

STAR

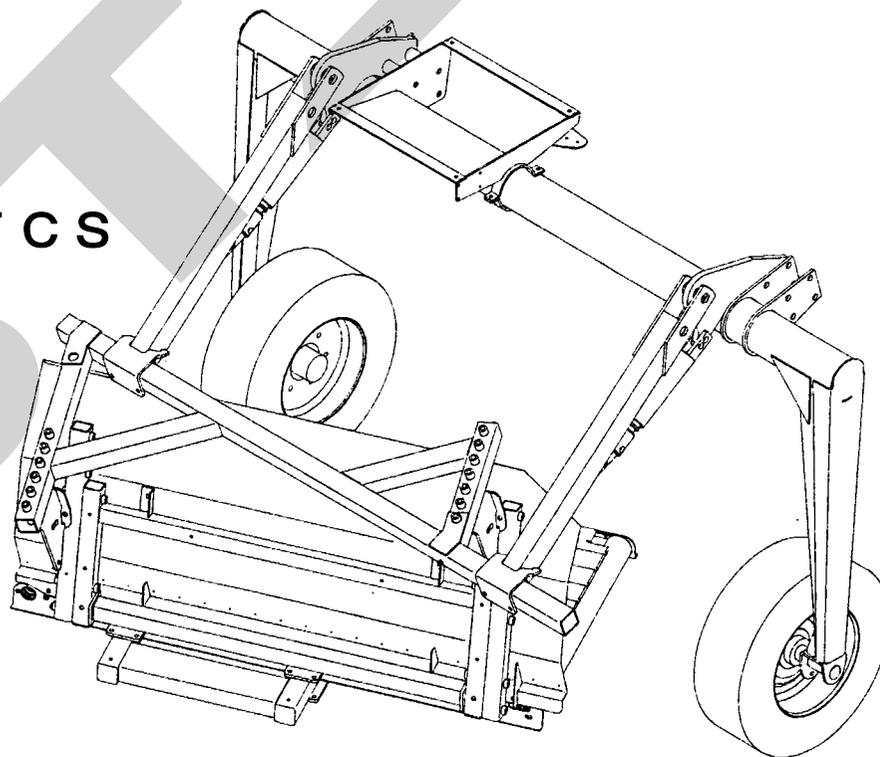
モータコンディショナ スワーマーユニット 部品表

製品コード

K44063

型式

SMA5321TCS



スター農機株式会社

STARR

NL:

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I:

Tutti i diritti di autore riservati. L'utilizzazione, anche parziale, del presente manuale, in particolare la ristampa, la traduzione, la riproduzione mediante microfilm, micro- e macroschede, come pure la memorizzazione e/o elaborazione tramite impianti elettronici, videosistemi e sistemi CD compresi, è ammessa solo se autorizzata preventivamente dall'autore per iscritto.

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N:

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AANHAALMOMENTEN/TORQUES/ANZUGSMOMENTE/COUPLES DE SERRAGE/PARES DE APRIETE/ I MOMENTI TORCENTI/ÅTDRAGNINGSMOMENT/MOMENTER/ TILTREKKINGSMOMENTER

- NL** Richtlijnen voor aanhaalmomenten (in Nm) voor zelfborgende moeren, zeskantbouten en moeren. **GB** Directives for torques (in Nm) for self-locking nuts, hexagonal bolts and nuts.
D Richtlinien für Anzugsmomente (in Nm) für selbstsichernde Muttern, Sechskantschrauben und muttern. **F** Directives relatives aux couples de serrage (en Nm) pour les écrous à auto-blocage, les boulons à six et les écrous.
ES Directrices para los pares de apriete (en Nm) para tuercas autoblocantes, tornillos hexagonales y tuercas. **I** Linee guida riguardanti i momenti torcenti (espressi in Nm) per dadi autobloccanti, bulloni esagonali e dadi.
S Riktlinjer för åtdragningsmoment (i Nm) för självlåsand bultar, sexkantsbultar och muttrar. **DK** Retningslinier for momenter (i Nm) for selvlåsende møtrikker, hexagon bolte og møtrikker.
N Retningslinjer for tiltrekkingsmomenter (i Nm) for selvlåsende mutre, sekskantskruer og mutre.

| KWALITEIT/QUALITY/QUALITÄT QUALITÉ/CALIDAD/QUALITÀ/KVALITET | 4.6 | | 8.8 | | 10.9 | | 12.9 | |
|--|------|------|------|------|------|------|------|------|
| | 0,10 | 0,13 | 0,10 | 0,13 | 0,10 | 0,13 | 0,10 | 0,13 |
| Wrijving/Friction/Reibung/Frottement/ Fricción/Frizione/Friktion/Friksjon * | | | | | | | | |
| Schroefdraad/Thread/Gewinde/Filetage Rosca/Filettatura/Gänga/Størrelse/ Gjenger | | | | | | | | |
| M5 | 1,7 | 2 | 5 | 6 | 7 | 9 | 8 | 10 |
| M6 | 3 | 4 | 9 | 10 | 13 | 15 | 15 | 18 |
| M8 | 8 | 9 | 21 | 25 | 31 | 36 | 36 | 42 |
| M10 | 16 | 19 | 40 | 50 | 60 | 70 | 70 | 85 |
| M12 | 27 | 32 | 70 | 85 | 105 | 120 | 120 | 145 |
| M14 | 42 | 50 | 115 | 135 | 165 | 195 | 195 | 230 |
| M16 | 65 | 76 | 175 | 210 | 260 | 300 | 300 | 350 |
| M18 | 90 | 110 | 250 | 290 | 350 | 420 | 410 | 490 |
| M20 | 125 | 150 | 350 | 420 | 500 | 600 | 580 | 700 |
| M22 | 170 | 200 | 470 | 560 | 670 | 800 | 780 | 930 |
| M24 | 210 | 250 | 600 | 710 | 860 | 1020 | 1000 | 1180 |

