

6 S - 1010B0



TRACTOR AUTOMOBILE SPARES

ZF[®]





TRACTOR AUTOMOBILE SPARES
A WORLD OF QUALITY PARTS

T.A.S. is specialised in the manufacture and sale of **replacement spare parts**, such as bull gears, crown wheel and pinion sets (with straight or helical teeth), synchroniser assemblies with molybdenum or carbon coating, shafts, main drive gears and other components, suitable for **transmissions and differentials of light-duty vehicles, trucks, buses, agricultural tractors and earthmoving machinery**.

These items are heat-treated where required and may be subjected to special processes, such as Shot-Peening, Sulf BT and corrosion proofing.

T.A.S. products are **totally interchangeable** with the genuine parts, as they are made to the same high quality standards, utilising modern technology and thanks to the continual specialisation of its staff. The '**MADE IN ITALY**' nature of the parts has been maintained with notable efforts.

Thanks to its sales network, T.A.S. products are **distributed and appreciated throughout the five continents** and the customers enjoy continuous support, both from **local agents** and from **mother-tongue commercial staff** at the company headquarters.



Strong Corporate identity
conveyed in a professionally
developed communication system.



MADE IN ITALY





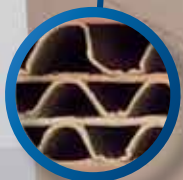
TAS BRANCH
ARGELATO (BO)



TAS HEAD OFFICE AND WAREHOUSES
NAPOLI



Tri-Wall
corrugated
cardboard
box



Opening a TAS pack, you'll be astonished
by its **explosive** content.

Hardwood pallet compliant
with IPPC ISPM 15

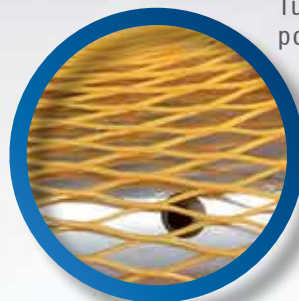




Our packaging is designed to ensure the **originality** and **integrity** of the product.

Use your mobile phone to read the QR code that you find on the label.

You'll be directed to additional information on the TAS website.



Tubular protective polyethylene nets



VCI Paper Sheets to prevent the onset of corrosion



High-security OVD stripe for a reliable authentication of the product



SECURITY FOIL
Moving DynaKey
up and down
"OK" is readable.







TRACTOR AUTOMOBILE SPARES

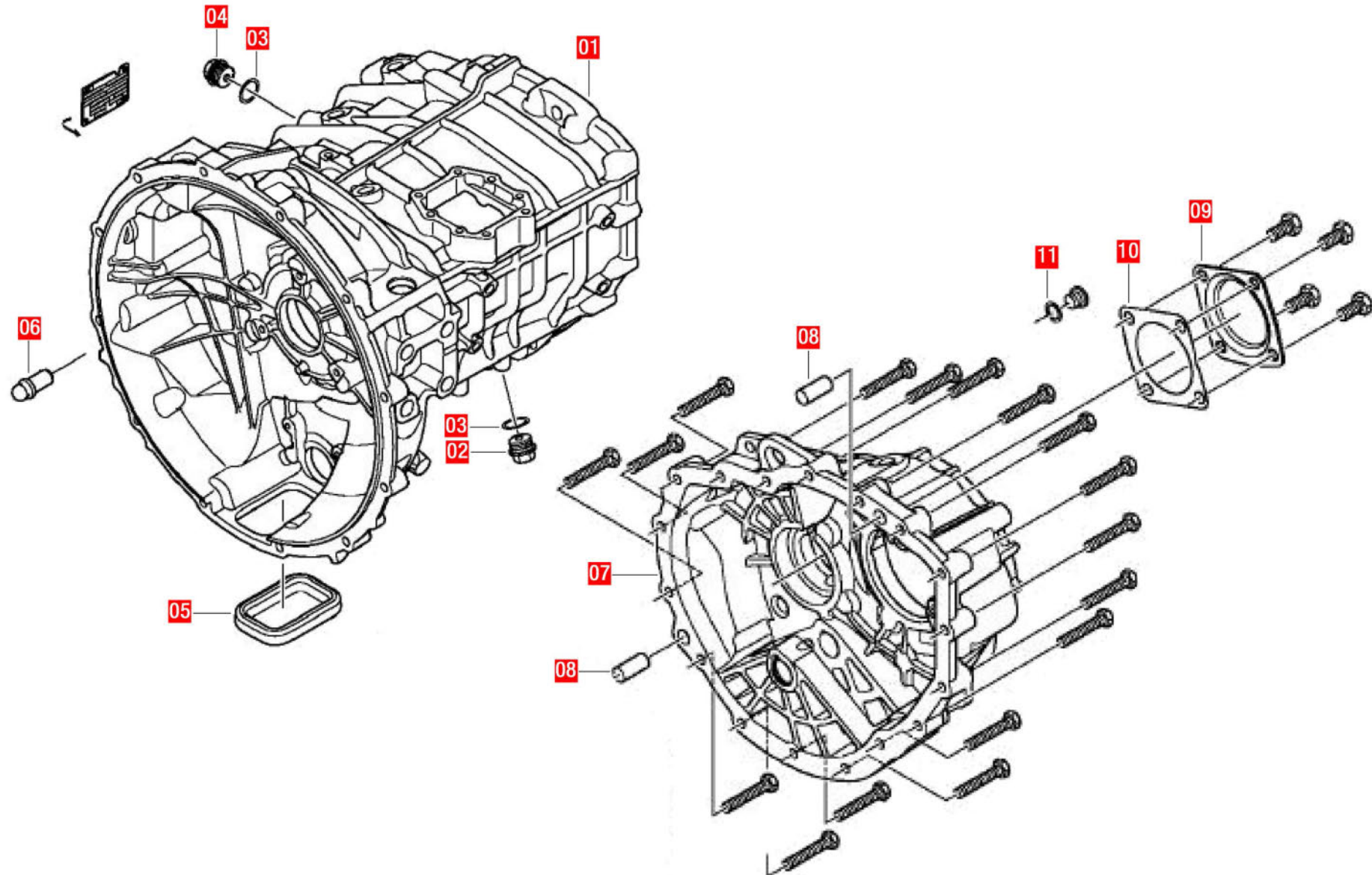




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CHART 1: GEARBOX HOUSING

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CHART 1

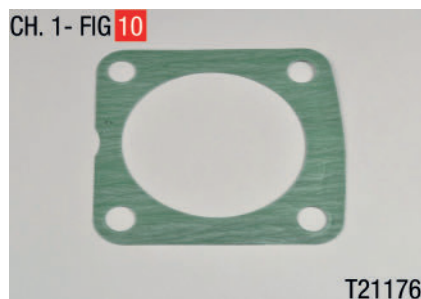




6S-1010B0
CHART 1: GEARBOX HOUSING

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
01	01		1346 301 088	1	HOUSING			X	X	X
01	02		0736 300 160	1	SCREW PLUG			X	X	X
01	03	T21735	0730 008 637	2	T/M SEALING RING 24X29		0,002	X	X	X
01	04		0636 304 088	1	SCREW PLUG			X	X	X
01	05		1315 301 230	1	CLOSING COVER			X	X	X
01	06		6060 368 075	1	BALL PIN			X	X	X
01	07		1346 301 081	1	OUTPUT HOUSING			X	X	X
01	08		0631 306 229	2	CYLINDRICAL PIN			X	X	X
01	09		1328 301 170	1	COVER			X	X	X
01	10	T21176	1238 308 201	1	POWER TAKE OFF GASKET		0,004	X	X	X
01	11	T21662	0634 801 013	1	T/M SEALING RING 10X14			X	X	X







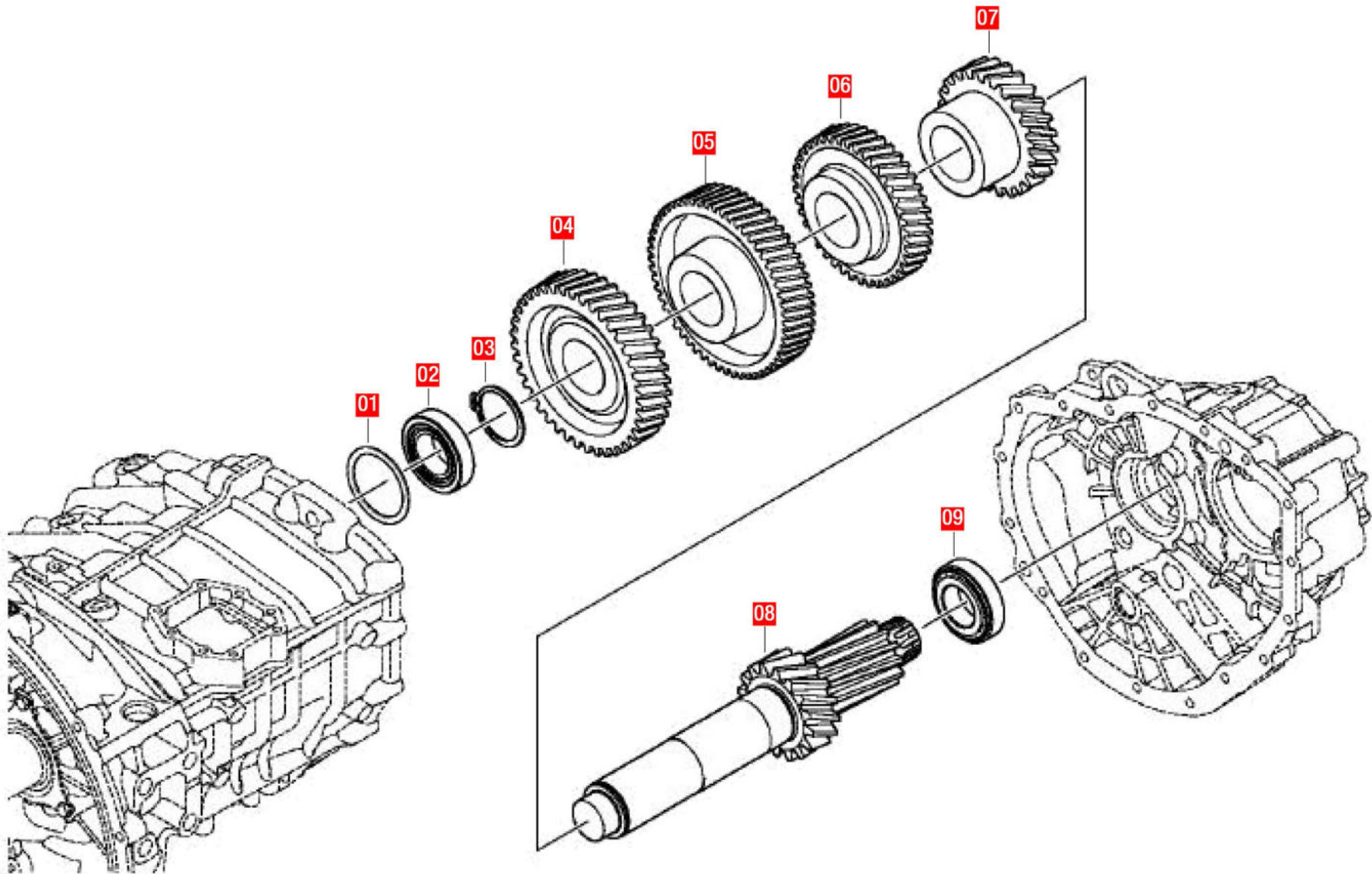
6S-1010B0
CHART 2: MAIN DRIVE GEAR AND CONNECTION PLATE

