	1	Pin	Stift	Goujon	Pasador	Spina
31	--	2	2	Muffler	Auspufftopf	Silencieux	Silenciador	Silenziatore
32	--	1		Caution Plate	Achtungsschild	Plaque d'avertissement	Placa de instrucciones	Piastra di protezione
33	--	2		Screw	Gewindestift	Vis	Tornilla	Vite
34	528220	1		Hose (5ft.)	Schlauch (1,5 M)	Tuyau (1,5 M)	Manguera (1,5 M)	Tube (1,5 M)
	528221	1		Hose (10ft.)	Schlauch (3,0 M)	Tuyau (3,0 M)	Manguera (3,0 M)	Tube (3,0 M)
	528222	1		Hose (15ft.)	Schlauch (4,6 M)	Tuyau (4,6 M)	Manguera (4,6 M)	Tube (4,6 M)
	528223	1		Hose (20ft.)	Schlauch (6,1 M)	Tuyau (6,1 M)	Manguera (6,1 M)	Tube (6,1M)

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /

Designa el repuesto recomendado / Indique la pièce de rechange conseillée

(-): Sold in kit, not available as separate item / Verkauft im Installationssatz, nicht vorhanden als unterschiedliches Einzelteil /

Vendu dans le kit, non disponible en tant qu'article séparé / Vendido en el kit, no disponible como artículo separado / Venduto in corredo, non disponibile come articolo separato

(·) : Service Kit: # 543635 - PC Handle O-Ring Kit / Service-Installationssatz: # 543635 - PC Handgriff-O-Ring Installationssatz/

Kit De Service : # 543635 - Kit De Bague De Poignée de PC/ Kit Del Servizio: # 543635 - Kit/ Del Anillo o De la Manija de la PC/

Corredo Di Servizio: # 543635 - Corredo/ Dell'Anello a "cso" Della Maniglia del Pc

Free Wheeling Kit A

“T”

**Free Wheeling Kit:**  
(Free Wheeling to Positive Drive)

Drive Engagement Code: “G”

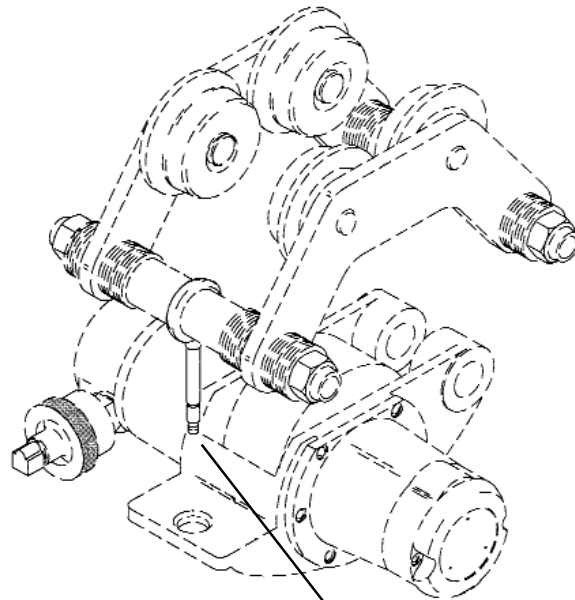
**EN: NOTE:** 3 or 5 lever pendent control handle assembly must be used.

**DE: ANMERKUNG:** muß pendent handgriff mit 3 oder 5 Hebeln Steuerbenutzt werden.

**FR: NOTE :** la poignée pendent de commande de 3 ou 5 leviers doit être utilisée.

**ES: NOTA:** el montaje maneta pendent de control de 3 o 5 palancas debe ser utilizado.

**IT: NOTA:** il complessivo pendent della manopola di comando delle 3 o 5 leve deve essere utilizzato.



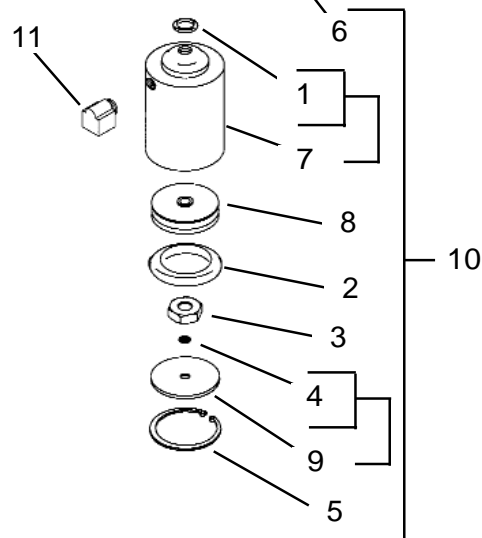
**EN: Free Wheel to Positive Drive:**  
The air supply must go from the pendent control handle assembly directly to air piston assembly.