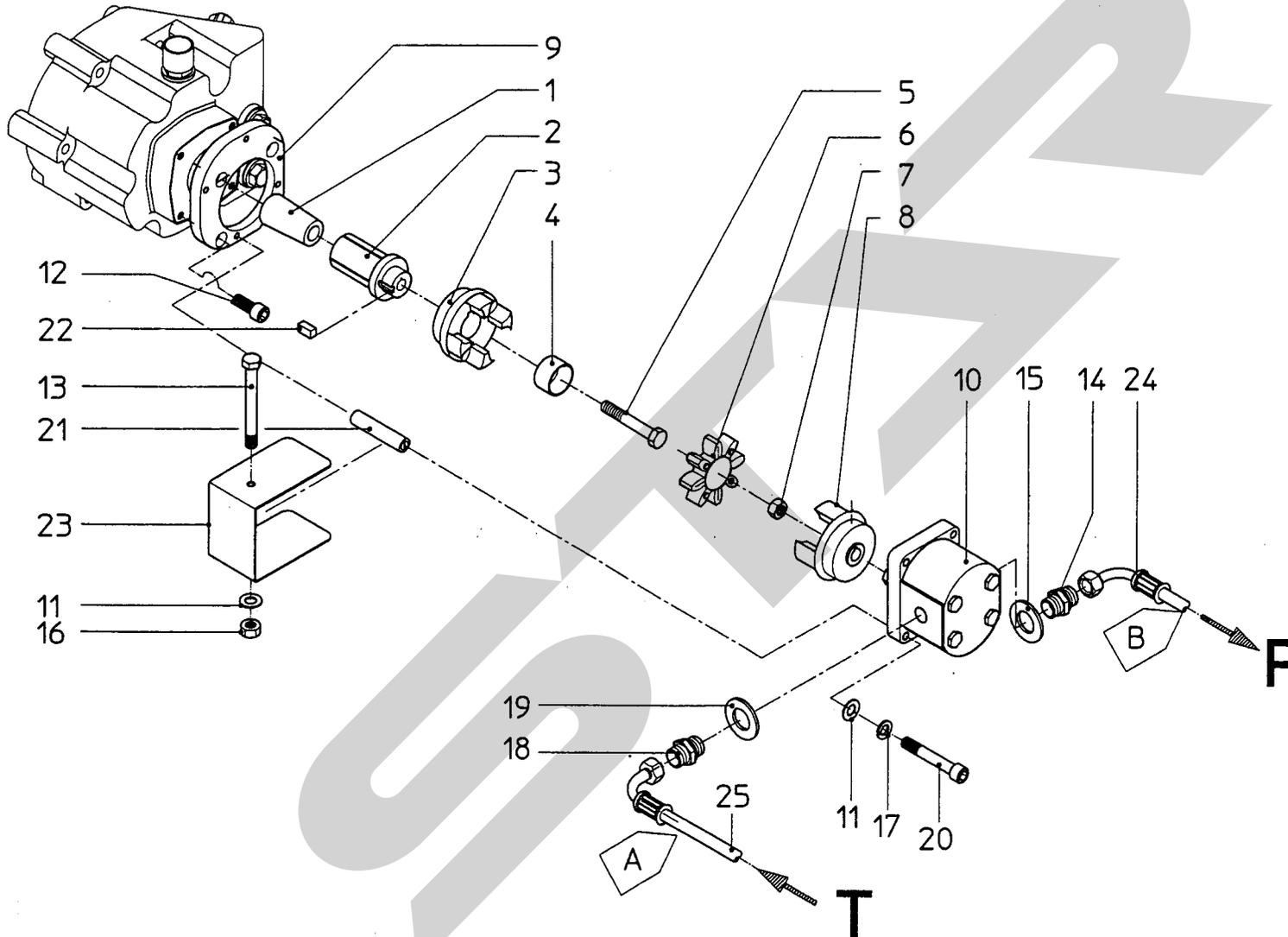
- * **NL** De wrijvingscoëfficiënt van 0,10 geldt voor geoliede plaat, gietijzer, geharde vlakken, vette schroefdraad, etc. De hogere waarde van 0,13 geldt voor een droge plaat. Uitzonderingen op deze tabel zijn vermeld in het onderdelen- en/of instructieboek. Aanhaalmomenten voor bouten en moeren met gekartelde onderkant, zoals Tensilock en Whizlock, 10% extra.
- * **GB** The friction coefficient of 0.10 applies to oiled sheet, cast iron, hardened surfaces, greasy thread, etc. The higher value of 0.13 applies to dry sheet. Exceptions to this table are stated in the parts- and /or instruction manual. Torques for bolts and nuts with a knurled underside, like Tensilock and Whizlock, 10% extra.
- * **D** Der Reibungskoeffizient von 0,10 gilt für geölte Flächen, Gußeisen, gehärtete Flächen, gefettetes Gewinde usw. Der höhere Wert von 0,13 gilt für trockene Flächen. Ausnahmen zu dieser Tabelle sind im Ersatzteilhaft und/oder in der Betriebsanleitung. Anzugsmomente für Schrauben und Muttern mit gerändelter Unterseite, wie Tensilock und Whizlock, zuzüglich 10% extra.
- * **F** Le coefficient de frottement de 0,10 s'applique aux surfaces huilées, à la fonte, aux surfaces trempées, aux filetages graissés etc. Le coefficient de 0,13 aux surfaces sèches. Les exceptions à ce tableau sont mentionnées dans la nomenclature des pièces et/ou dans le manuel d'emploi. Ajoutez 10% pour les boulons et écrous à partie inférieure crénelée, comme les Tensilock et les Whizlock.
- * **ES** El coeficiente de fricción de 0,10 es indicado para planchas lubricadas, hierro fundido, superficies endurecidas, rosca grasienta, etc. El valor más alto de 0,13 es para planchas secas. Las excepciones a este cuadro se mencionan en el libro de repuestos y/o manual de instrucciones. Los pares de apriete para tonillos y tuercas con cara inferior dentada, como los Tensilock y Whizlock, 10% extra.
- * **I** Il coefficiente di frizione pari a 0,10 si riferisce a superfici oliate, alla ghisa, a superfici temprate, a filettature spesse ecc. Il valore più alto, pari a 0,13, si riferisce a superfici asciutte. Tutte le eccezioni a quanto riportato in questa tabella, si trovano nel libretto dei pezzi o nel libretto delle istruzioni. I momenti torcenti per bulloni e dadi la cui parte inferiore è zigrinata, come i Tensilock (K 100) e Whizlock, sono superiori del 10%.
- * **S** Friktionskoefficienten 0,10 gäller oljad plåt, gjutjärn, hårdade ytor, smorda gängor etc. Det högre värdet 0,13 gäller torr plåt. Undantag från denna tabell anges i reservdels- och/eller instruktionsboken. Åtdragningsmoment för räfflade bultar och muttrar, som Tensilock och Whizlock 10% extra.
- * **DK** Friktionskoefficienten på 0,10 gælder for smurte flader, støbejern, hærdeede overflader, fedtholdige gevind etc. Den højere værdi på 0,13 gælder for tørre flader. Undtagelser til tabellen er angivet i reservedels- og/eller instruktionsbog. Når det drejer sig om momenter for bolte og møtrikker med en riflet underside, som Tensilock (K100) og Whizlock, skal der tilføjes 10% ekstra.
- * **N** Friksjonskoeffisienten på 0,10 gjelder for smurt plate, støpejern, herdede flater, innfettete gjenger etc. Den høyere verdien på 0,13 gjelder for tørr plate. Unntak fra denne tabellen er angitt i deleboken og/eller i instruksjonsboken. Tiltrekkingsmomenter for skruer og mutre med riflet underkant, som Tensilock (K100) og Whizlock 10% tillegg.

serial number 27394

G1

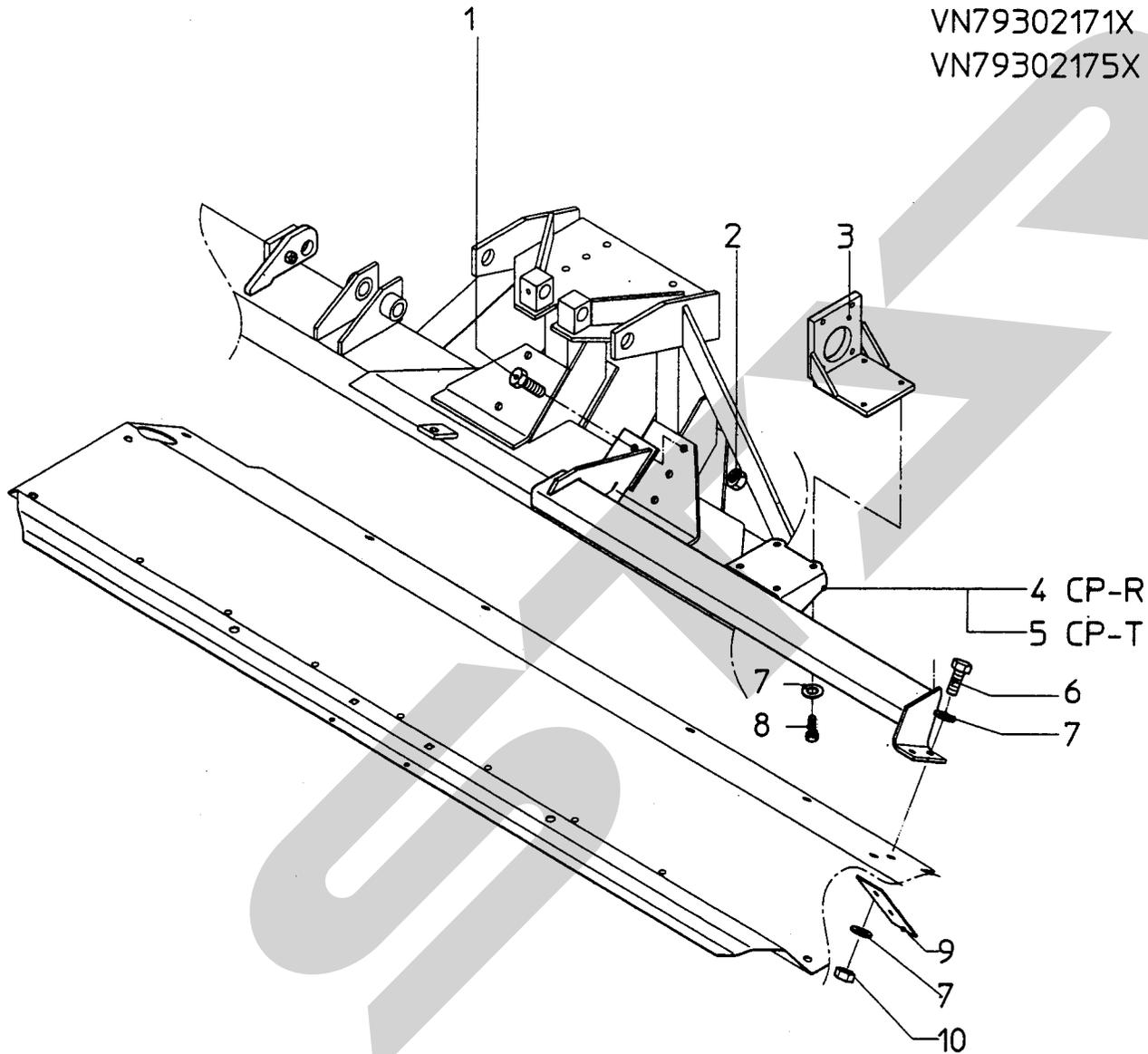
SB2004

VN79302170X



| bestellnummer ordernumber num. a commander Bestellnummer | | VN79302170X1 | |
|---|------------|--------------|----------------|
| 1 | VNB2686593 | 1 | |
| 2 | VNB2686693 | 1 | |
| 3 | VNB2931986 | 1 | |
| 4 | VNB2932693 | 1 | |
| 5 | VN30270290 | 1 | 8.8-M12x90 |
| 6 | VNB2932778 | 1 | |
| 7 | VN30571201 | 1 | 8/M12x1.5 |
| 8 | VNB2837986 | 1 | |
| 9 | VNB2686493 | 1 | |
| 10 | VNB2933878 | 1 | |
| 11 | VN31461800 | 5 | 8,4 |
| 12 | VN30361825 | 4 | 12.9-M8x25 |
| 13 | VN30270811 | 1 | 8.8-M8x110 |
| 14 | VN38820149 | 1 | S-GEV-15LR |
| 15 | VN36510050 | 1 | Multiseal 1/2" |
| 16 | VN30575800 | 1 | 8/M8/Nyloc |
| 17 | VN31467800 | 4 | A8 |
| 18 | VN38820241 | 1 | AL22-R3/4" |
| 19 | VN36510051 | 1 | Multiseal 3/4" |
| 20 | VN30361811 | 4 | 12.9-M8x110 |
| 21 | VNB2686393 | 4 | |
| 22 | VNB2687302 | 1 | |
| 23 | VNB2886986 | 1 | |

| | | | |
|----|------------|---|-----------------|
| 24 | VNB3616178 | 1 | 1/2"-l=1800 [B] |
| 25 | VNB3662078 | 1 | 3/4"-l=1580 [A] |