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
02	01		1346 302 078	1	GUIDE TUBE			X	X	X
02	02		0734 319 782	1	SHAFT SEAL			X	X	X
02	03		0630 531 076	1	RETAINING RING			X	X	X
02	04		0735 330 801	1	BALL BEARING			X	X	X
02	05	T46524	1346 302 054	1	INPUT SHAFT @			X	X	
02	05		1346 302 081	1	INPUT SHAFT					X
02	06		1290 312 111	3	PLACA DE SEGURIDAD					X
02	07	T38869	1346 304 047	1	T/M SYNCHRONIZER CONE					X



CHART 3





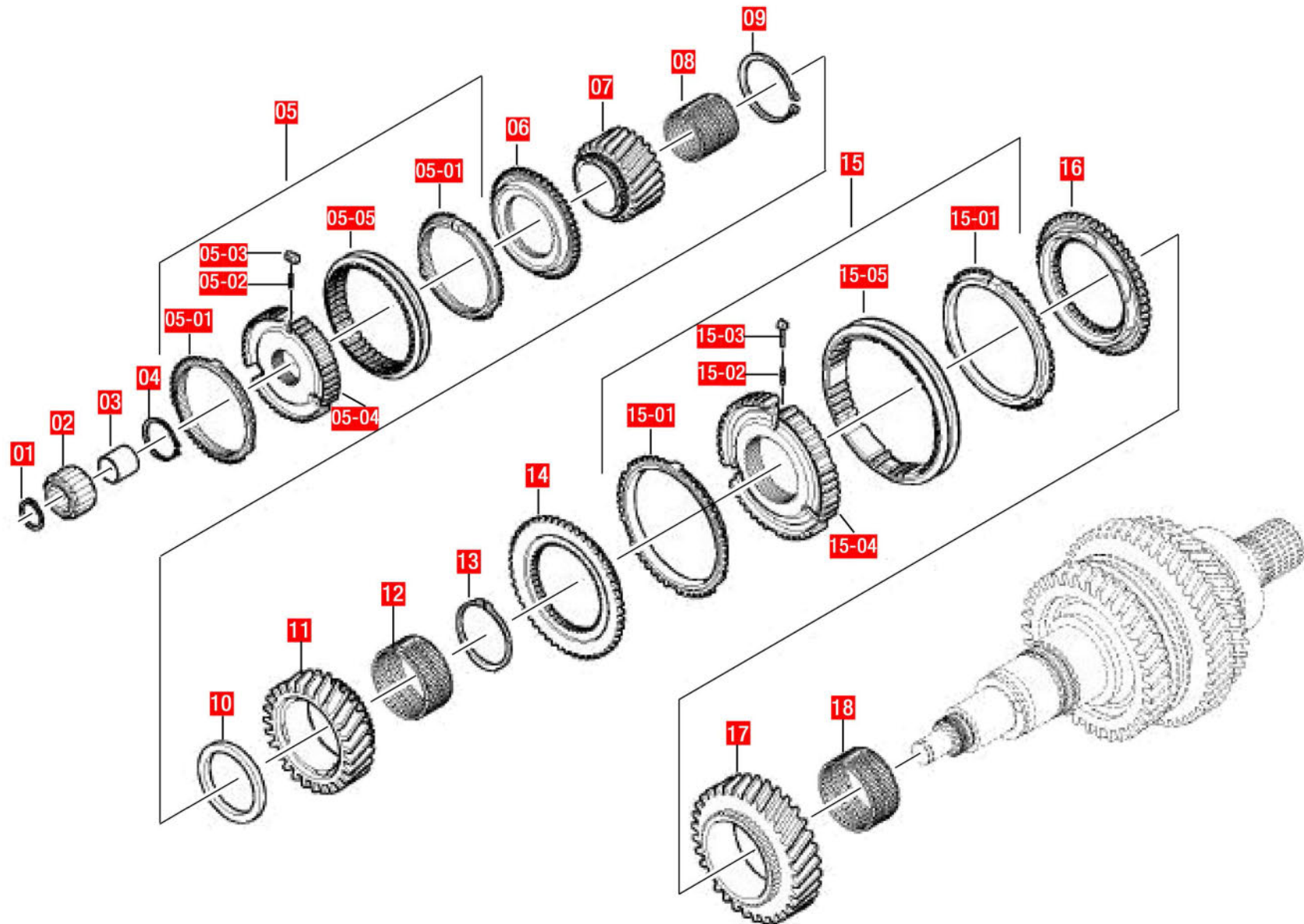
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CHART 3: COUNTERSHAFT

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
03	01		0730 002 943	1	SHIM			X	X	X
03	01		0730 004 705	1	SHIM			X	X	X
03	01		0730 002 942	1	SHIM			X	X	X
03	01		0730 004 706	1	SHIM			X	X	X
03	01		0730 002 941	1	SHIM			X	X	X
03	01		0730 003 429	1	SHIM			X	X	X
03	01		0730 002 940	1	SHIM			X	X	X
03	01		0730 003 430	1	SHIM			X	X	X
03	01		0730 002 939	1	SHIM			X	X	X
03	01		0730 003 431	1	SHIM			X	X	X
03	01		0730 002 938	1	SHIM			X	X	X
03	01		0730 003 432	1	SHIM 1,65			X	X	X
03	01		0730 002 937	1	SHIM 1,70			X	X	X
03	01		0730 003 433	1	SHIM 1,75			X	X	X
03	01		0730 002 936	1	SHIM 1,80			X	X	X
03	01		0730 003 434	1	SHIM 1,85			X	X	X
03	01		0730 002 935	1	SHIM 1,90			X	X	X
03	01		0730 003 435	1	SHIM 1,95			X	X	X
03	01		0730 002 934	1	SHIM 2,00			X	X	X
03	01		0730 004 731	1	SHIM 2,05			X	X	X
03	02		0735 371 994	1	TA. ROLL. BEARING			X	X	X
03	03		0630 531 076	1	RETAINING RING			X	X	X
03	04		1346 303 038	1	HELICAL GEAR			X	X	X
03	05		1346 303 039	1	HELICAL GEAR			X	X	X
03	06		1346 303 040	1	HELICAL GEAR			X	X	X
03	07		1346 303 046	1	HELICAL GEAR			X	X	X
03	08		1346 203 001	1	LAYSHAFT			X	X	X
03	09		0735 372 217	1	TA. ROLL. BEARING			X	X	X



CHART 4





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CHART 4: MAIN SHAFT

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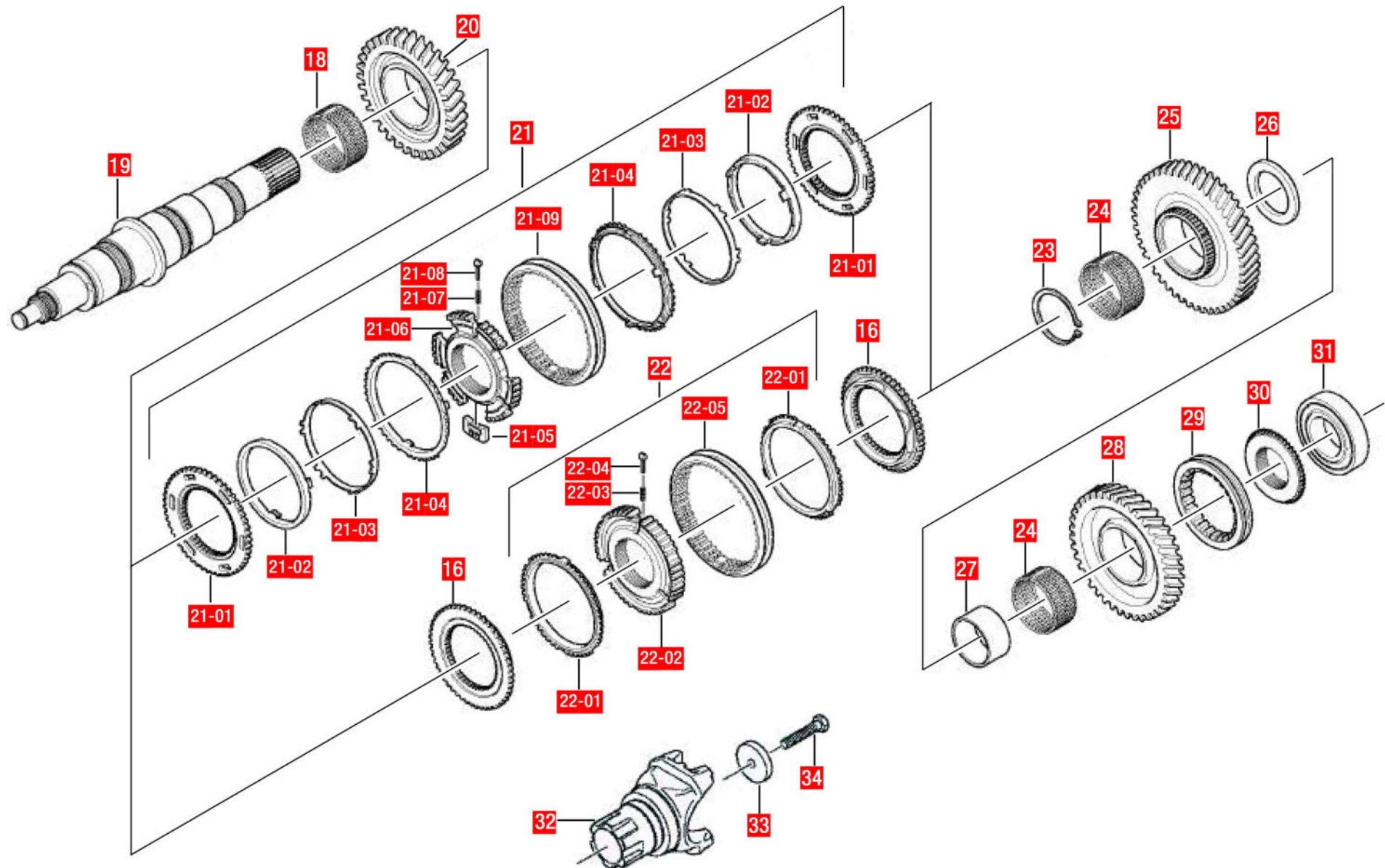
CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
04	01		0630 513 070	1	SNAP RING			X	X	X
04	02		0735 358 346	1	ROLLER CAGE			X	X	X
04	03		0735 295 223	1	INTERNAL RING			X	X	X
04	04		0630 531 050	1	RETAINING RING			X	X	X
04	05		1346 204 004	1	SYNCHRONIZER			X	X	X
04	05-01	T11838	1317 304 150	2	T/M THIRD AND FOURTH SPEED SYNCHRONIZER BLOCKING RING		0,120	X	X	X
04	05-02	T22699	1346 304 118	1	T/M SIXTH SPEED SYNCHRONIZER HUB		0,750	X	X	X
04	05-03	T11828	0732 042 510	3	T/M SYNCHRONIZER PRESSURE SPRING		0,001	X	X	X
04	05-04	T11833	1317 304 081	3	T/M SYNCHRONIZER FOLLOWER		0,004	X	X	X
04	05-05	T11836	1333 304 061	1	T/M SYNCHRONIZER SLIDING COLLAR (48T.)		0,400	X	X	X
04	06	T38869	1346 304 047	1	T/M SYNCHRONIZER CONE			X	X	X
04	07		1346 304 048	1	HELICAL GEAR			X	X	X
04	08		0750 115 565	1	NEEDLE CAGE			X	X	X
04	09		0730 300 992	1	SNAP RING			X	X	X
04	10		0501 323 702	1	THRUST WASHER			X	X	X
04	11		1346 304 099	1	HELICAL GEAR			X	X	X
04	12		0750 115 566	1	NEEDLE CAGE			X	X	X
04	13		0730 501 762	1	RETAINING RING			X	X	X
04	14	T39076	1346 304 093	1	T/M SYNCHRONIZER CONE			X	X	X
04	15	T39078	1346 204 005	1	T/M THIRD AND FOURTH SPEED SYNCHRONIZER			X	X	X
04	15-01	T15346	1268 304 594	2	T/M SYNCHRONIZER BLOCKING RING		0,242	X	X	X
04	15-02	T39075	1346 304 025	1	T/M THIRD AND FOURTH SPEED SYNCHRONIZER HUB		1,433	X	X	X
04	15-03	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING		0,002	X	X	X
04	15-04	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER		0,004	X	X	X
04	15-05	T38877	1310 304 195	1	T/M THIRD AND FOURTH SPEED SYNCHRONIZER SLIDING SLEEVE			X	X	X
04	16	T38873	1346 304 094	3	T/M SYNCHRONIZER CONE			X	X	X
04	17		1346 304 136	1	HELICAL GEAR			X	X	X
04	18		0750 115 567	2	NEEDLE CAGE			X	X	X