**DE: Freies Rad zum positiven Antrieb:**  
Die Luftzufuhr muß vom pendent Steuerhandgriff direkt zum Luftkolben gehen.

**FR: Roue libre à la commande positive :**  
L'air doit aller de la poignée pendent de commande directement au piston d'air.

**ES: Rueda libre a la impulsión positiva:**  
El suministro de aire debe ir del montaje maneta pendent de control directamente al montaje del pistón del aire.

**IT: Rotella libera ad azionamento positivo:**  
La dotazione d'aria deve andare dal complessivo pendent della manopola di comando direttamente al complessivo del pistone dell'aria.



## Free Wheeling Kit A (parts)

### Illustration "T" - Free Wheeling to Positive Drive

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	60371	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	61076	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	C101G	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
4	17615	1	1	Screen	Bildschirm	Ecran	Cribe	Schermo
5	800070	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
6	61096	1		Rod	Stange	Tige	Varilla	Asta
7	A60703	1		Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
8	61097	1		Piston	Kolben	Piston	Embolo	Pistone
9	A61098	1		End Plate	Rotordeckel	Plaque d'extremite	Placa de extremo	Piattello finale
10	AA60703	1		Air Piston Assembly	Luftkolben	Piston pneumatique	Piston de aire	Pistone pneumatico
11	F511	1		Elbow 90°	Ellbogen	Coude	Codo	Curva

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée



### Free Wheeling Kit B

“U”

#### Free Wheeling Kit: (Positive Drive to Free Wheeling)

Drive Engagement Code: “P”

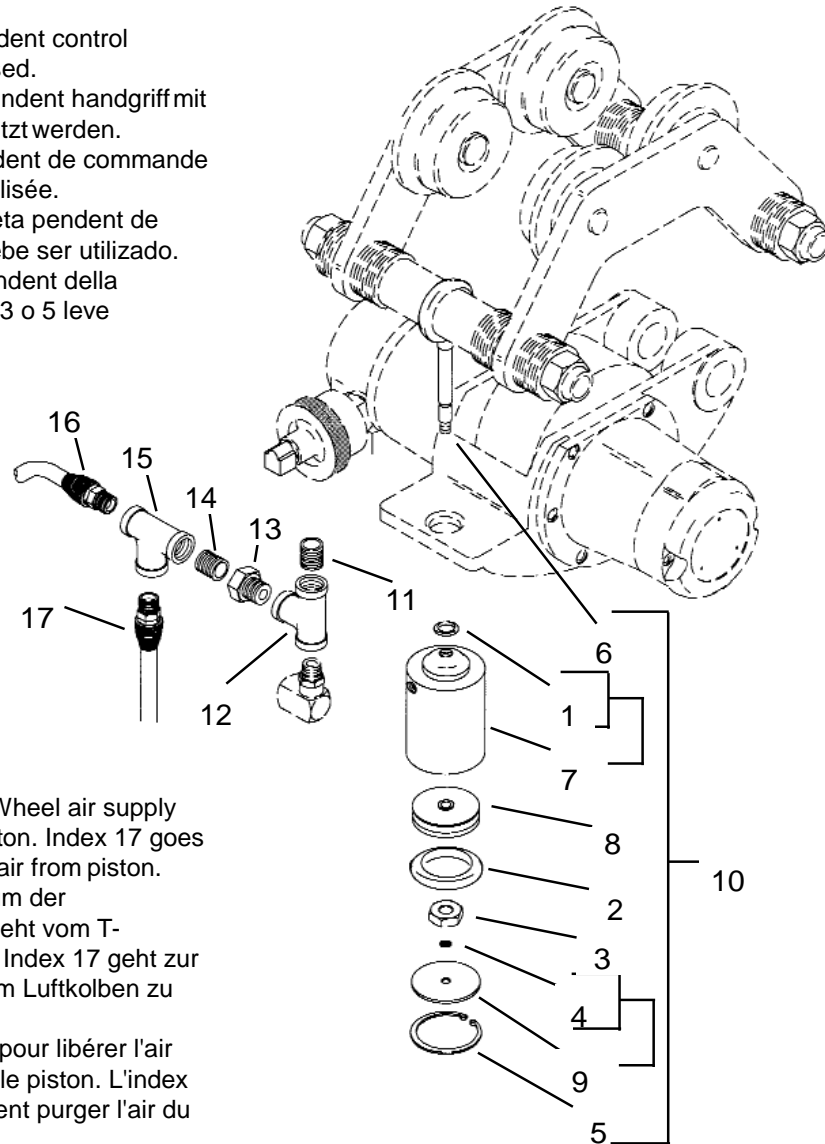
**EN: NOTE:** 3 or 5 lever pendent control handle assembly must be used.