VN79302171X = R
 VN79302175X = T

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 num a commander
 Bestellnummer

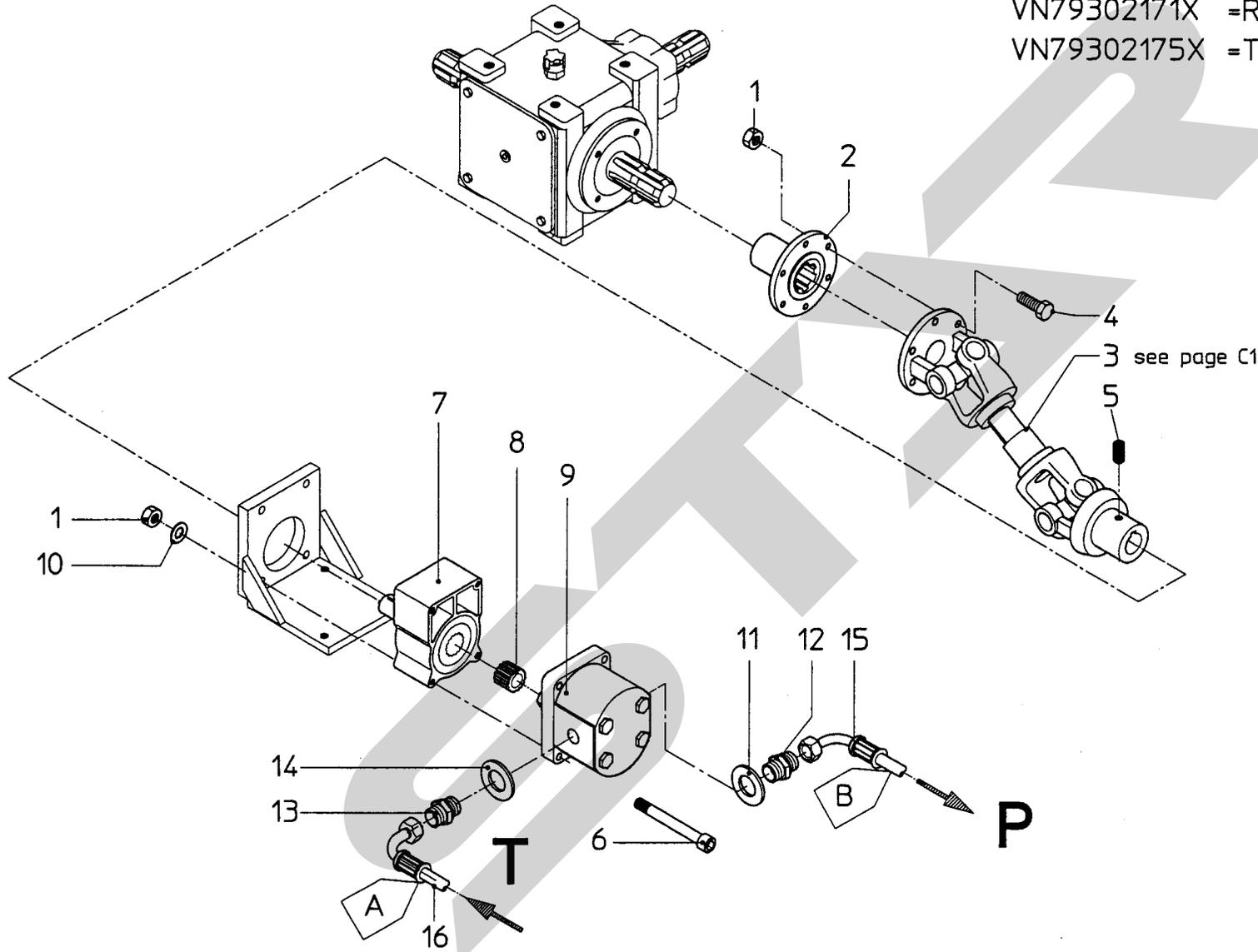
| | | VN79302171X | VN79302175X | |
|----|------------|-------------|-------------|-------------|
| 1 | VN30270250 | 2 | 2 | 8.8-M12x50 |
| 2 | VN30575200 | 2 | 2 | 8/M12/Nyloc |
| 3 | VNB2160986 | 1 | 1 | |
| 4 | VNB2933586 | 1 | | CP-R |
| 5 | VNB3331286 | 1 | | CP-T |
| 6 | VN30271135 | 2 | 2 | 8.8-M10x35 |
| 7 | VN31461100 | 8 | 8 | 10.5 |
| 8 | VN30271120 | 4 | 4 | 8.8-M10x20 |
| 9 | VNB2189586 | 1 | 1 | |
| 10 | VN30575100 | 2 | 2 | 8/M10/Nyloc |

serial number 27394

G3

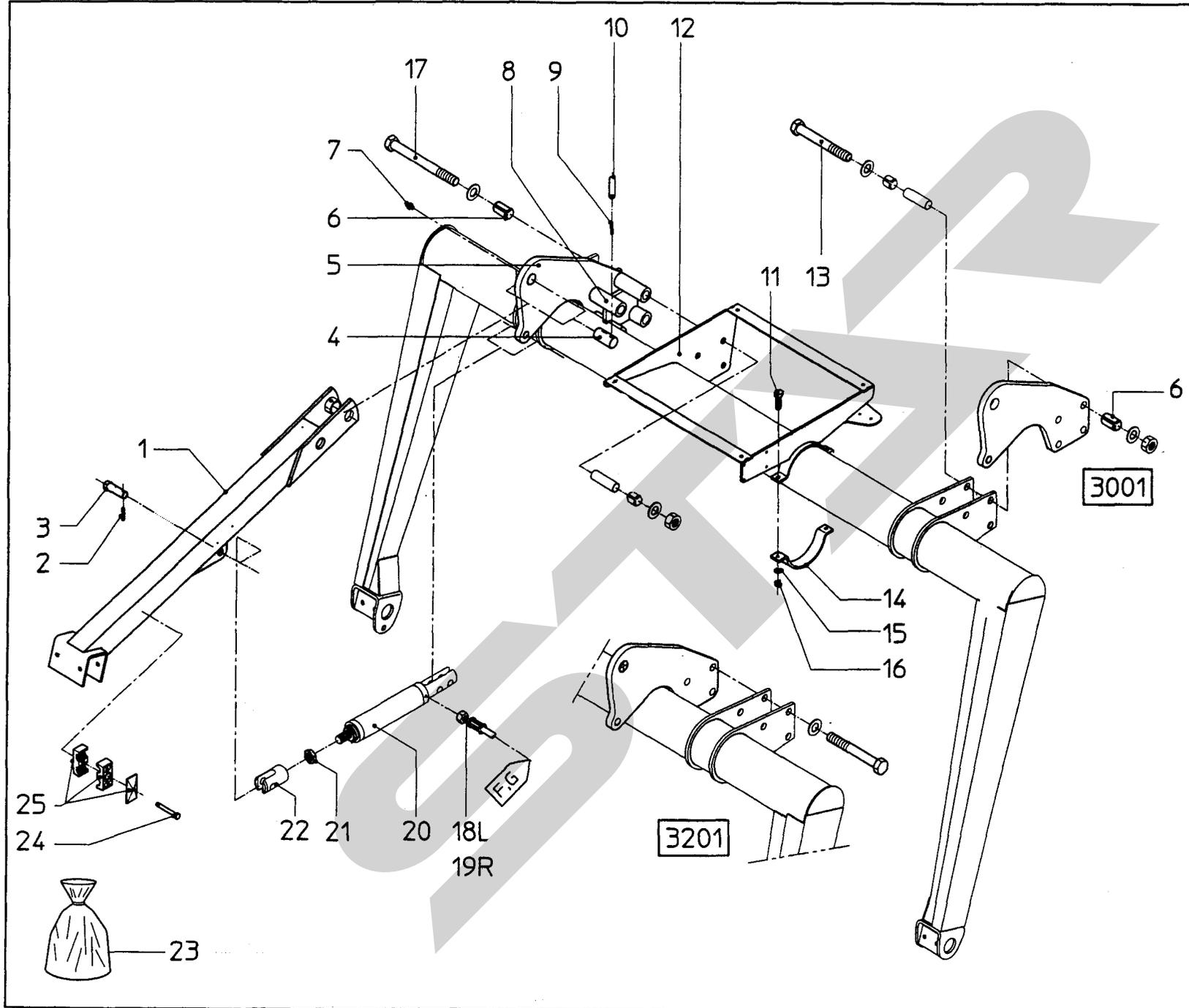
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VN79302171X =R
 VN79302175X =T