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CHART 4: MAIN SHAFT

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CHART 4

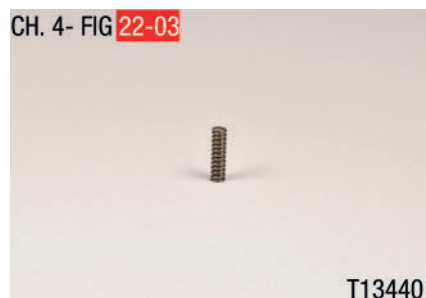
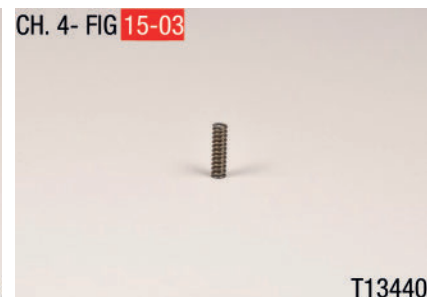
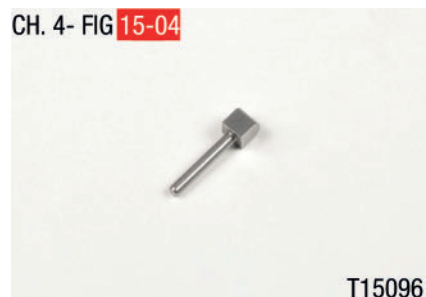
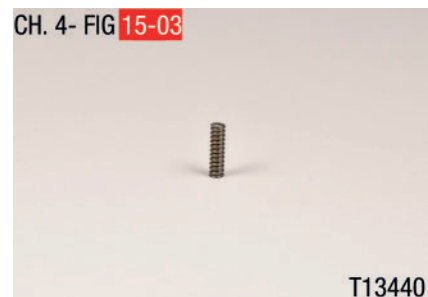




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CHART 4: MAIN SHAFT

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
04	19	T46525	1346 304 107	1	MAIN SHAFT @			X	X	X
04	20		1346 304 054	1	HELICAL GEAR			X	X	X
04	21		1346 204 001	1	SYNCHRONIZER					X
04	21-01		1346 304 092	2	CLUTCH DISC					X
04	21-02		1346 304 039	2	INNER RING					X
04	21-03	T38872	1346 304 038	2	T/M SYNCHRONIZER INTERMEDIATE RING					X
04	21-04		1346 304 033	2	OUTER RING					X
04	21-05		1346 304 091	1	SYNCHRO. BODY					X
04	21-06	T17222	1312 304 159	3	T/M SYNCHRONIZER SHIFTING PLATE		0,028			X
04	21-07	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING		0,002			X
04	21-08	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER		0,004			X
04	21-09		6002 305 994	1	SLIDING SLEEVE					X
04	22		1346 204 002	1	SYNCHRONIZER			X	X	
04	22-01	T15346	1268 304 594	2	T/M SYNCHRONIZER BLOCKING RING		0,242	X	X	
04	22-02		1346 304 026	1	SYNCHRONIZER HUB			X	X	
04	22-03	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING		0,002	X	X	
04	22-04	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER		0,004	X	X	
04	22-05		1290 304 383	1	SLIDING SLEEVE			X	X	
04	23		0730 300 991	1	SNAP RING			X	X	X
04	24		0735 321 529	2	NEEDLE CAGE			X	X	X
04	25		1346 304 125	1	HELICAL GEAR			X	X	X
04	26		0501 322 939	1	THRUST WASHER			X	X	X
04	27		0735 295 239	1	INTERNAL RING			X	X	X
04	28		1346 304 167	1	HELICAL GEAR			X	X	X
04	29		1308 304 087	1	SLIDING SLEEVE			X	X	X
04	30		1346 304 177	1	CLUTCH BODY			X	X	X
04	31		0735 330 799	1	BALL BEARING			X	X	X
04	32		1346 304 175	1	OUTPUT FLANGE			X		X
04	32		1346 304 176	1	OUTPUT FLANGE				X	
04	33		0730 113 920	1	WASHER			X	X	X
04	34		0636 100 541	1	HEXAGON SCREW			X	X	X