**DE: ANMERKUNG:** muß pendent handgriff mit 3 oder 5 Hebeln Steuerbenutzt werden.

**FR: NOTE :** la poignée pendent de commande de 3 ou 5 leviers doit être utilisée.

**ES: NOTA:** el montaje maneta pendent de control de 3 o 5 palancas debe ser utilizado.

**IT: NOTA:** il complessivo pendent della manopola di comando delle 3 o 5 leve deve essere utilizzato.



**EN:** Positive Drive to Free Wheel air supply goes from T-fitting to air piston. Index 17 goes to pendent control to bleed air from piston.

**DE:** Der positive Antrieb, zum der Radluftzufuhr freizugeben geht vom T-Beschlag, Kolben zu lüften. Index 17 geht zur pendent Steuerung, Luft vom Luftkolben zu bluten.

**FR:** La commande positive pour libérer l'air de roue va du t-fitting aérer le piston. L'index 17 va à la commande pendent purger l'air du piston d'air.

**ES:** La impulsión positiva para liberar el suministro de aire de la rueda va de t-fitting a ventilar el pistón. El índice 17 va al control pendent a eliminar el aire del pistón del aire.

**IT:** L'azionamento positivo per liberare la dotazione d'aria della rotella va dal t-fitting ventilare il pistone. L'indice 17 va a controllo pendent spurgare l'aria dal pistone dell'aria.

## Free Wheeling Kit B (parts)

### Illustration "U" - Positive Drive to Free Wheeling

Index	Number	#	.	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	60371	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	61076	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	C101G	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
4	17615	1	1	Screen	Bildschirm	Ecran	Cribe	Schermo
5	800070	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
6	61096	1		Rod	Stange	Tige	Varilla	Asta
7	A60703	1		Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
8	61097	1		Piston	Kolben	Piston	Embolo	Pistone
9	A61098	1		End Plate	Rotordeckel	Plaque d'extremite	Placa de extremo	Piattello finale
10	AA60703	1		Air Piston Assembly	Luftkolben	Piston pneumatique	Piston de aire	Pistone pneumatico
11	F516	1		Nipple - 1/8 NPT	Nippel	Mamelon	Niple	Nipplo
12	F578	1		Tee	T-Stuck	Te	Tubo en T	Derivazione a T
13	60910	1		Orifice	Offnung	Orifice	Orificio	Orifizio
14	F514	1		Nipple - 1/8 NPT	Nippel	Mamelon	Niple	Nipplo
15	F507	1		Tee	T-Stuck	Te	Tubo en T	Derivazione a T
16	527482	1		Hose	Schlauch	Tuyau	Manguera	Tubo

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la pièce de rechange conseillée