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 ordernumber
 num. a commander
 Bestellnummer

| | | | |
|----|-------------|----|-----------------|
| | VN79302171X | 1 | |
| | VN79302175X | 1 | |
| 1 | VN30575800 | 10 | 8/M8/Nyloc |
| 2 | VNB2933978 | 1 | |
| 3 | VN46120081 | 1 | |
| 4 | VN30271830 | 6 | 8.8-M8x30 |
| 5 | VN30301112 | 1 | 14.9-M10x12 |
| 6 | VN30361801 | 4 | 12.9-M8x100 |
| 7 | VNB2249778 | 1 | |
| 8 | VNB2424993 | 1 | |
| 9 | VNB2933878 | 1 | |
| 10 | VN31461800 | 4 | 8,4 |
| 11 | VN36510050 | 1 | Multiseal 1/2" |
| 12 | VN38820149 | 1 | S-GEV-15LR |
| 13 | VN38820241 | 1 | AL22-R3/4" |
| 14 | VN36510051 | 1 | Multiseal 3/4" |
| 15 | VNB3616178 | 1 | 1/2"-L=1800 [B] |
| 16 | VNB3662078 | 1 | 3/4"-L=1580 [A] |

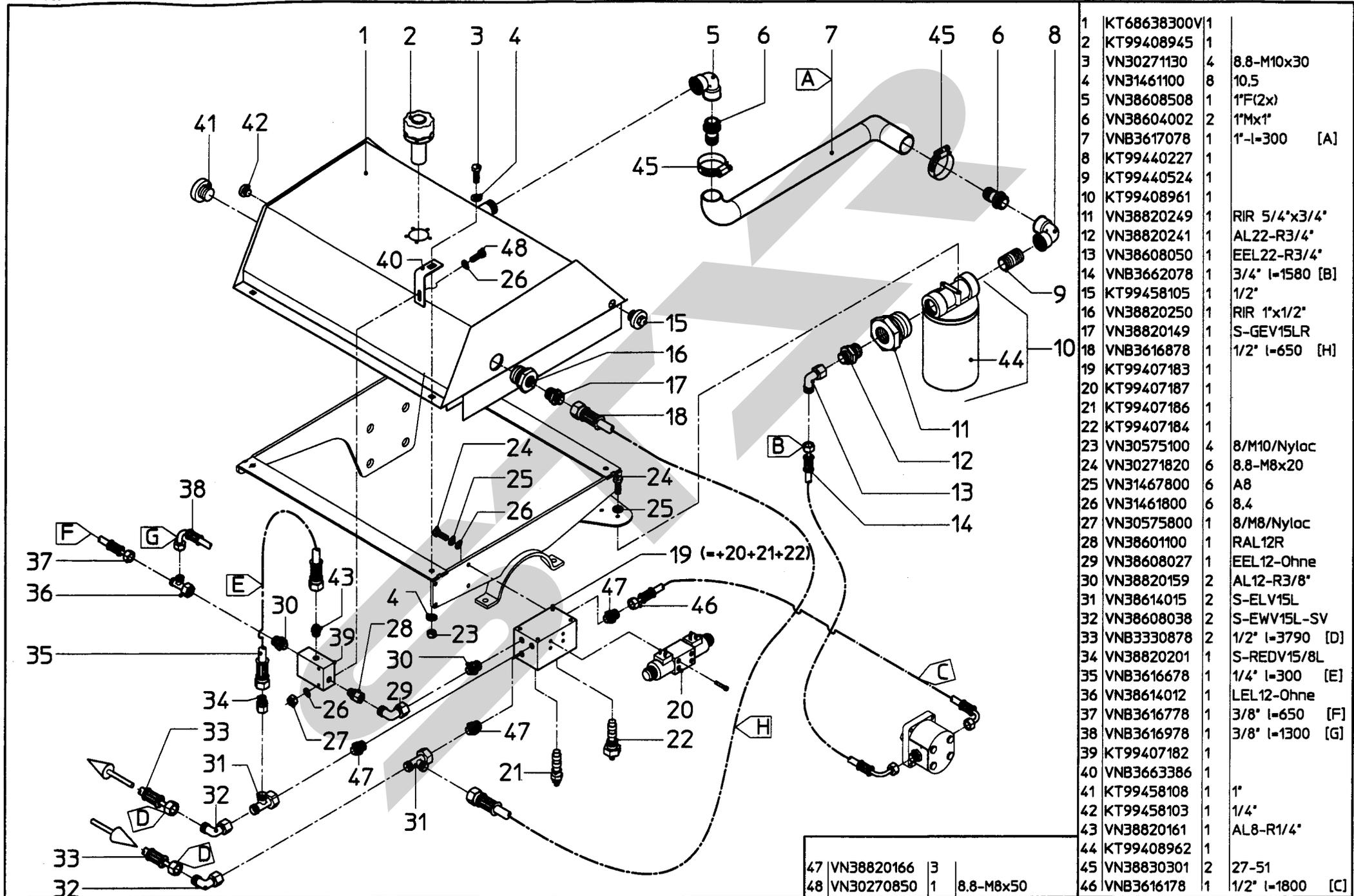


| bestellnummer | ordernumber | num. o commander | Bestellnummer |
|---------------|-------------|------------------|-----------------|
| 1 | VNB3005586 | 2 | |
| 2 | VN30853840 | 4 | 8x40 |
| 3 | VNB2627393 | 4 | |
| 4 | VNB2627493 | 2 | |
| 5 | VNB3005286 | 2 | |
| 6 | VN30804906 | 8 | 25x50 |
| 7 | VN41702600 | 6 | 5.8-AM6x1 |
| 8 | VNB2888886 | 1 | |
| 9 | VN30804855 | 2 | 8x55 |
| 10 | VN30803719 | 2 | 13x55 |
| 11 | VN30271140 | 2 | 8.8-M10x40 |
| 12 | VNB3616286 | 1 | |
| 13 | VN30270905 | 4 | 8.8-M20x180 |
| 14 | VNB2376986 | 1 | |
| 15 | VN31461100 | 2 | 10,5 |
| 16 | VN30575100 | 2 | 8/M10/Nyloc |
| 17 | VN30270947 | 4 | 8.8-M20x340 |
| 18 | VNB3616778 | 1 | 3/8" l=650 [F] |
| 19 | VNB3616978 | 1 | 3/8" l=1300 [G] |
| 20 | VNB2834778 | 2 | |
| 21 | VN30571930 | 2 | 8/M30 |
| 22 | VNB2853493 | 2 | |
| 23 | VNB2985978 | 1 | Sealkit |
| 24 | VN30270845 | 3 | 8.8-M8x45 |
| 25 | VN31903220 | 3 | Ø20(2x) |