TRACTOR AUTOMOBILE SPARES

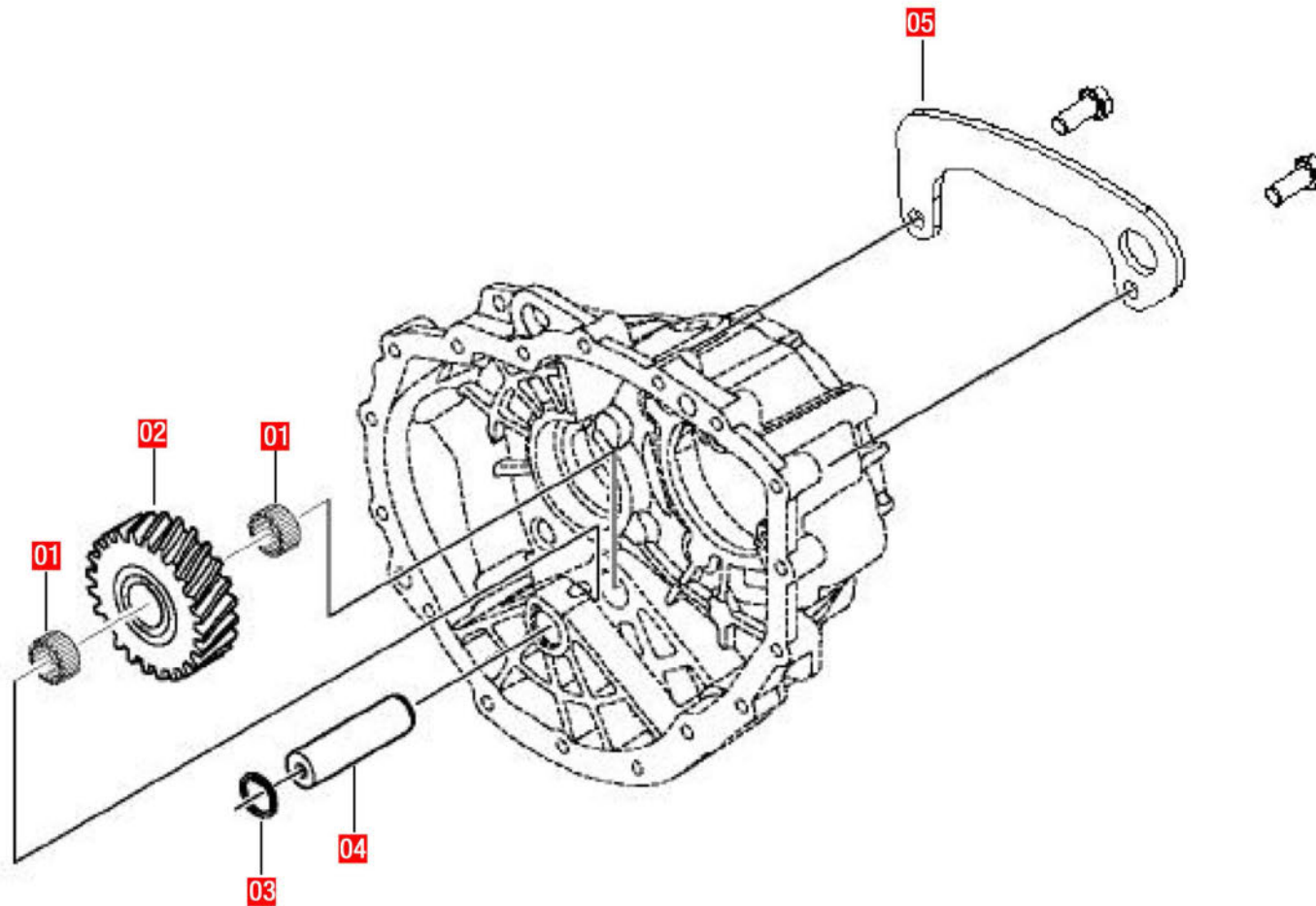




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CHART 5: REVERSE IDLER GEAR

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CHART 5





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CHART 5: REVERSE IDLER GEAR

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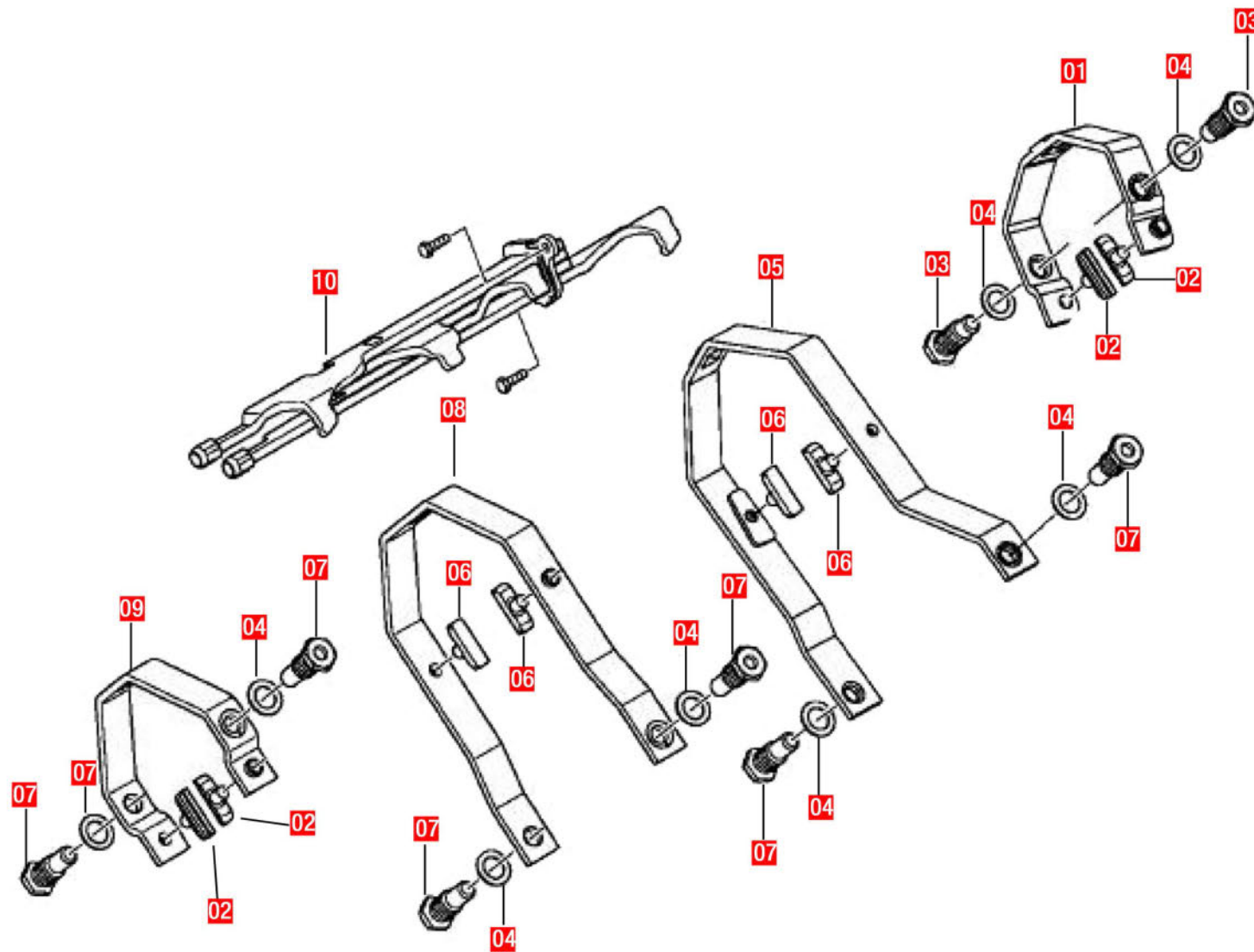
CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
05	01		0635 300 110	2	NEEDLE CAGE			X	X	X
05	02		1346 305 057	1	REVERSE IDLER GEAR			X	X	X
05	03		0630 502 014	1	RETAINING RING			X	X	X
05	04		1346 305 039	1	REVERRSE IDLER SHAFT			X	X	X
05	05		1346 301 099	1	FIXING PLATE			X	X	X



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CHART 6: GEARSHIFT SYSTEM

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CHART 6





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CHART 6: GEARSHIFT SYSTEM

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
06	01		0501 217 826	1	GEAR SHIFT FORK			X	X	
06	02	T22894	1290 306 423	4	T/M SHIFT FORK SLIDING BLOCK			X	X	
06	03		1346 306 082	2	ARTICULAT. BOLT			X	X	
06	03		1346 306 030	2	ARTICULATION BOLT					X
06	04		0730 301 379	8	SPRING WASHER			X	X	
06	05		0501 218 383	1	GEAR SHIFT FORK			X	X	
06	06	T22880	1290 306 066	4	T/M SHIFT FORK SLIDING BLOCK			X	X	
06	07		1346 306 088	6	ARTICULAT. BOLT			X	X	
06	07		1346 306 023	6	ARTICULATION BOLT					X
06	08		0501 217 828	1	GEAR SHIFT FORK			X	X	
06	09		0501 217 830	1	GEAR SHIFT FORK			X	X	
06	10		0501 217 832	1	DRAG LINK			X	X	

CH. 6- FIG 02



T22894

CH. 6- FIG 06



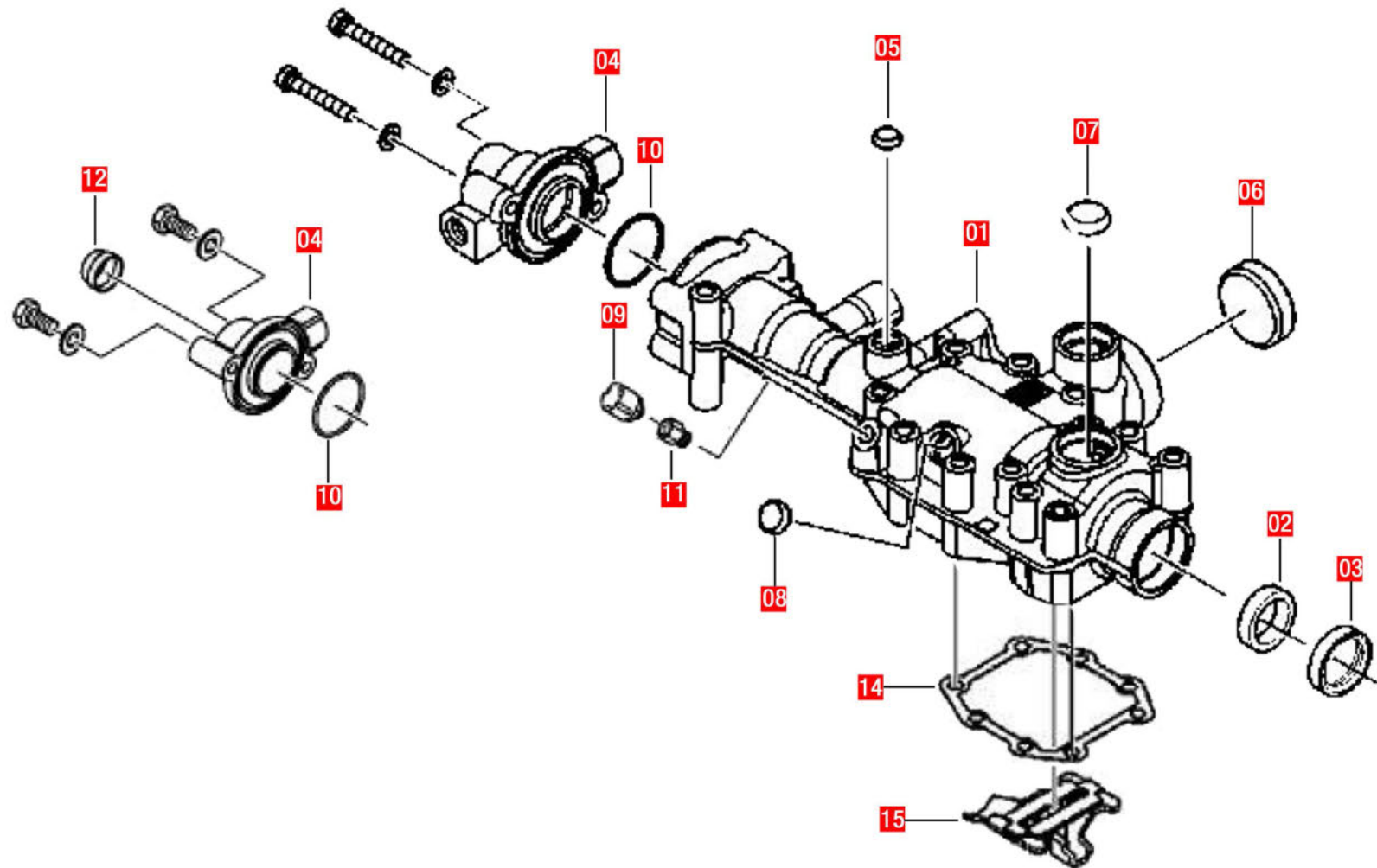
T22880



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CHART 7: GEARSHIFT HOUSING

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CHART 7





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CHART 7: GEARSHIFT HOUSING

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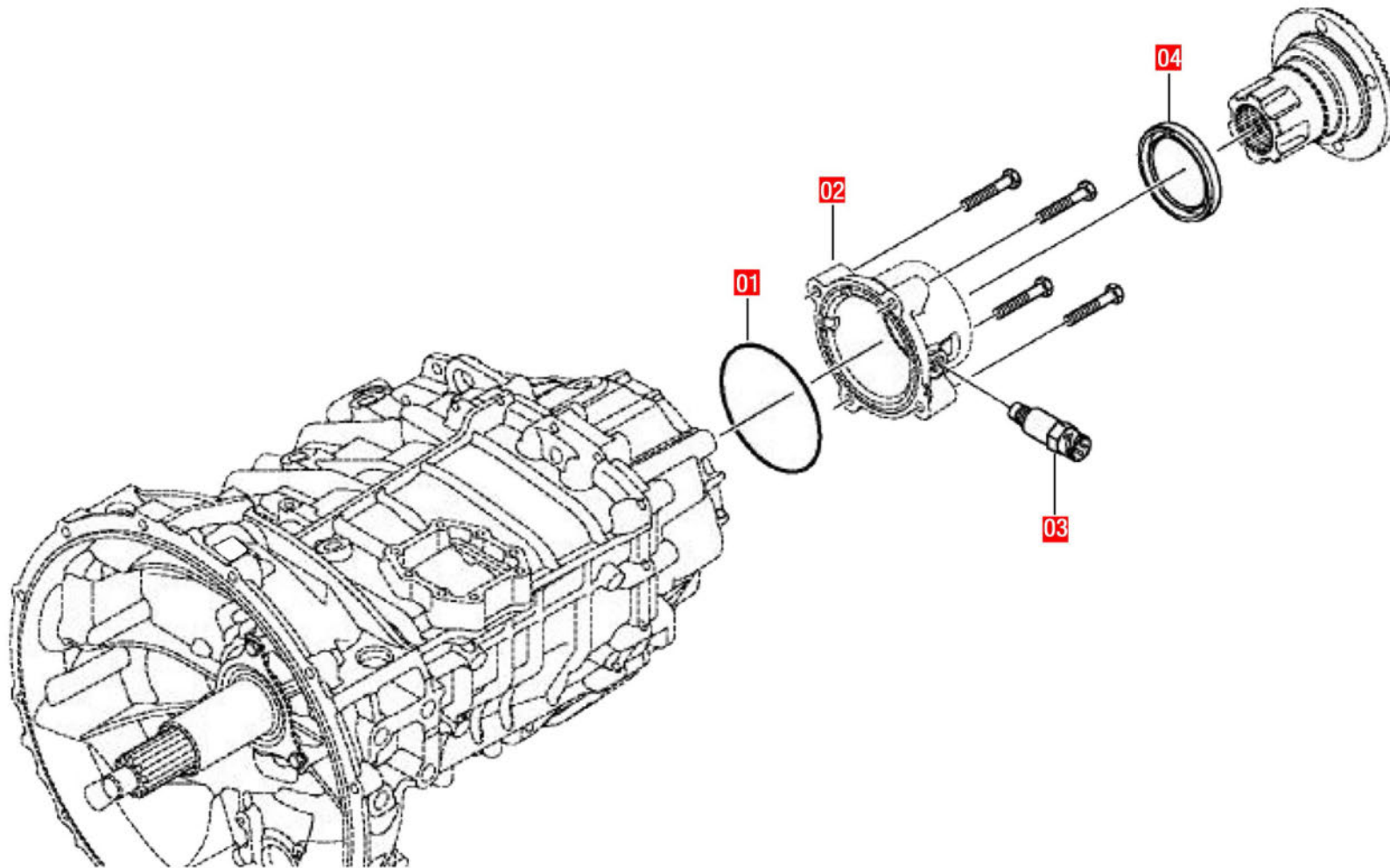
CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
07	01		1346 307 345	1	GEAR SHIFT HOUSING			X	X	X
07	01		1346 307 044	1	GEAR SHIFT HOUSING					X
07	02		0730 260 703	1	BUSH			X	X	X
07	03		0734 309 765	1	SHAFT SEAL			X	X	X
07	04		1346 307 084	1	COVER			X	X	X
07	04		1346 307 339	1	COVER					X
07	05		0630 100 025	1	SEALING CAP			X	X	X
07	06		0630 100 028	1	SEALING CAP			X	X	X
07	07		0630 100 027	1	SEALING CAP			X	X	X
07	08		0630 100 026	1	SEALING CAP			X	X	X
07	09		0501 218 540	1	BREATHER			X	X	X
07	09		0501 202 797	1	BREATHER					X
07	10	T22057	0734 303 046	1	T/M O-RING 59X3			X	X	X
07	11		0731 300 041	1	THREADED BUSH					X
07	12		1217 307 063	1	COVER					X