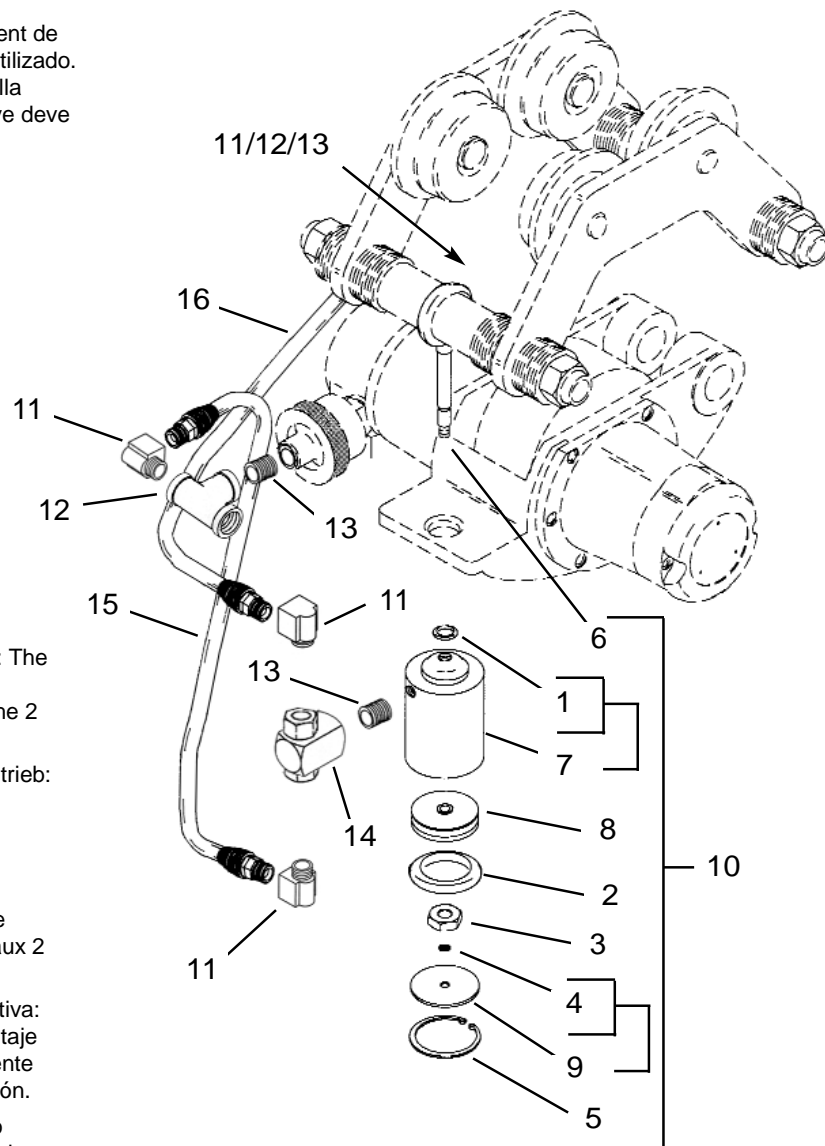
### Free Wheeling Kit C

“V”

#### Free Wheeling Kit: (Free Wheeling to Positive Drive)

Drive Engagement Code: “F”

**EN: NOTE:** 2 or 4 lever pendent control handle assembly must be used.  
**DE: ANMERKUNG:** muß pendent handgriff mit 2 oder 4 Hebeln Steuerbenutzt werden.  
**FR: NOTE :** la poignée pendent de commande de 2 ou 4 leviers doit être utilisée.  
**ES: NOTA:** el montaje maneta pendent de control de 2 o 4 palancas debe ser utilizado.  
**IT: NOTA:** il complessivo pendent della manopola di comando delle 2 o 4 leve deve essere utilizzato.



**EN:** Free Wheeling to Positive Drive: The air supply must go from the pendent control handle assembly directly to the 2 actuating piston T-fittings.

**DE:** Freies Drehen zum positiven Antrieb: Die Luftzufuhr muß vom pendent Steuerhandgriff direkt zu den 2 Steuerkolbent-Beschlägen gehen.

**FR:** Roulement libre à la commande positive : L'air doit aller de la poignée pendent de commandedirectement aux 2 t-fittings de piston de travail.

**ES:** El rodar libre a la impulsión positiva: El suministro de aire debe ir del montaje manetapendent de control directamente a los 2 t-fittings del pistón de actuación.

**IT:** Roteazione libera all'azionamento positivo: La dotazione d'aria deve andare dal complessivo pendent della manopola di comando direttamente ai 2 t-fittings del pistone di attuazione.

## Free Wheeling Kit C (parts)

### Illustration "V" - Free Wheeling to Positive Drive

Index	Number	#	·	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	60371	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
2	61076	1	1	O-Ring	O-Ring	Anneau "O"	Anillo "O"	O-Ring
3	C101G	1	1	Nut	Mutter	Ecrou	Tuerca	Dado
4	17615	1	1	Screen	Bildschirm	Ecran	Cribe	Schermo
5	800070	1	1	Retaining Ring	Sicherungsring	Anneau de fixation	Anillo de retencion	Anello di fissaggio
6	61096	1		Rod	Stange	Tige	Varilla	Asta
7	A60703	1		Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
8	61097	1		Piston	Kolben	Piston	Embolo	Pistone
9	A61098	1		End Plate	Rotordeckel	Plaque d' extremite	Placa de extremo	Piattello finale
10	AA60703	1		Air Piston	Luftkolben	Piston pneumatique	Piston de aire	Pistone pneumatico
11	F511	4		Elbow 90%	Ellbogen	Coude	Codo	Curva
12	F507	2		Tee Fitting 1/8 NPT	T-Stuck	Te	Tubo en T	Derivazione a T
13	F514	3		Nipple - 1/8 NPT	Nippel	Mamelon	Niple	Niplo
14	526294	1		Shuttle Valve 1/8 NPT	Ventil	Soupape	Válvula	Valvola
15	A17122	1		Hose - 1/8 NPTx12"	Schlauch	Tuyau	Manguera	Tubo
16	A17128	1		Hose - 1/8 NPTx18"	Schlauch	Tuyau	Manguera	Tubo

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

· Recommended Spare Parts / Kennzeichnet empfohlenes / Identifica un particolare di ricambio raccomandato /