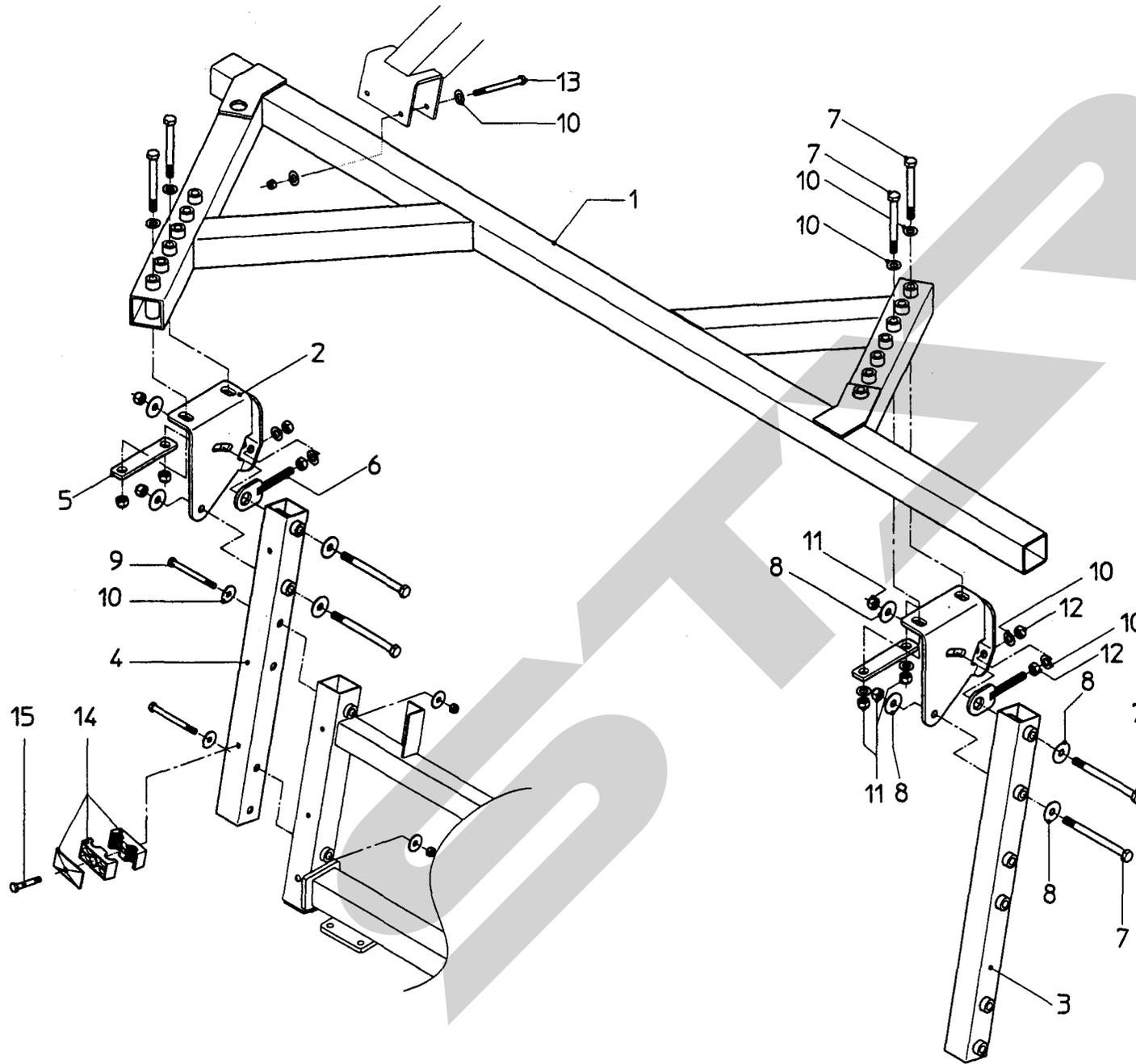
serial number 27294

G5

SB2004



| | | | |
|----|-------------|---|-----------------|
| 1 | KT68638300V | 1 | |
| 2 | KT99408945 | 1 | |
| 3 | VN30271130 | 4 | 8.8-M10x30 |
| 4 | VN31461100 | 8 | 10.5 |
| 5 | VN38608508 | 1 | 1°F(2x) |
| 6 | VN38604002 | 2 | 1"m x 1" |
| 7 | VNB3617078 | 1 | 1"-l=300 [A] |
| 8 | KT99440227 | 1 | |
| 9 | KT99440524 | 1 | |
| 10 | KT99408961 | 1 | |
| 11 | VN38820249 | 1 | RIR 5/4"x3/4" |
| 12 | VN38820241 | 1 | AL22-R3/4" |
| 13 | VN38608050 | 1 | EEL22-R3/4" |
| 14 | VNB3662078 | 1 | 3/4" l=1580 [B] |
| 15 | KT99458105 | 1 | 1/2" |
| 16 | VN38820250 | 1 | RIR 1"x1/2" |
| 17 | VN38820149 | 1 | S-GEV15LR |
| 18 | VNB3616878 | 1 | 1/2" l=650 [H] |
| 19 | KT99407183 | 1 | |
| 20 | KT99407187 | 1 | |
| 21 | KT99407186 | 1 | |
| 22 | KT99407184 | 1 | |
| 23 | VN30575100 | 4 | 8/M10/Nylac |
| 24 | VN30271820 | 6 | 8.8-M8x20 |
| 25 | VN31467800 | 6 | A8 |
| 26 | VN31461800 | 6 | 8.4 |
| 27 | VN30575800 | 1 | 8/M8/Nylac |
| 28 | VN38601100 | 1 | RAL12R |
| 29 | VN38608027 | 1 | EEL12-Ohne |
| 30 | VN38820159 | 2 | AL12-R3/8" |
| 31 | VN38614015 | 2 | S-ELV15L |
| 32 | VN38608038 | 2 | S-EWV15L-SV |
| 33 | VNB3330878 | 2 | 1/2" l=3790 [D] |
| 34 | VN38820201 | 1 | S-REDV15/8L |
| 35 | VNB3616678 | 1 | 1/4" l=300 [E] |
| 36 | VN38614012 | 1 | LEL12-Ohne |
| 37 | VNB3616778 | 1 | 3/8" l=650 [F] |
| 38 | VNB3616978 | 1 | 3/8" l=1300 [G] |
| 39 | KT99407182 | 1 | |
| 40 | VNB3663386 | 1 | |
| 41 | KT99458108 | 1 | 1" |
| 42 | KT99458103 | 1 | 1/4" |
| 43 | VN38820161 | 1 | AL8-R1/4" |
| 44 | KT99408962 | 1 | |
| 45 | VN38830301 | 2 | 27-51 |
| 46 | VNB3616178 | 1 | 1/2" l=1800 [C] |
| 47 | VN38820166 | 3 | |
| 48 | VN30270850 | 1 | 8.8-M8x50 |

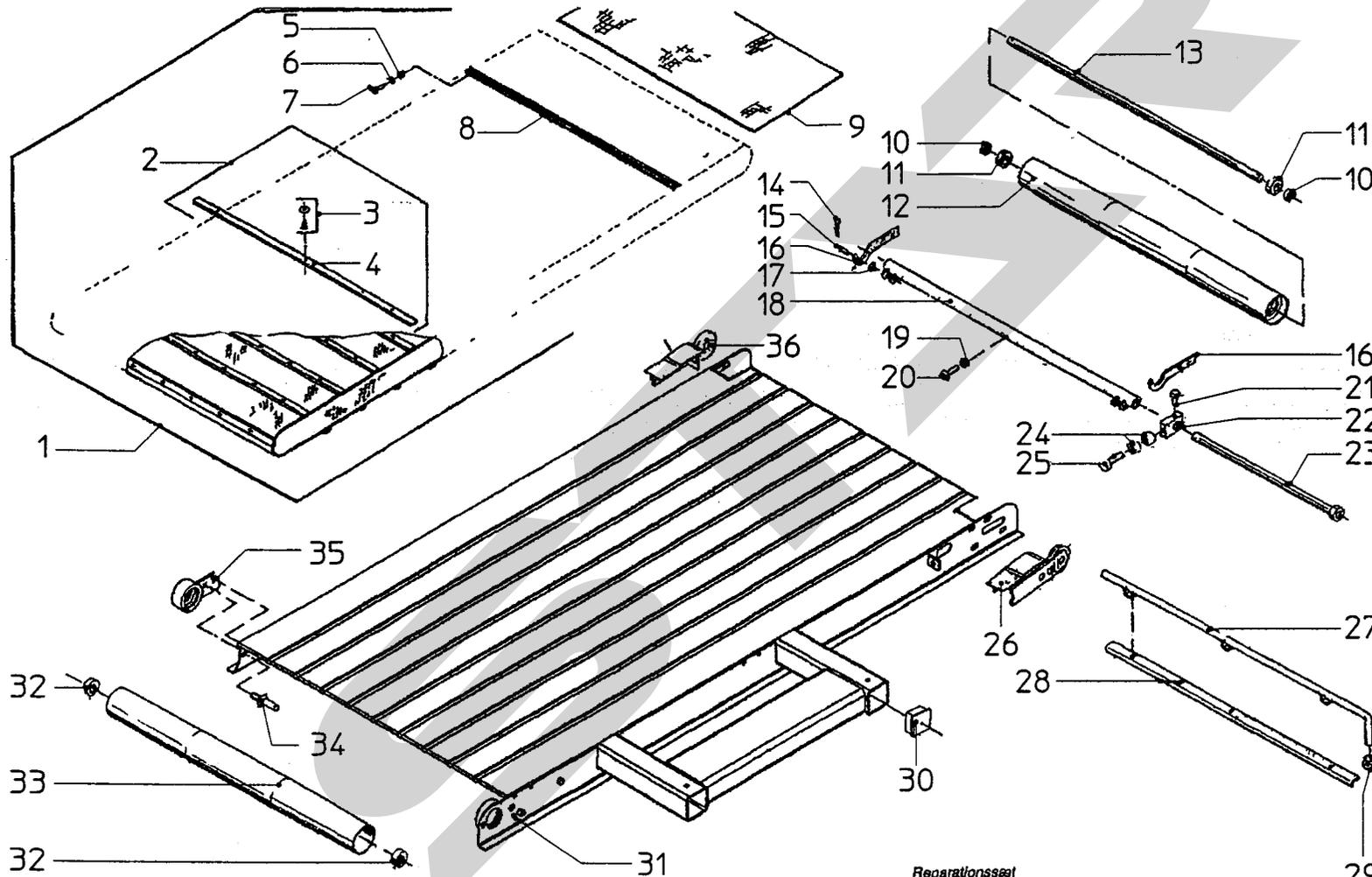


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 Bestelinummer

| | | | |
|----|------------|----|-------------|
| 1 | VNB2840686 | 1 | |
| 2 | VNB2702686 | 2 | |
| 3 | VNB2839986 | 1 | |
| 4 | VNB2839886 | 1 | |
| 5 | VNB3006086 | 2 | |
| 6 | VNB2702593 | 2 | |
| 7 | VN30270441 | 8 | 8.8-M16x140 |
| 8 | VN31463400 | 16 | A17 |
| 9 | VN30270402 | 4 | 8.8-M16x200 |
| 10 | VN31461400 | 24 | 17 |
| 11 | VN30575400 | 16 | 8/M16/Nyloc |
| 12 | VN30561400 | 4 | 8/M16 |
| 13 | VN30270421 | 4 | 8.8-M16x120 |
| 14 | VN31903220 | 2 | Ø20(2x) |
| 15 | VN30270845 | 2 | 8.8-M8x45 |