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CHART 8: SPEEDOMETER COVER

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CHART 8





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CHART 8: SPEEDOMETER COVER

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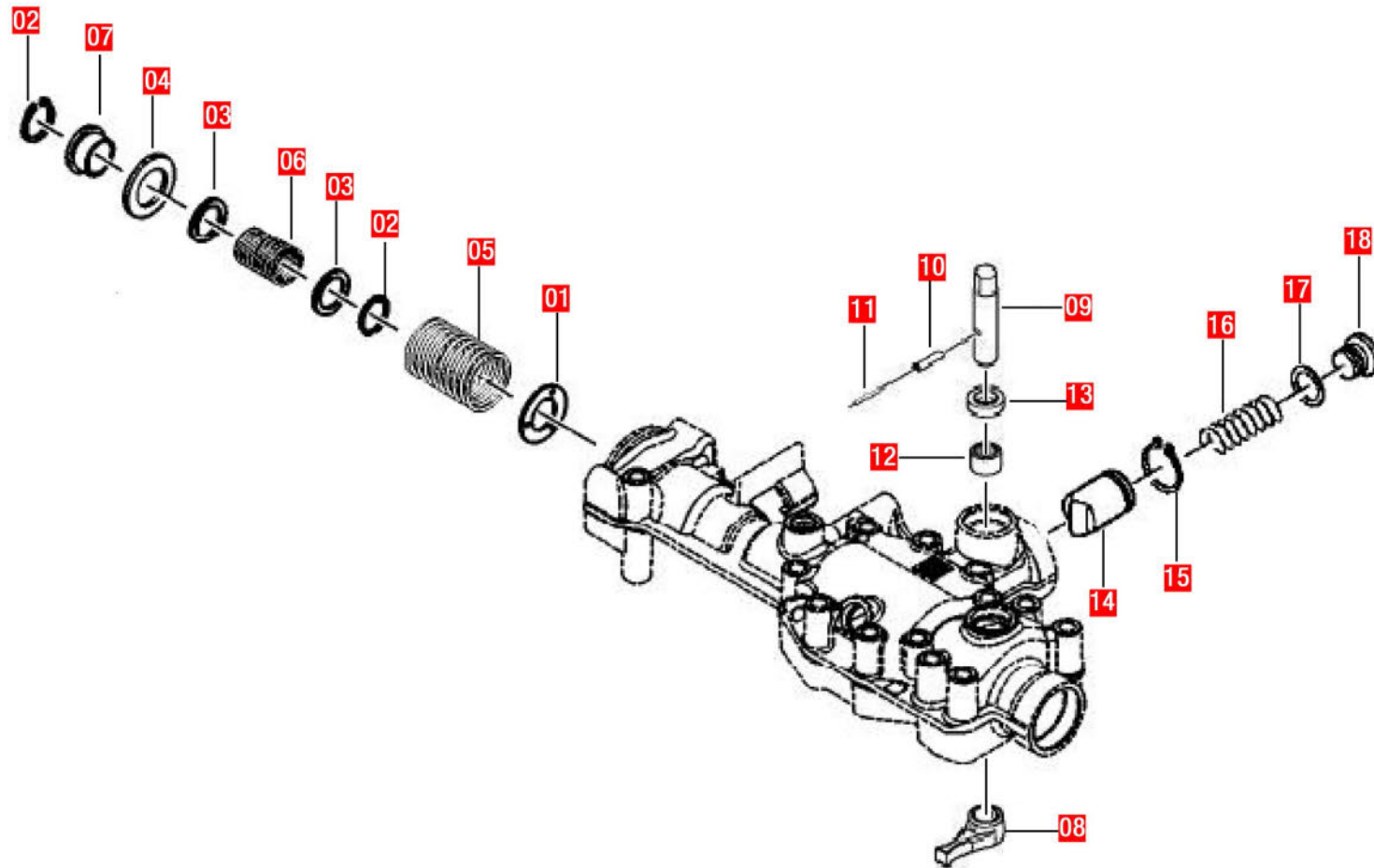
CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
08	01		0634 306 308	1	O-RING			X	X	X
08	02		1346 308 002	1	SPEEDOMETER COVER			X	X	X
08	03		0501 210 856	1	PULSE SENSOR			X	X	X
08	04		0750 111 334	1	SHAFT SEAL			X	X	X



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CHART 9: SET OF SPRING

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CHART 9



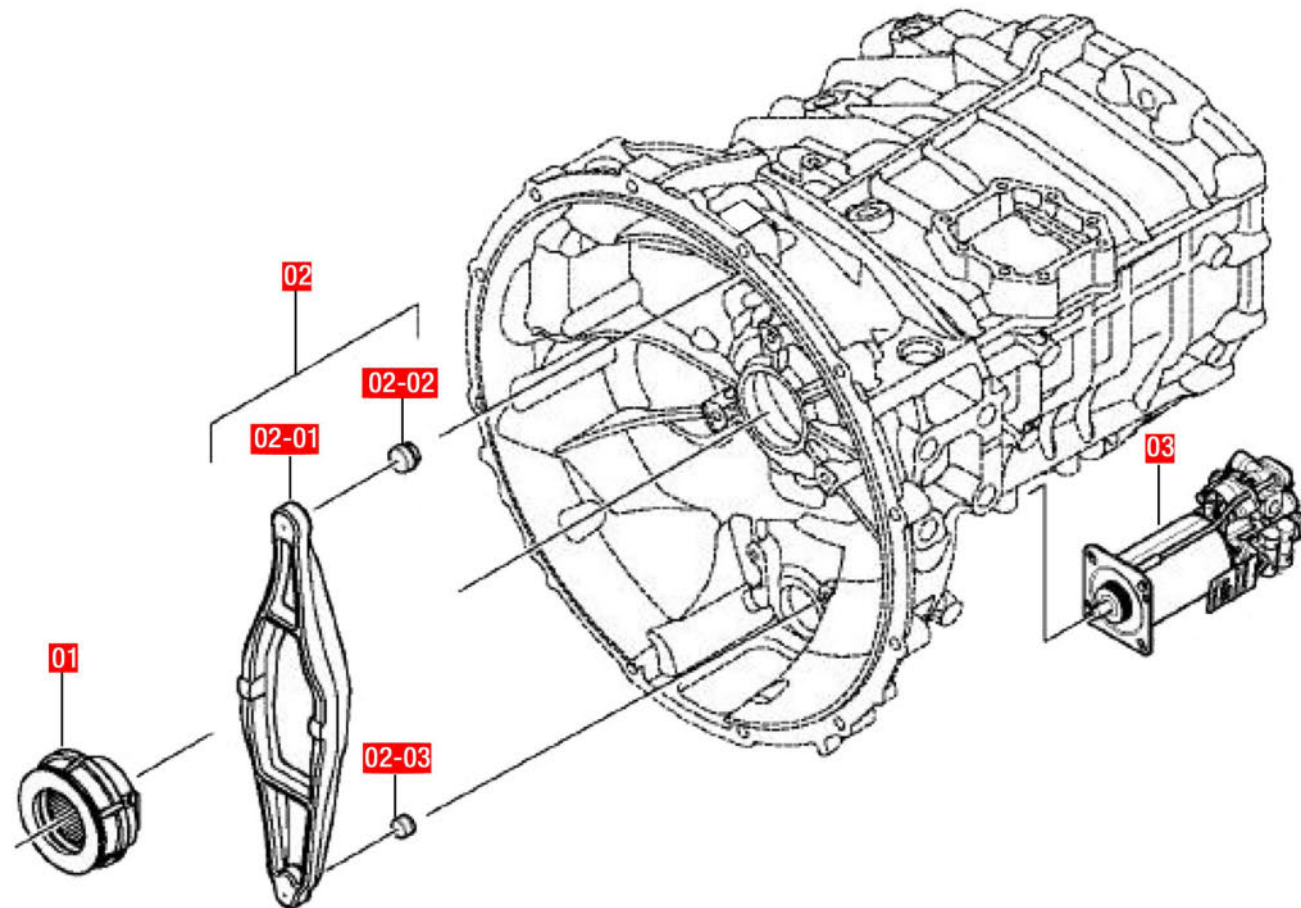


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CHART 9: SET OF SPRING

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
09	01		0730 301 376	1	WASHER			X	X	X
09	02		0630 532 138	2	V-RING			X	X	X
09	03		0730 301 374	2	WASHER			X	X	X
09	03		0730 100 214	2	SHIM					X
09	04		0730 301 119	1	WASHER			X	X	X
09	04		0730 200 907	1	WASHER					X
09	05		0732 040 237	1	COMPRESSION SPRING			X		
09	05		0732 040 630	1	COMPRESSION SPRING				X	
09	05		0732 040 765	1	COMPRESSION SPRING					X
09	06		0732 040 022	1	SPRING			X		
09	06		1204 307 030	1	COMPRESSION SPRING				X	X
09	07		1346 307 367	1	BUSH			X	X	X
09	08		1346 307 005	1	SELECTOR LEVER			X	X	X
09	09		1346 307 007	1	SELECTOR SHAFT			X	X	X
09	10		0631 329 068	1	SLOTTED SPRING PIN			X	X	X
09	11		0631 329 027	1	SLOTTED SPRING PIN			X	X	X
09	12		0750 115 518	1	NEEDLE CAGE			X	X	X
09	13		0750 111 574	1	SHAFT SEAL			X	X	X
09	14		1346 307 051	1	LOCKING PIN					X
09	15		0730 501 805	1	RETAINING RING A= 1,85 MM					X
09	15		0630 501 367	1	RETAINING RING A= 1,75 MM					X
09	15		0630 501 368	1	RETAINING RING A= 1,65 MM					X
09	15		0630 501 369	1	RETAINING RING A= 1,55 MM					X
09	15		0630 501 376	1	RETAINING RING A= 1,45 MM					X
09	15		0630 501 377	1	RETAINING RING A= 1,35 MM					X
09	16		0732 042 991	1	COMPRESSION SPRING					X
09	17	T22012	0634 801 097	1	T/M GASKET 30X36					X
09	18		0636 302 610	1	SCREW PLUG					X