Designa el repuesto recomendado / Indique la pièce de rechange conseillée

Service Notes

1

- A** 14-18 In. Lbs. (1,6-2,0 Nm)
- B** 18-24 In. Lbs. (2,0-2,7 Nm)
- C** 34-39 In. Lbs. (3,8-4,4 Nm)
- D** 5-6 Ft. Lbs. (6,8-8,1 Nm)
- E** 6-7 Ft. Lbs. (8,1-9,5 Nm)
- F** 8-12 Ft. Lbs. (10,8-16,3 Nm)
- G** 11-12 Ft. Lbs. (14,9-16,3 Nm)
- H** 16-17 Ft. Lbs. (21,7-23,0 Nm)

Illustration "A"

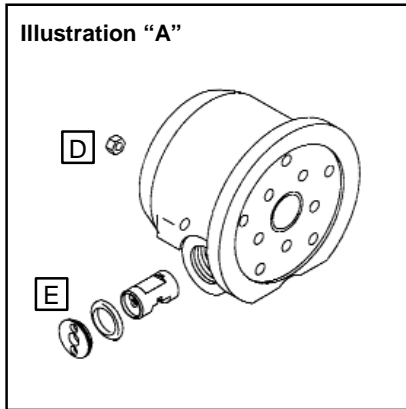


Illustration "C"

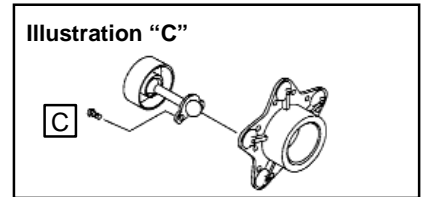


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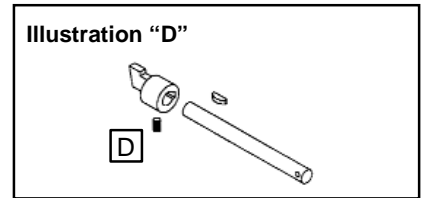
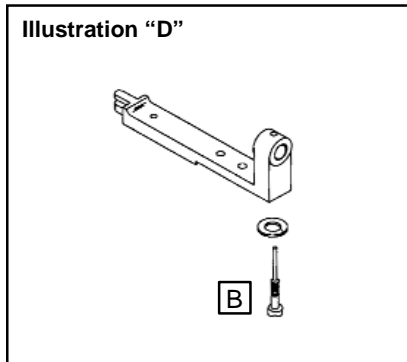
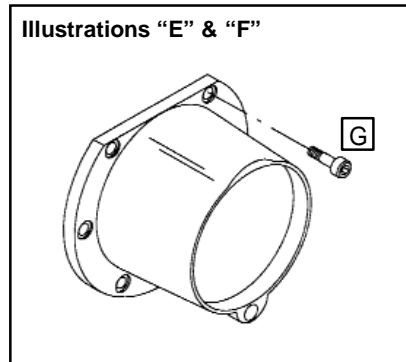


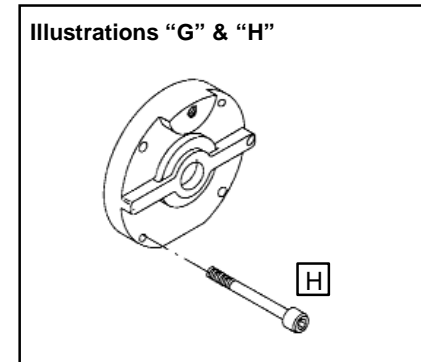
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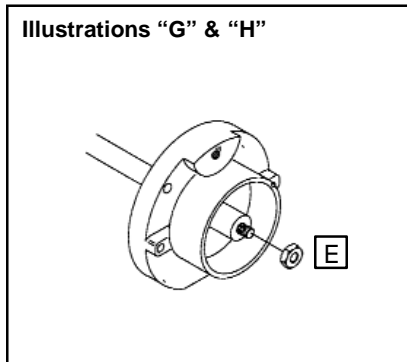
Illustrations "E" & "F"



Illustrations "G" & "H"



Illustrations "G" & "H"



Illustrations "G" & "H"