KT69625100X

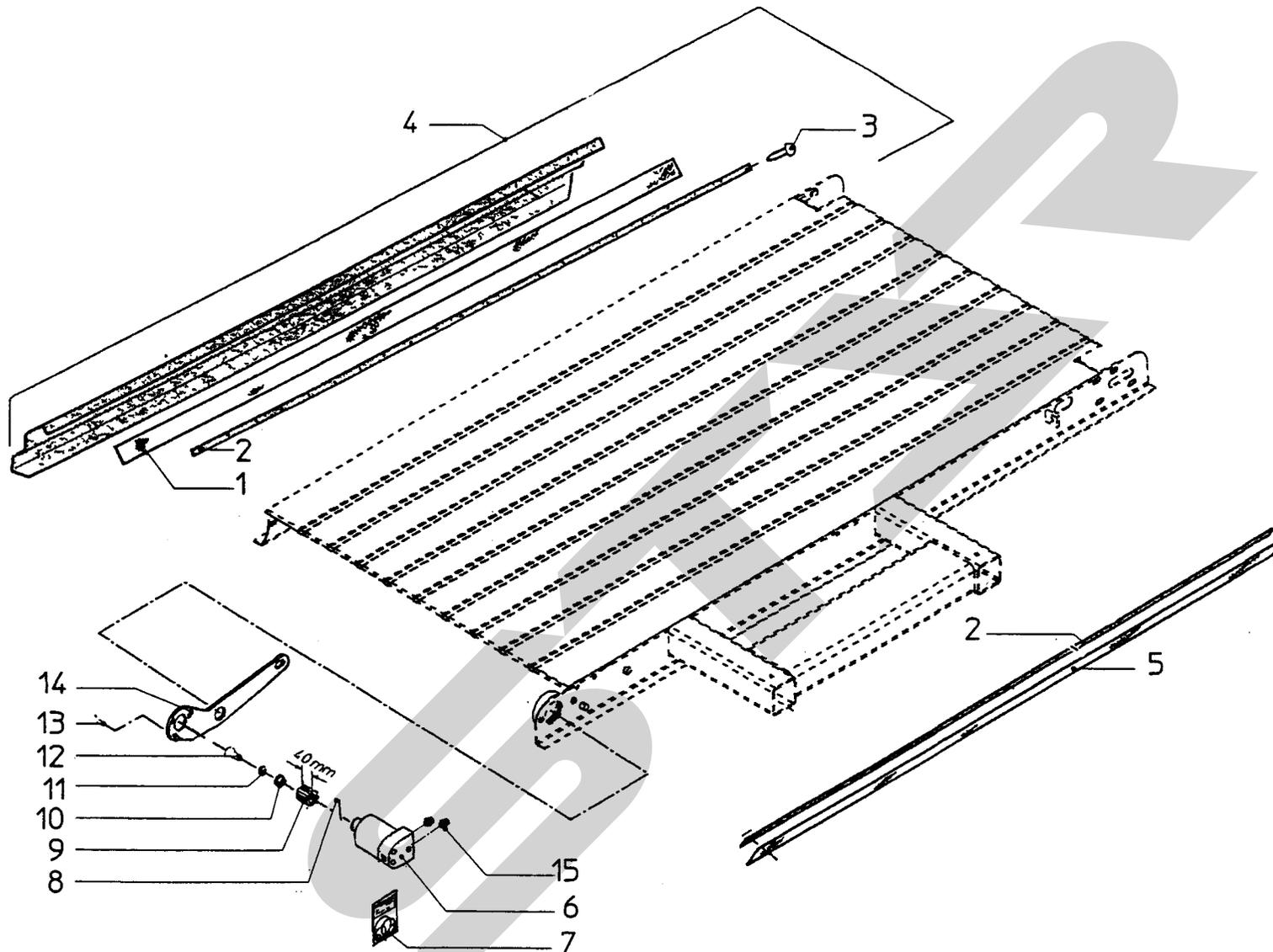
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ordernumber
num. o commander
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| | KT69625100X | 1 |
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| 1 | KT39841200 | 1 |
| 2 | KT39391000 | X |
| 3 | KT99338040 | 128 |
| 4 | KT39392000 | 16 |
| 5 | KT99307850 | 11 |
| 6 | KT99334003 | 22 |
| 7 | KT99302060 | 11 |
| 8 | KT39843000 | 2 |
| 9 | KT39791000 | 1 |
| 10 | KT39818000 | 2 |
| 11 | KT99100314 | 2 |
| 12 | KT39822100 | 1 |
| 13 | KT39889000 | 1 |
| 14 | KT99331104 | 4 |
| 15 | KT39831000 | 2 |
| 16 | KT39830000V | 2 |
| 17 | KT99333105 | 2 |
| 18 | KT39829000V | 1 |
| 19 | KT99307806 | 1 |
| 20 | KT99302210 | 1 |
| 21 | KT99302258 | 1 |
| 22 | KT39827100 | 1 |
| 23 | KT39828000 | 1 |
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| 25 | KT99322454 | 1 |
| 26 | KT39826300V | 1 |
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| 29 | KT99458594 | 2 |
| 30 | KT99458588 | 2 |
| 31 | KT69961000 | 1 |
| 32 | KT99100239V | 2 |
| 33 | KT39513000 | 1 |
| 34 | KT39108000 | 1 |
| 35 | KT39515000V | 1 |
| 36 | KT39825300V | 1 |
| 37 | KT39790000 | 1 |

Reparationsatz
Kit for modification
Reparaturatz
37 = 5+6+7+8+9

KT69625100X



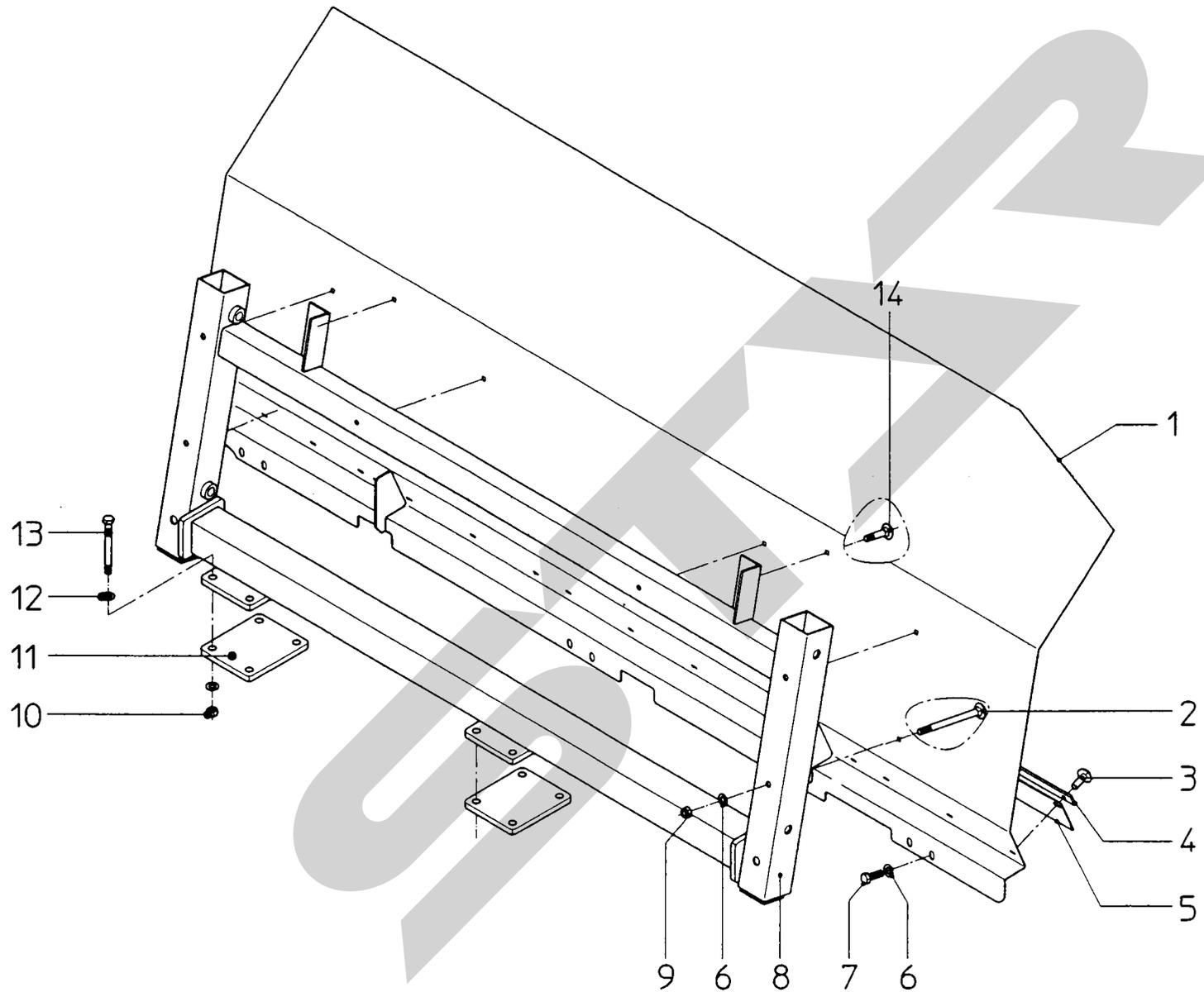
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| 2 | KT39377000V | 2 |
| 3 | KT99338020 | 22 |
| 4 | KT39838300V | 1 |
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| 9 | KT39523000 | 1 |
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| 11 | KT99335106 | 1 |
| 12 | KT99302104 | 1 |
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serial number 27394