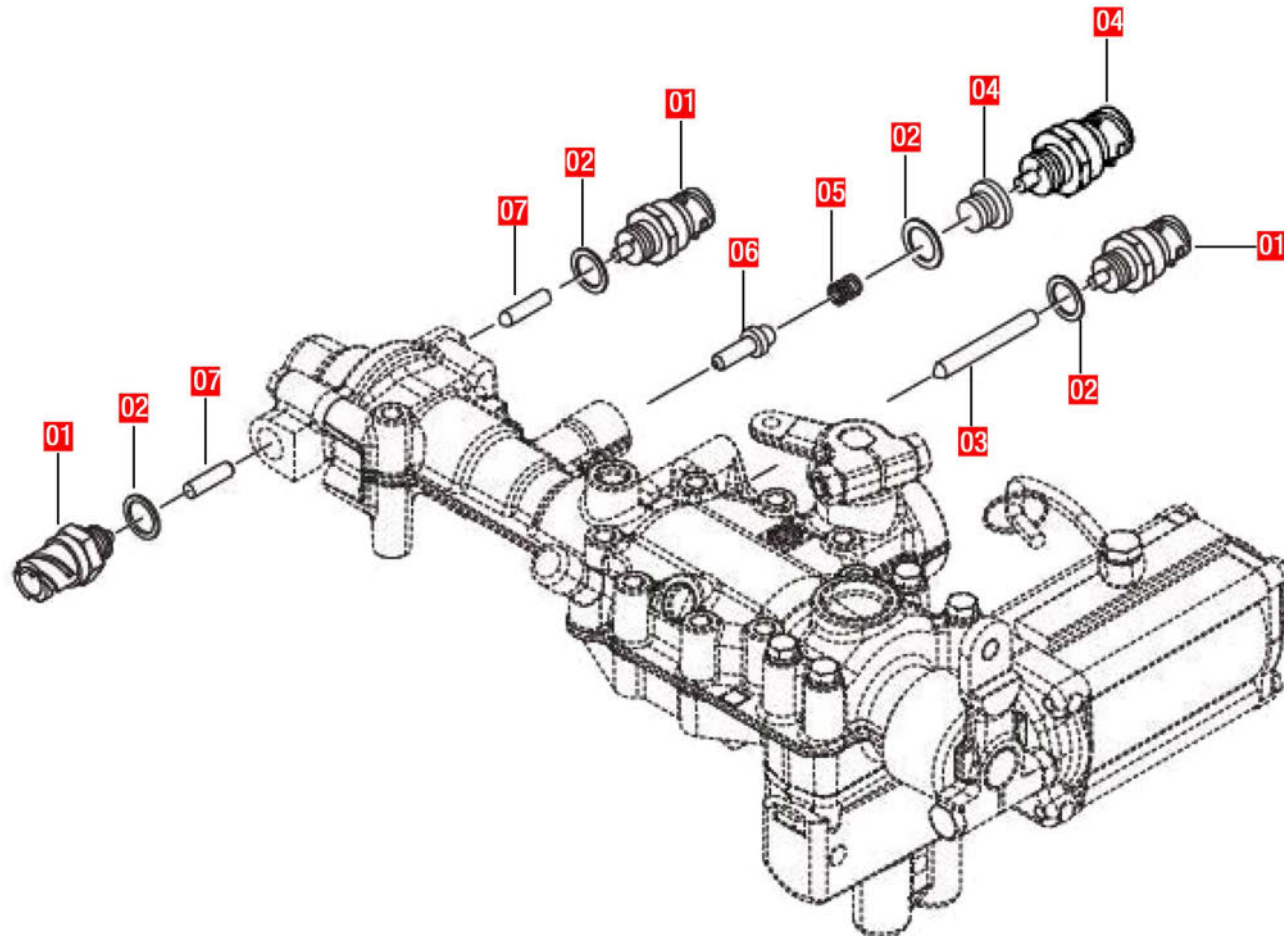
6S-1010B0
CHART 10: RELEASE DEVICE

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
10	01		0501 008 552	1	RELEASE DEVICE			X	X	X
10	02		6060 268 045	1	RELEASE FORK			X	X	X
10	02-01		6060 368 057	1	RELEASE FORK			X	X	X
10	02-02		0501 315 159	1	BALL CUP			X	X	X
10	02-03		0501 324 061	1	BALL CUP			X	X	X
10	04		0501 008 846	1	CLUTCH CYLINDER			X	X	X



CHART 11





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CHART 11: CONNECTING PARTS

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
11	01		0501 216 474	3	SWITCH			X	X	
11	01		0501 216 474	2	SWITCH					X
11	02	T21677	0634 801 062	4	T/M SEALING RING (18X24)		0,001	X	X	
11	02	T21677	0634 801 062	3	T/M SEALING RING (18X24)		0,001			X
11	03		0731 201 757	1	PIN			X	X	
11	03		0731 201 759	1	PIN					X
11	04		0636 100 791	1	SCREW PLUG			X	X	
11	04		0501 210 058	1	SWITCH					X
11	05		0732 042 299	1	COMPRESSION SPRING			X	X	
11	05		0732 042 990	1	COMPRESSION SPRING					X
11	06		1315 307 414	1	BOLT			X	X	X
11	07		0731 300 013	2	PIN			X	X	
11	07		0731 300 013	1	PIN					X

CH. 11- FIG 02



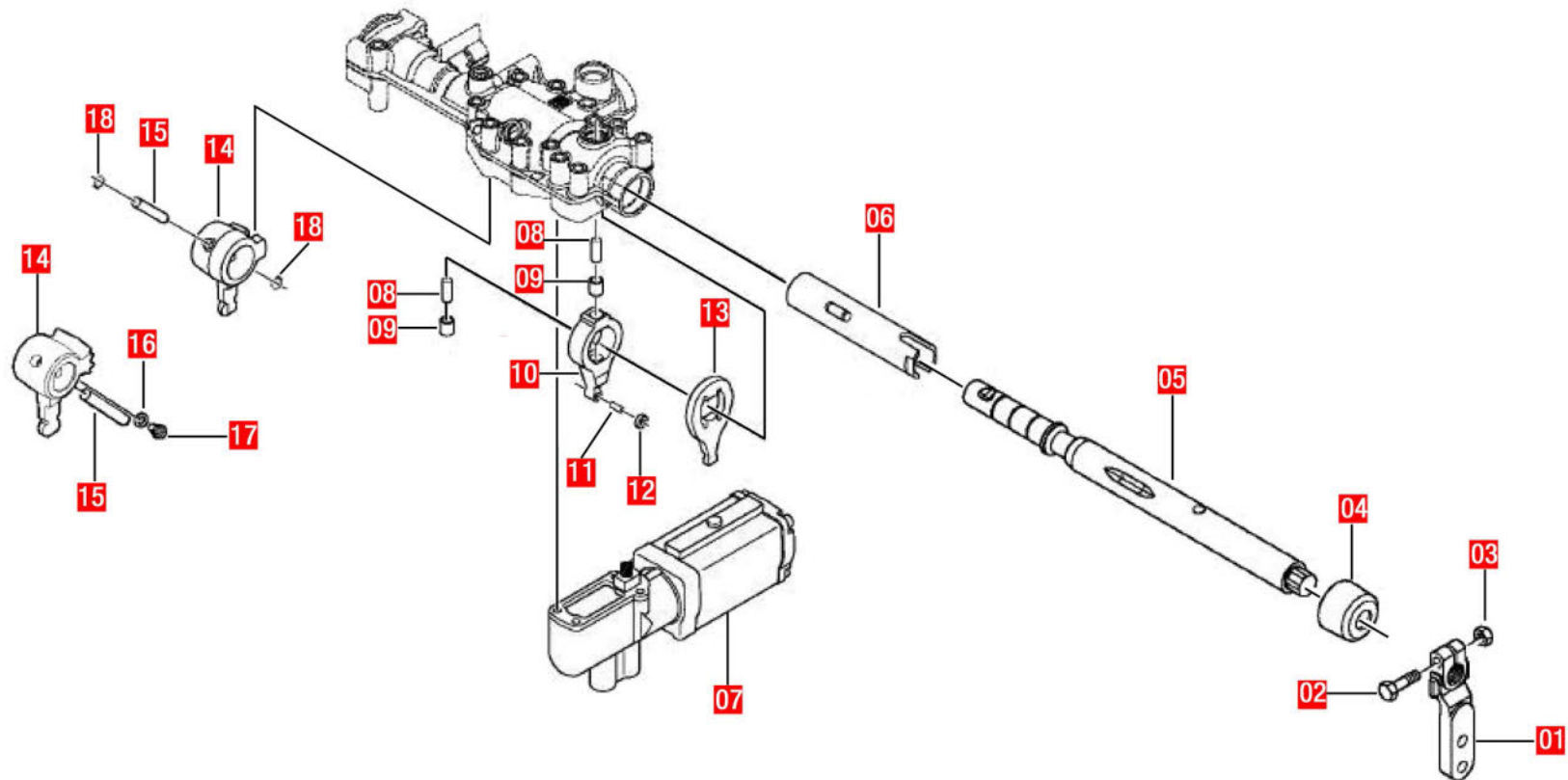
T21677



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CHART 12: GEARSHIFT SHAFT

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CHART 12





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CHART 12: GEARSHIFT SHAFT

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION	NOTES	WEIGHT/Kg	1346 082 002	1346 082 003	1346 082 004
12	01		1346 307 368	1	GEAR SHIFT LEVER					X
12	02		0636 010 593	1	HEXAGON SCREW					X
12	03		0637 006 120	1	HEXAGON NUT					X
12	04		0501 326 388	1	PROTECTING CAP		X	X		X
12	05		1346 307 083	1	GEAR SHIFT SHAFT		X	X		
12	05		1346 307 369	1	GEAR SHIFT SHAFT					X
12	06		1346 307 006	1	QUILL SHAFT		X	X		
12	07		0501 216 319	1	SERVOSHIFT		X	X		
12	08		0731 201 732	2	PIN		X	X		
12	09		0635 303 019	1	NEEDLE BUSH		X	X		
12	10		1316 208 002	1	VALVE LEVER		X	X		
12	11		0731 201 702	1	PIN		X	X		
12	12		1315 307 226	1	ROLLER		X	X		
12	13		1315 307 292	1	LEVER		X	X		
12	14		1346 307 003	1	DRIVER		X	X		
12	14		1346 307 048	1	DRIVER					X
12	15		0731 201 623	1	PIN		X	X		
12	15		0631 315 522	1	CYLINDRICAL PIN					X
12	16		0630 003 005	1	WASHER					X
12	17		0636 015 032	1	HEXAGON SCREW					X
12	18		0630 501 006	2	RETAINING RING		X	X		



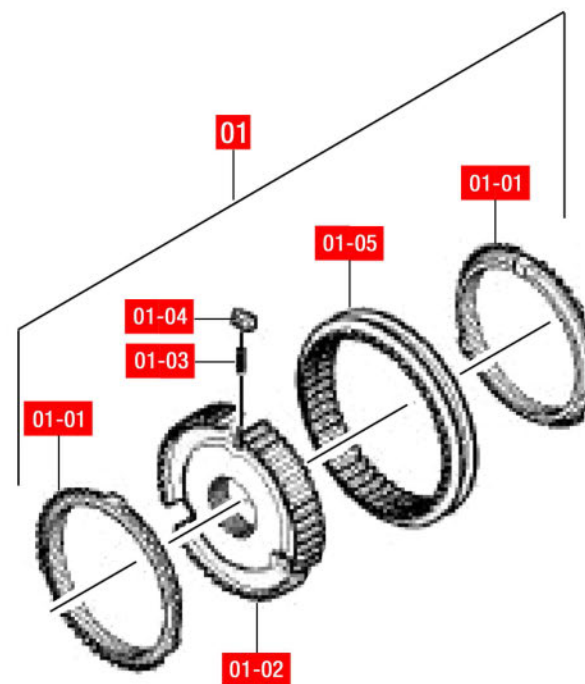
CHART **13**

CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION
13	01-01	T11838	1317 304 150	2	T/M THIRD AND FOURTH SPEED SYNCHRONIZER BLOCKING RING
13	01-02	T22699	1346 304 118	1	T/M SIXTH SPEED SYNCHRONIZER HUB
13	01-03	T11828	0732 042 510	3	T/M SYNCHRONIZER PRESSURE SPRING
13	01-04	T11833	1317 304 081	3	T/M SYNCHRONIZER FOLLOWER
13	01-05	11836	1333 304 061	1	T/M SYNCHRONIZER SLIDING COLLAR (48T.)