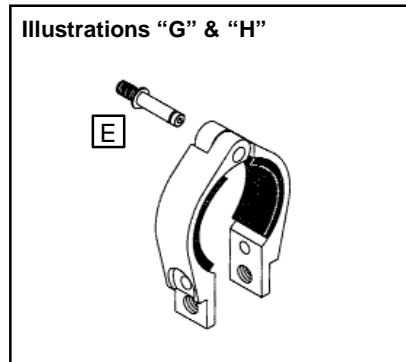


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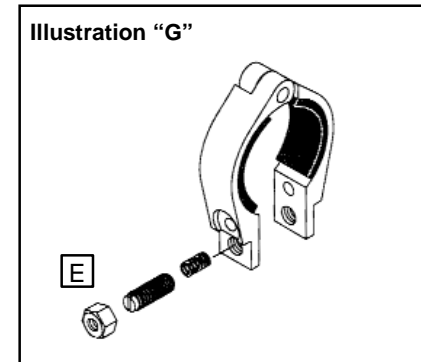
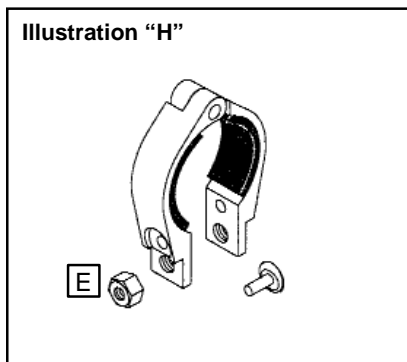


Illustration "H"



Illustrations "G" & "H"

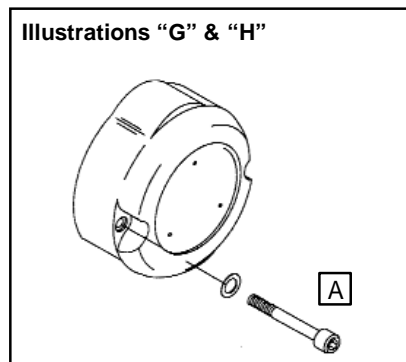
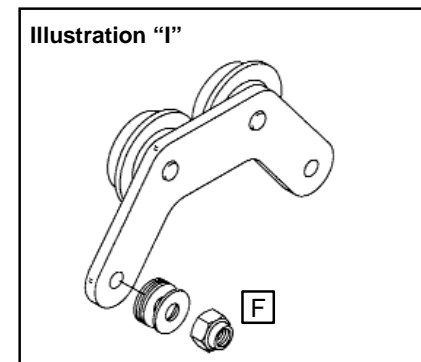
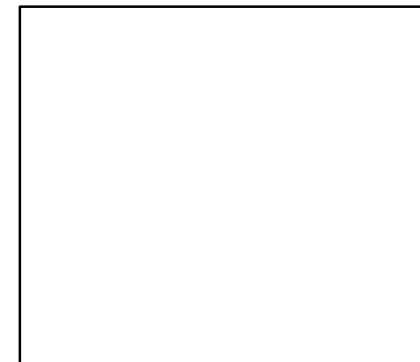
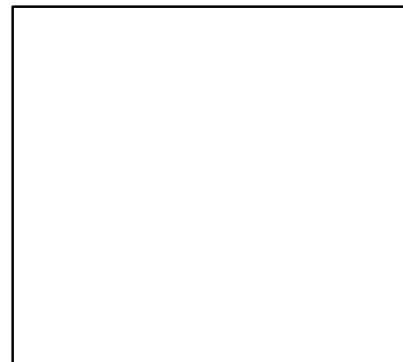
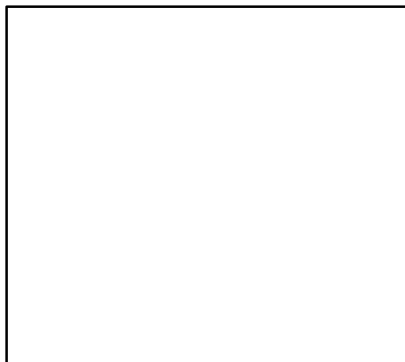
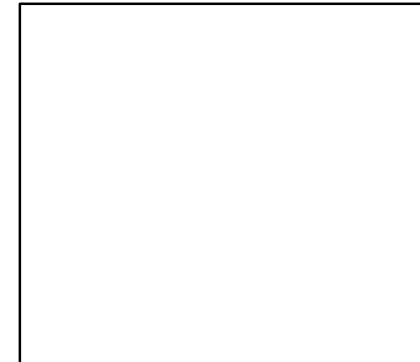
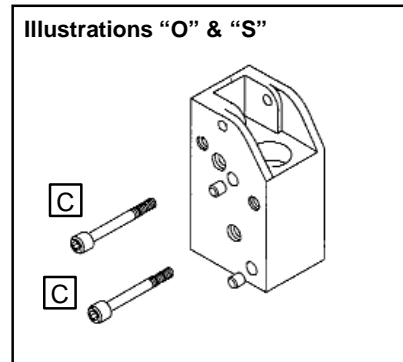
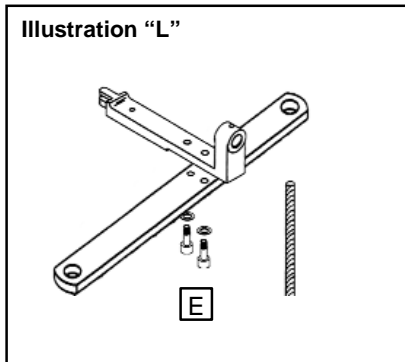
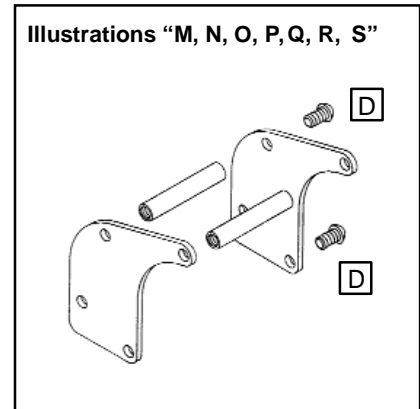
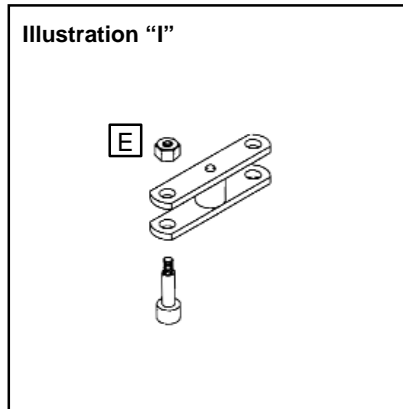