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SB2004

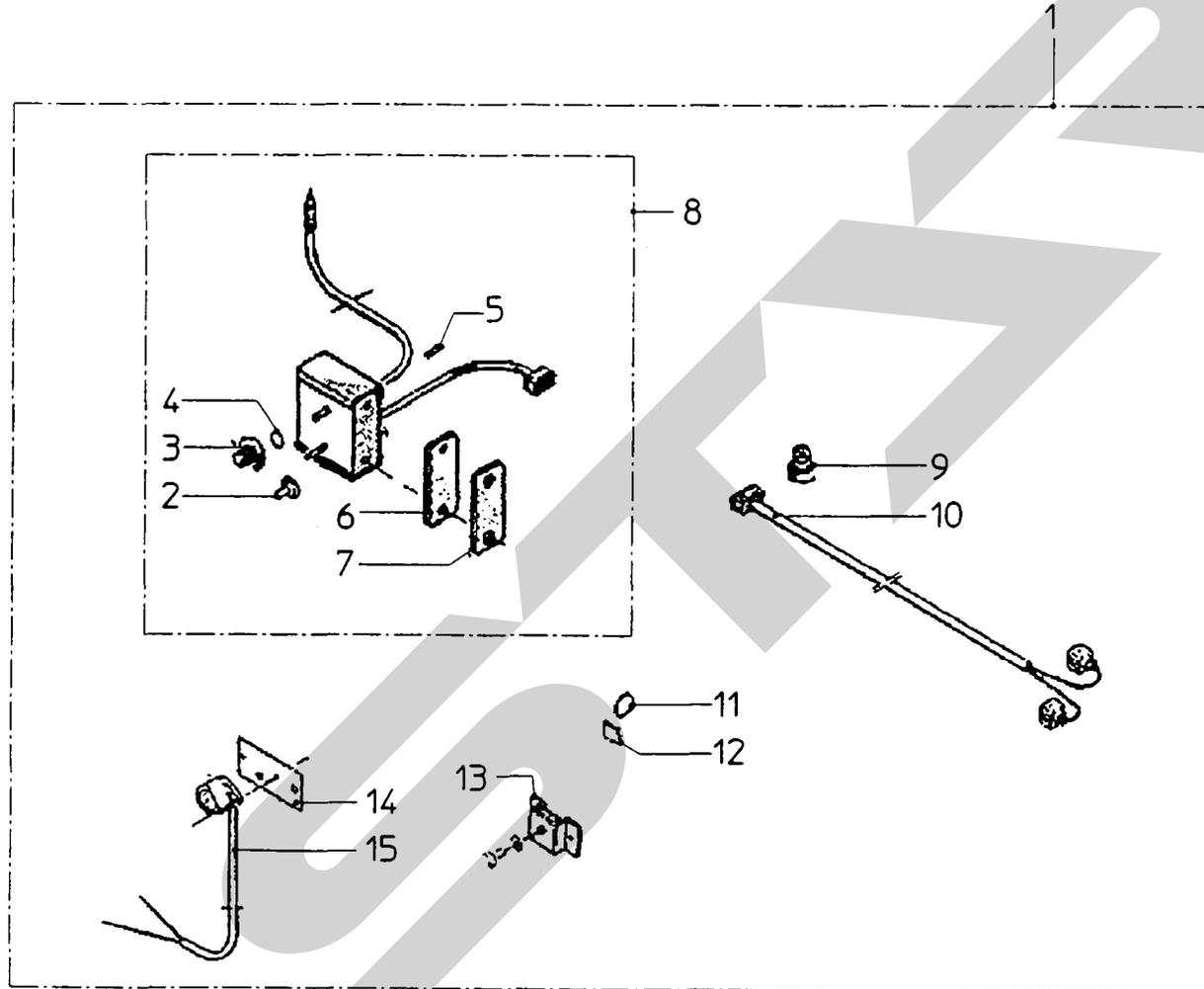


bestellnummer
ordernummer
num a commander
Bestellnummer

| | | | |
|----|-------------|----|-------------|
| 1 | VNB3262886 | 1 | |
| 2 | VN30454880 | 6 | 8.8-M8x80 |
| 3 | KT99338020 | 22 | |
| 4 | KT39377000V | 1 | |
| 5 | KT39376000 | 1 | |
| 6 | VN31461800 | 14 | 8.4 |
| 7 | VN30271825 | 6 | 8.8-M8x25 |
| 8 | VNB2990886 | 1 | |
| 9 | VN30575800 | 8 | 8/M8/Nyloc |
| 10 | VN30575200 | 8 | 8/M12/Nyloc |
| 11 | VNB2990486 | 2 | |
| 12 | VN31461250 | 16 | 13 |
| 13 | VN30270231 | 8 | 8.8-M12x130 |
| 14 | VN30454825 | 2 | 8.8-M8x25 |

bestellnummer
 ordernummer
 num a commander
 Bestellnummer

| | | |
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| 2 | KT99478377 | 1 |
| 3 | KT99478366 | 1 |
| 4 | KT99420211 | 1 |
| 5 | KT99477119 | 1 |
| 6 | KT47266000 | 2 |
| 7 | KT47267000 | 2 |
| 8 | KT69879000 | 1 |
| 9 | KT99478317 | 1 |
| 10 | KT68693000 | 1 |
| 11 | KT99478389 | 1 |
| 12 | KT99478395 | 7 |
| 13 | KT59888000 | 1 |
| 14 | KT39994100 | 1 |
| 15 | KT39154000 | 1 |