TO BE USED ALSO WITH SERIAL NUMBER: 1346 082 002 - 1346 082 003 - 1346 082 004

NOTE:
SEE CHART 04 FIG.05

TAS n°	OEM n°	DESCRIPTION	WEIGHT/Kg
T46557	1346 204 004	T/M SYNCHRONIZER ASSEMBLY	2,860





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CHART 13: SYNCHRONIZER KIT

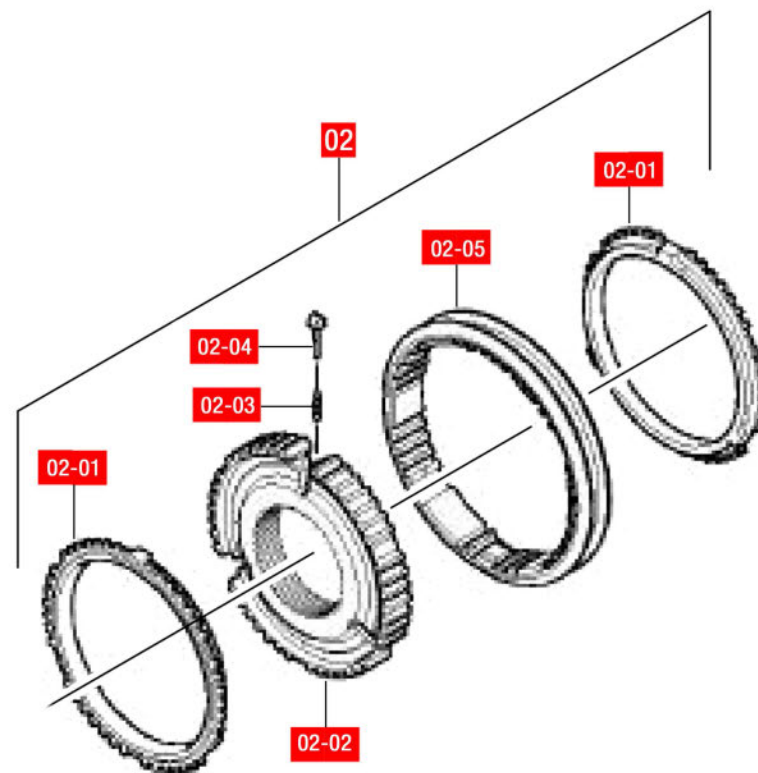
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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION
13	02-01	T15346	1268 304 594	2	T/M SYNCHRONIZER BLOCKING RING
13	02-02	T39075	1346 304 025	1	T/M THIRD AND FOURTH SPEED SYNCHRONIZER HUB
13	02-03	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING
13	02-04	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER
13	02-05	T38877	1310 304 195	1	T/M THIRD AND FOURTH SPEED SYNCHRONIZER SLIDING SLEEVE

TO BE USED ALSO WITH SERIAL NUMBER: 1346 082 002 - 1346 082 003 - 1346 082 004

NOTE:
SEE CHART 04 FIG.15

TAS n°	OEM n°	DESCRIPTION	WEIGHT/Kg
T39078	1346 204 005	T/M THIRD AND FOURTH SPEED SYNCHRONIZER	





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CHART 13: SYNCHRONIZER KIT

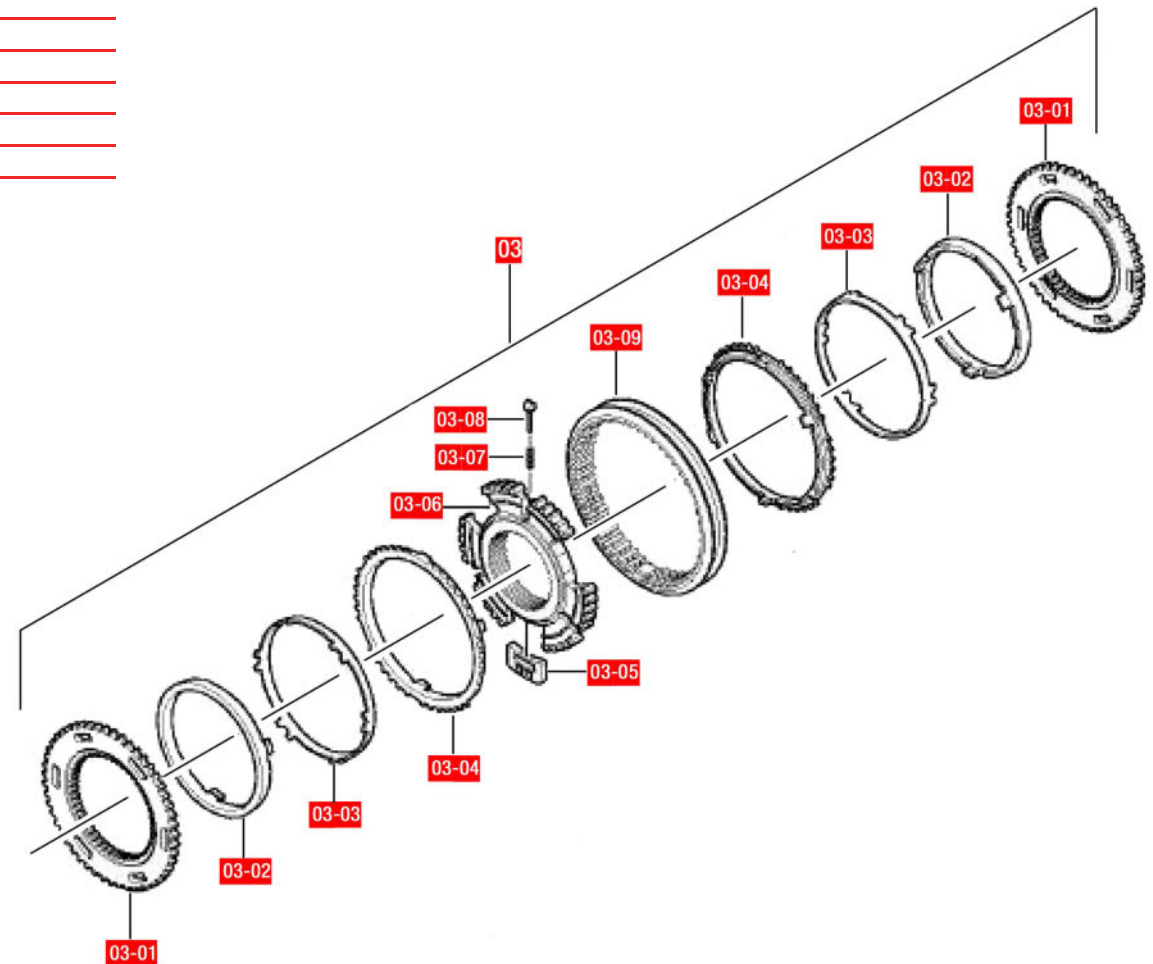
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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION
13	03-01		1346 304 092	2	CLUTCH DISC
13	03-02		1346 304 039	2	INNER RING
13	03-03	T38872	1346 304 038	2	T/M SYNCHRONIZER INTERMEDIATE RING
13	03-04		1346 304 033	2	OUTER RING
13	03-05		1346 304 091	1	SYNCHRO. BODY
13	03-06	T17222	1312 304 159	3	T/M SYNCHRONIZER SHIFTING PLATE
13	03-07	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING
13	03-08	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER
13	03-09		6002 305 994	1	SLIDING SLEEVE

TO BE USED ALSO WITH SERIAL NUMBER: 1346 082 004

NOTE:
SEE CHART 04 FIG.21

TAS n°	OEM n°	DESCRIPTION	WEIGHT/Kg
	1346 204 001	T/M SYNCHRONIZER ASSEMBLY	





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CHART 13: SYNCHRONIZER KIT

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CH.	FIG.	TAS n°	OEM n°	Q.ty	DESCRIPTION
13	04-01	T15346	1268 304 594	2	T/M SYNCHRONIZER BLOCKING RING
13	04-02		1346 304 026	1	SYNCHRONIZER HUB
13	04-03	T13440	0732 040 409	3	T/M SYNCHRONIZER PRESSURE SPRING
13	04-04	T15096	1297 304 436	3	T/M SYNCHRONIZER PRESSURE PLUNGER
13	04-05		1290 304 383	1	SLIDING SLEEVE