Illustration "I"



Service Notes (cont)

- 1**
- A** 14-18 In. Lbs. (1,6-2,0 Nm)
  - B** 18-24 In. Lbs. (2,0-2,7 Nm)
  - C** 34-39 In. Lbs. (3,8-4,4 Nm)
  - D** 5-6 Ft. Lbs. (6,8-8,1 Nm)
  - E** 6-7 Ft. Lbs. (8,1-9,5 Nm)
  - F** 8-12 Ft. Lbs. (10,8-16,3 Nm)
  - G** 11-12 Ft. Lbs. (14,9-16,3 Nm)
  - H** 16-17 Ft. Lbs. (21,7-23,0 Nm)



Service notes (cont)

**2 Illustrations "A" & "B"**

Delete  
Entfernen  
Supprimer  
Borrer  
Cancellato

Add  
Fügen Sie hinzu  
Ajoutez  
Agregue  
Aggiunga

**4 Illustration "A"**

**EN:** Assemble reversing valve with small notch as shown.  
**DE:** Bauen Sie das Aufheben des Ventils mit kleiner Kerbe zusammen, wie gezeigt.  
**FR:** Assemblez renverser la valve avec la petite entaille comme montrée.  
**ES:** Monte invertir la válvula con la muesca pequeña según lo demostrado.  
**IT:** Monti invertire la valvola con la piccola tacca come indicata.

**3 Illustration "A"**

**T28308**

1.171" ±0.005" (29,7mm ±0,127mm)

0.876" ±0.002" (22,25mm ±0,127mm)

3.0" (76,2mm)

7/32" Dowel Pin (2)  
5,6mm Spannstift (2)  
5,6mm Goujon (2)  
5,6mm Clavija (2)  
5,6mm Spina (2)

3/8" Dia. (9,5mm)

5.0" (127mm)

3/8" Dia. (9,5mm)

**EN:** Special tool to remove Valve Guide.  
**DE:** Spezialwerkzeug, zum des Ventil-Führers zu entfernen.  
**FR:** Outil spécial pour enlever le guide de valve.  
**ES:** Herramienta especial para quitar la guía de la válvula.  
**IT:** Utensile speciale per rimuovere la guida della valvola.

**5 Illustrations "A" & "C"**

**EN:** 3 Exhaust Ports  
**DE:** 3 Entkommen Sie Anschlüssen  
**FR:** 3 connexions d'échappement  
**ES:** 3 conexiones del escape  
**IT:** 3 collegamenti di evasione

**EN:** Low Stroke  
**DE:** Niedrige Position  
**FR:** Position basse  
**ES:** La Posición baja  
**IT:** La Posizione bassa

**6 Illustration "B"**

12

5

**7 Illustration "C"**

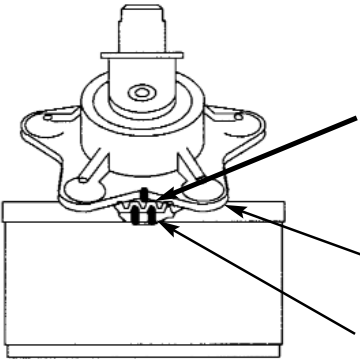
0.5" (12,7mm)