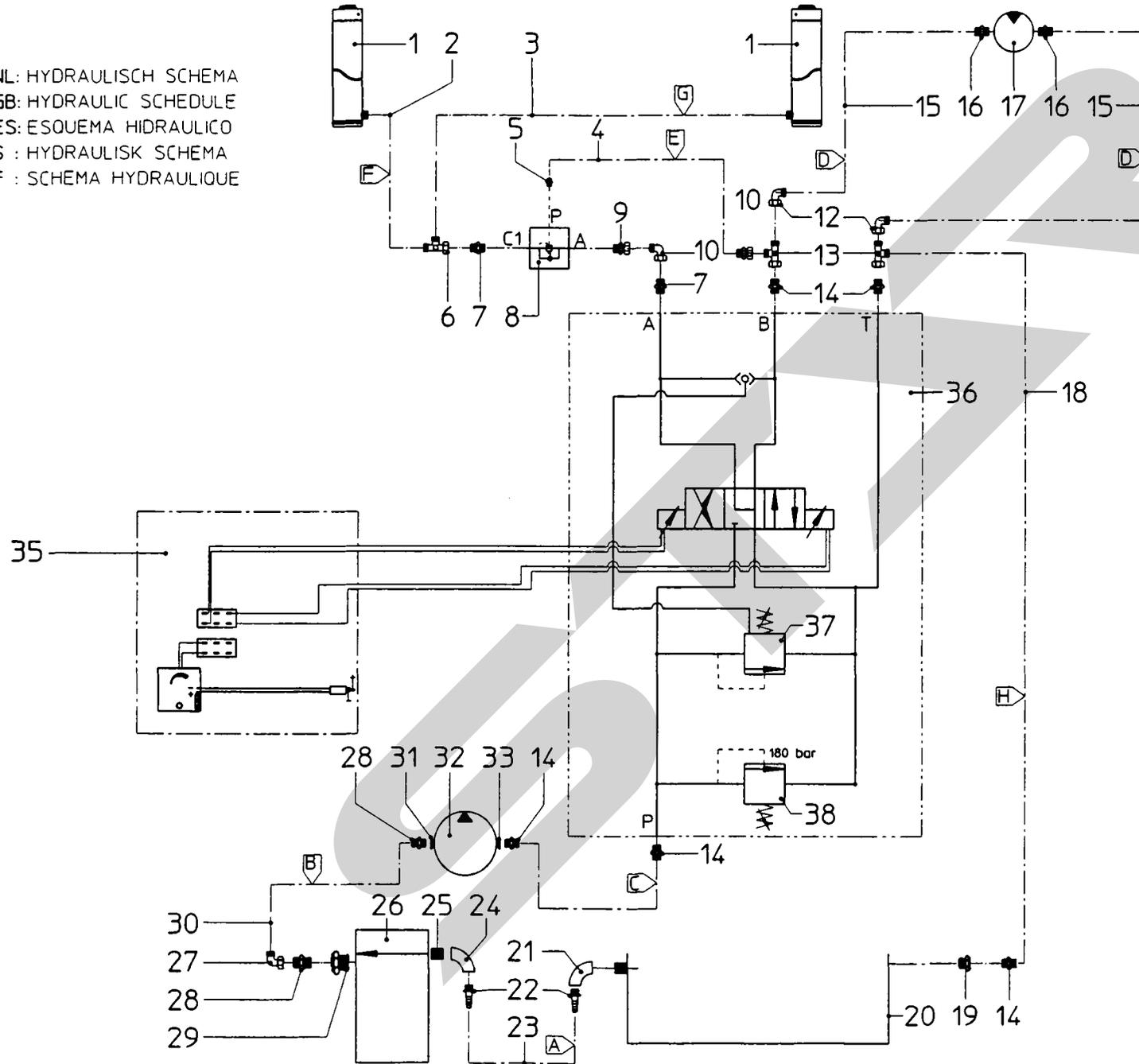


serial number 27294

G11

SB2004

NL: HYDRAULISCH SCHEMA
 GB: HYDRAULIC SCHEDULE
 ES: ESQUEMA HIDRAULICO
 S : HYDRAULISK SCHEMA
 F : SCHEMA HYDRAULIQUE



bestellnummer
 ordernumber
 num. a commander
 Bestellnummer

| | | | |
|----|-------------|---|-----------------|
| 1 | VNB2834778 | 2 | |
| 2 | VNB3616778 | 1 | 3/8" l=650 [F] |
| 3 | VNB3616978 | 1 | 3/8" l=1300 [G] |
| 4 | VNB3616678 | 1 | 1/4" l=300 [E] |
| 5 | VN38820161 | 1 | AL8-R1/4" |
| 6 | VN38614012 | 1 | LEL12-Ohne |
| 7 | VN38820159 | 2 | AL12-R3/8" |
| 8 | KT99407182 | 1 | |
| 9 | VN38601100 | 1 | RAL12R |
| 10 | VN38608027 | 1 | EEL12-Ohne |
| 11 | VN38820148 | 1 | S-REDV15/12/L |
| 12 | VN38608038 | 2 | S-EWV15L-SV |
| 13 | VN38614015 | 2 | S-ELV15L |
| 14 | VN38820149 | 5 | S-GEV15LR |
| 15 | VNB3330878 | 2 | 1/2" l=3790 [D] |
| 16 | KT99402114 | 2 | |
| 17 | KT99408062 | 1 | |
| 18 | VNB3616878 | 1 | 1/2" l= 650 [H] |
| 19 | VN38820250 | 1 | RIR 1"x1/2" |
| 20 | KT68638300V | 1 | |
| 21 | VN38608508 | 1 | 1"F(2x) |
| 22 | VN38604002 | 2 | 1"Mx1" |
| 23 | VNB3617078 | 1 | 1" l=330 [A] |
| 24 | KT99440227 | 1 | |
| 25 | KT99440524 | 1 | |
| 26 | KT99408961 | 1 | |
| 27 | VN38608050 | 1 | EEL22-R3/4" |
| 28 | VN38820241 | 2 | AL22-R3/4" |
| 29 | VN38820249 | 1 | RIR 5/4"x3/4" |
| 30 | VNB3662078 | 1 | 3/4" l=1580 [B] |
| 31 | VN36510051 | 1 | Multiseal 3/4" |
| 32 | VNB2933878 | 1 | |
| 33 | VN36510050 | 1 | Multiseal 1/2" |
| 34 | VNB3616178 | 1 | 1/2" l=1800 [C] |
| 35 | KT99408183V | 1 | |
| 36 | KT99407183 | 1 | |
| 37 | KT99407184 | 1 | |
| 38 | KT99407186 | 1 | |

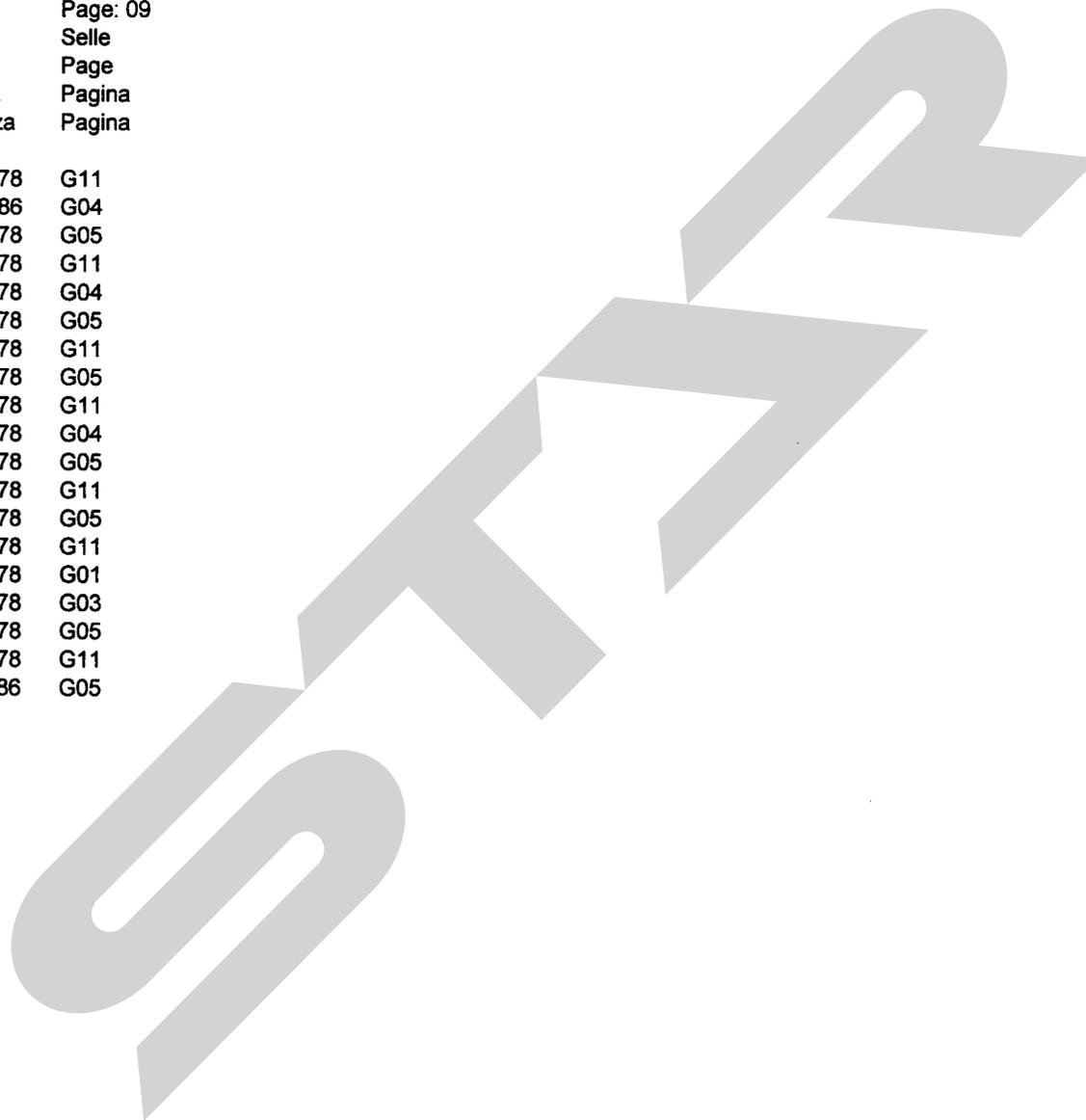
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| No. de ref. | Page |
| Onderd. nr. | Pagina |
| Nom. de pza | Pagina |
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| KT39377000V | G08 | KT99302060 | G07 | KT99440227 | G11 | VN30270845 | G06 | VN30575910 | G12 | VN38601100 | G11 | VN79302170 | G01 |
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| KT39391000 | G07 | KT99302210 | G07 | KT99440524 | G11 | VN30270947 | G04 | VN30803719 | G04 | VN38604002 | G11 | VN79302171 | G03 |
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| VNB3616178 | G03 | | |
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MEMO

MEMO

STARR

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|---------------|----------|--|---------------|----------|--|
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