9

2

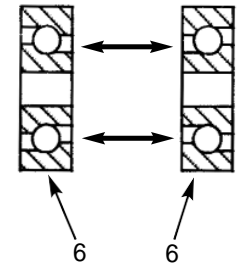
### Service Notes (cont)

**8** Illustration "C"



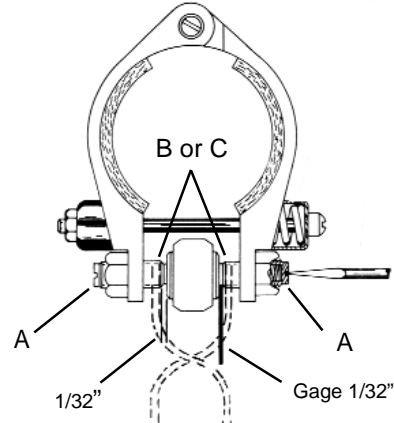
EN: Timing Marks  
DE: Einstellmarken  
FR: Marques de synchronisation  
ES: Marcas de sincronización  
IT: Marcature della distribuzione

**9** Illustration "C"



EN: Small diameters must be assembled as shown.  
DE: Kleine Durchmesser müssen zusammengebaut werden, wie gezeigt worden.  
FR: De petits diamètres doivent être assemblés comme montrés.  
ES: Los diámetros pequeños se deben montar según lo demostrado.  
IT: I piccoli diametri devono essere montati come indicati.

**10** Illustrations "G" & "H"



B or C  
A  
1/32"  
Gage 1/32"

Illustration "G" TATA04 . . .

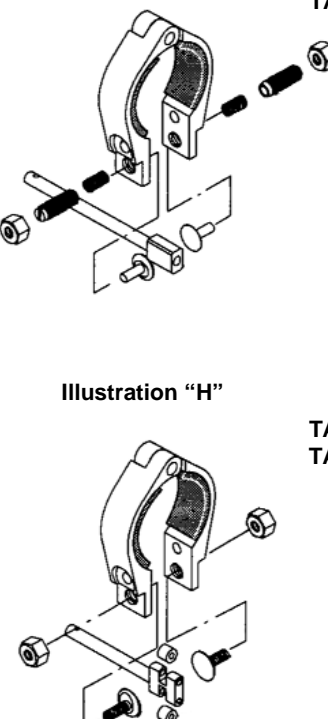


Illustration "H" TATA12 . . .  
TATA24 . . .

**EN:** Turn the adjusting screws (A) in until 1/32" clearance is obtained between end of adjusting screw & the plungers (B) or brake rod rollers (C) and then turn the adjusting screw another 1/4 turn. As the brake wears, it should be readjusted. If this adjustment causes sudden stops and starts, tighten the adjusting screws equally to suit the operating conditions. Tightening the screws will release the brake tension.

**DE:** Drehung weiter anziehen. Die Bremse sollte mit der Abnutzung nachgestellt werden. Die Stellachrauben gemäß den Betriebsbedingungen gleichmäßig anziehen, falls diese Einstellung zum plötzlichen Anhalten und Anfahren führt. Durch Anzug der Schrauben wird der Bremsdruck entlastet.

**FR:** Tourner les vis de réglage (A) jusqu'à ce que les plongeurs se mettent en contact avec la tige de frein (B) ou les rouleaux de la tige de frein (C) puis tourner la vis de réglage d'un autre quart de tour. Lorsque le frein s'use, il devrait être rajusté. Si cet ajustement cause des arrêts et des démarrages brusques, serrer les vis de réglage également pour accommoder les conditions de fonctionnement. Le serrage des vis relâchera la tension du frein.

**ES:** Gire los tornillos de ajuste (A) hacia adentro hasta que la pieza de presión haga contacto con la varilla de freno (B) o con los rodillos de la varilla de freno (C) y luego gire los tornillos de ajuste 1/4 de giro más. A medida que el freno se desgasta debe ser reajustado. Si este ajuste causa paradas y arranques repentinos, apriete los tornillos de ajuste equitativamente para ajustarse a las condiciones de operación. Al apretar los tornillos se liberará la tensión del freno.

**IT:** Girare le viti di registrazione (A) fino al contatto dei pistoni con l'asta del freno (B) o i relativi rulli (C). Girare le viti di registrazione un altro 1/4 di giro. Quando i freni mostrano segni di usura, è necessario registrarli. Se a seguito della registrazione si presentano avvii o fermate brusche, fissare le viti di registrazione in uguale misura, secondo le condizioni operative. Il fissaggio delle viti consente il rilascio della tensione del freno.



**FOR QUESTIONS, TECHNICAL AND WARRANTY SUPPORT:**

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Fax: 262-796-1194  
[www.gdhoist.com](http://www.gdhoist.com)