TO BE USED ALSO WITH SERIAL NUMBER: 1346 082 002 - 1346 082 003

NOTE:
SEE CHART 04 FIG.22

TAS n°	OEM n°	DESCRIPTION	WEIGHT/Kg
	1346 204 002	T/M SYNCHRONIZER ASSEMBLY	

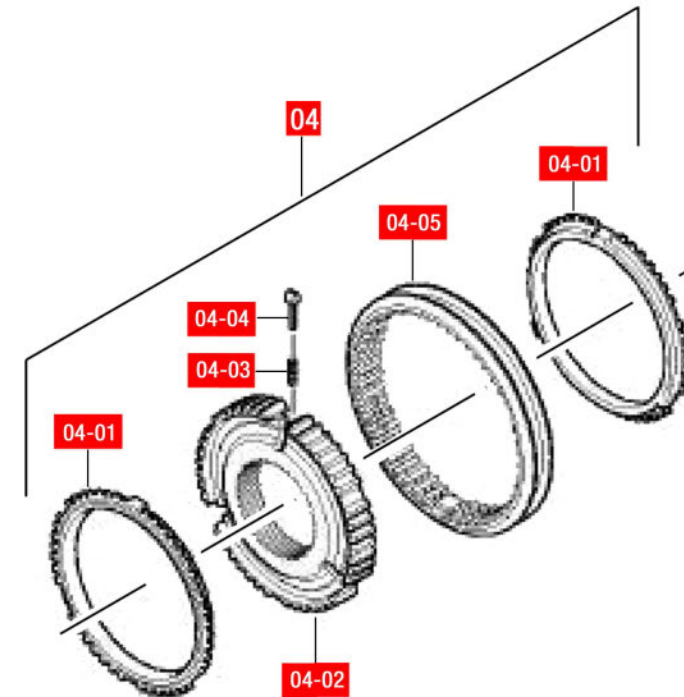


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TRACTOR AUTOMOBILE SPARES





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TAS n°	OEM n°	DESCRIPTION	PAG.
T11828	0732 042 510	T/M SYNCHRONIZER PRESSURE SPRING	09
T11833	1317 304 081	T/M SYNCHRONIZER FOLLOWER	09
T11836	1333 304 061	T/M SYNCHRONIZER SLIDING COLLAR (48T.)	09
T11838	1317 304 150	T/M THIRD AND FOURTH SPEED SYNCHRONIZER BLOCKING RING	09
T13440	0732 040 409	T/M SYNCHRONIZER PRESSURE SPRING	09;11
T15096	1297 304 436	T/M SYNCHRONIZER PRESSURE PLUNGER	09;11
T15346	1268 304 594	T/M SYNCHRONIZER BLOCKING RING	09;11
T17222	1312 304 159	T/M SYNCHRONIZER SHIFTING PLATE	11
T21176	1238 308 201	POWER TAKE OFF GASKET	03
T21662	0634 801 013	T/M SEALING RING 10X14	03
T21677	0634 801 062	T/M SEALING RING (18X24)	26
T21735	0730 008 637	T/M SEALING RING 24X29	03
T22012	0634 801 097	T/M GASKET 30X36	22
T22057	0734 303 046	T/M O-RING 59X3	18
T22699	1346 304 118	T/M SIXTH SPEED SYNCHRONIZER HUB	09
T22880	1290 306 066	T/M SHIFT FORK SLIDING BLOCK	16
T22894	1290 306 423	T/M SHIFT FORK SLIDING BLOCK	16
T38869	1346 304 047	T/M SYNCHRONIZER CONE	05;09
T38872	1346 304 038	T/M SYNCHRONIZER INTERMEDIATE RING	11
T38873	1346 304 094	T/M SYNCHRONIZER CONE	09
T38877	1310 304 195	T/M THIRD AND FOURTH SPEED SYNCHRONIZER SLIDING SLEEVE	09
T39075	1346 304 025	T/M THIRD AND FOURTH SPEED SYNCHRONIZER HUB	09
T39076	1346 304 093	T/M SYNCHRONIZER CONE	09
T39078	1346 204 005	T/M THIRD AND FOURTH SPEED SYNCHRONIZER	09
T46524	1346 302 054	INPUT SHAFT @	05
T46525	1346 304 107	MAIN SHAFT @	11
T46557	1346 204 004	SYNCHRONIZER	09
	1346 301 088	HOUSING	03
	0736 300 160	SCREW PLUG	03
	0636 304 088	SCREW PLUG	03
	1315 301 230	CLOSING COVER	03
	6060 368 075	BALL PIN	03
	1346 301 081	OUTPUT HOUSING	03

TAS n°	OEM n°	DESCRIPTION	PAG.
	0631 306 229	CYLINDRICAL PIN	03
	1328 301 170	COVER	03
	1346 302 078	GUIDE TUBE	05
	0734 319 782	SHAFT SEAL	05
	0630 531 076	RETAINING RING	05;07
	0735 330 801	BALL BEARING	05
	1346 302 081	INPUT SHAFT	05
	1290 312 111	PLACA DE SEGURIDAD	05
	0730 002 943	SHIM	07
	0730 004 705	SHIM	07
	0730 002 942	SHIM	07
	0730 004 706	SHIM	07
	0730 002 941	SHIM	07
	0730 003 429	SHIM	07
	0730 002 940	SHIM	07
	0730 003 430	SHIM	07
	0730 002 939	SHIM	07
	0730 003 431	SHIM	07
	0730 002 938	SHIM	07
	0730 003 432	SHIM 1,65	07
	0730 002 937	SHIM 1,70	07
	0730 003 433	SHIM 1,75	07
	0730 002 936	SHIM 1,80	07
	0730 003 434	SHIM 1,85	07
	0730 002 935	SHIM 1,90	07
	0730 003 435	SHIM 1,95	07
	0730 002 934	SHIM 2,00	07
	0730 004 731	SHIM 2,05	07
	0735 371 994	TA. ROLL. BEARING	07
	1346 303 038	HELICAL GEAR	07
	1346 303 039	HELICAL GEAR	07
	1346 303 040	HELICAL GEAR	07
	1346 303 046	HELICAL GEAR	07



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TAS n°	OEM n°	DESCRIPTION	PAG.
	1346 203 001	LAYSHAFT	07
	0735 372 217	TA. ROLL. BEARING	07
	0630 513 070	SNAP RING	09
	0735 358 346	ROLLER CAGE	09
	0735 295 223	INTERNAL RING	09
	0630 531 050	RETAINING RING	09
	1346 304 048	HELICAL GEAR	09
	0750 115 565	NEEDLE CAGE	09
	0730 300 992	SNAP RING	09
	0501 323 702	THRUST WASHER	09
	1346 304 099	HELICAL GEAR	09
	0750 115 566	NEEDLE CAGE	09
	0730 501 762	RETAINING RING	09
	1346 304 136	HELICAL GEAR	09
	0750 115 567	NEEDLE CAGE	09
	1346 304 054	HELICAL GEAR	11
	1346 204 001	SYNCHRONIZER	11
	1346 304 092	CLUTCH DISC	11
	1346 304 039	INNER RING	11
	1346 304 033	OUTER RING	11
	1346 304 091	SYNCHRO. BODY	11
	6002 305 994	SLIDING SLEEVE	11
	1346 204 002	SYNCHRONIZER	11
	1346 304 026	SYNCHRONIZER HUB	11
	1290 304 383	SLIDING SLEEVE	11
	0730 300 991	SNAP RING	11
	0735 321 529	NEEDLE CAGE	11
	1346 304 125	HELICAL GEAR	11
	0501 322 939	THRUST WASHER	11
	0735 295 239	INTERNAL RING	11
	1346 304 167	HELICAL GEAR	11
	1308 304 087	SLIDING SLEEVE	11
	1346 304 177	CLUTCH BODY	11

TAS n°	OEM n°	DESCRIPTION	PAG.
	0735 330 799	BALL BEARING	11
	1346 304 175	OUTPUT FLANGE	11
	1346 304 176	OUTPUT FLANGE	11
	0730 113 920	WASHER	11
	0636 100 541	HEXAGON SCREW	11
	0635 300 110	NEEDLE CAGE	14
	1346 305 057	REVERSE IDLER GEAR	14
	0630 502 014	RETAINING RING	14
	1346 305 039	REVERRRSE IDLER SHAFT	14
	1346 301 099	FIXING PLATE	14
	0501 217 826	GEAR SHIFT FORK	16
	1346 306 082	ARTICULAT. BOLT	16
	1346 306 030	ARTICULATION BOLT	16
	0730 301 379	SPRING WASHER	16
	0501 218 383	GEAR SHIFT FORK	16
	1346 306 088	ARTICULAT. BOLT	16
	1346 306 023	ARTICULATION BOLT	16
	0501 217 828	GEAR SHIFT FORK	16
	0501 217 830	GEAR SHIFT FORK	16
	0501 217 832	DRAG LINK	16
	1346 307 345	GEAR SHIFT HOUSING	18
	1346 307 044	GEAR SHIFT HOUSING	18
	0730 260 703	BUSH	18
	0734 309 765	SHAFT SEAL	18
	1346 307 084	COVER	18
	1346 307 339	COVER	18
	0630 100 025	SEALING CAP	18
	0630 100 028	SEALING CAP	18
	0630 100 027	SEALING CAP	18
	0630 100 026	SEALING CAP	18
	0501 218 540	BREATHER	18
	0501 202 797	BREATHER	18
	0731 300 041	THREADED BUSH	18



TAS n°	OEM n°	DESCRIPTION	PAG.
	1217 307 063	COVER	18
	0634 306 308	O-RING	20
	1346 308 002	SPEEDOMETER COVER	20
	0501 210 856	PULSE SENSOR	20
	0750 111 334	SHAFT SEAL	20
	0730 301 376	WASHER	22
	0630 532 138	V-RING	22
	0730 301 374	WASHER	22
	0730 100 214	SHIM	22
	0730 301 119	WASHER	22
	0730 200 907	WASHER	22
	0732 040 237	COMPRESSION SPRING	22
	0732 040 630	COMPRESSION SPRING	22
	0732 040 765	COMPRESSION SPRING	22
	0732 040 022	SPRING	22
	1204 307 030	COMPRESSION SPRING	22
	1346 307 367	BUSH	22
	1346 307 005	SELECTOR LEVER	22
	1346 307 007	SELECTOR SHAFT	22
	0631 329 068	SLOTTED SPRING PIN	22
	0631 329 027	SLOTTED SPRING PIN	22
	0750 115 518	NEEDLE CAGE	22
	0750 111 574	SHAFT SEAL	22
	1346 307 051	LOCKING PIN	22
	0730 501 805	RETAINING RING A= 1,85 MM	22
	0630 501 367	RETAINING RING A= 1,75 MM	22
	0630 501 368	RETAINING RING A= 1,65 MM	22
	0630 501 369	RETAINING RING A= 1,55 MM	22
	0630 501 376	RETAINING RING A= 1,45 MM	22
	0630 501 377	RETAINING RING A= 1,35 MM	22
	0732 042 991	COMPRESSION SPRING	22
	0636 302 610	SCREW PLUG	22
	0501 008 552	RELEASE DEVICE	24

TAS n°	OEM n°	DESCRIPTION	PAG.
	6060 268 045	RELEASE FORK	24
	6060 368 057	RELEASE FORK	24
	0501 315 159	BALL CUP	24
	0501 324 061	BALL CUP	24
	0501 008 846	CLUTCH CYLINDER	24
	0501 216 474	SWITCH	26
	0731 201 757	PIN	26
	0731 201 759	PIN	26
	0636 100 791	SCREW PLUG	26
	0501 210 058	SWITCH	26
	0732 042 299	COMPRESSION SPRING	26
	0732 042 990	COMPRESSION SPRING	26
	1315 307 414	BOLT	26
	0731 300 013	PIN	26
	1346 307 368	GEAR SHIFT LEVER	28
	0636 010 593	HEXAGON SCREW	28
	0637 006 120	HEXAGON NUT	28
	0501 326 388	PROTECTING CAP	28
	1346 307 083	GEAR SHIFT SHAFT	28
	1346 307 369	GEAR SHIFT SHAFT	28
	1346 307 006	QUILL SHAFT	28
	0501 216 319	SERVOSHIFT	28
	0731 201 732	PIN	28
	0635 303 019	NEEDLE BUSH	28
	1316 208 002	VALVE LEVER	28
	0731 201 702	PIN	28
	1315 307 226	ROLLER	28
	1315 307 292	LEVER	28
	1346 307 003	DRIVER	28
	1346 307 048	DRIVER	28
	0731 201 623	PIN	28
	0631 315 522	CYLINDRICAL PIN	28
	0630 003 005	WASHER	28



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TAS n°	OEM n°	DESCRIPTION	PAG.
	0636 015 032	HEXAGON SCREW	28
	0630 501 006	RETAINING RING	28



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OEM n°	TAS n°	DESCRIPTION	PAG.
0501 008 552		RELEASE DEVICE	24
0501 008 846		CLUTCH CYLINDER	24
0501 202 797		BREATHER	18
0501 210 058		SWITCH	26
0501 210 856		PULSE SENSOR	20
0501 216 319		SERVOSHIFT	28
0501 216 474		SWITCH	26
0501 217 826		GEAR SHIFT FORK	16
0501 217 828		GEAR SHIFT FORK	16
0501 217 830		GEAR SHIFT FORK	16
0501 217 832		DRAG LINK	16
0501 218 383		GEAR SHIFT FORK	16
0501 218 540		BREATHER	18
0501 315 159		BALL CUP	24
0501 322 939		THRUST WASHER	11
0501 323 702		THRUST WASHER	09
0501 324 061		BALL CUP	24
0501 326 388		PROTECTING CAP	28
0630 003 005		WASHER	28
0630 100 025		SEALING CAP	18
0630 100 026		SEALING CAP	18
0630 100 027		SEALING CAP	18
0630 100 028		SEALING CAP	18
0630 501 006		RETAINING RING	28
0630 501 367		RETAINING RING A= 1,75 MM	22
0630 501 368		RETAINING RING A= 1,65 MM	22
0630 501 369		RETAINING RING A= 1,55 MM	22
0630 501 376		RETAINING RING A= 1,45 MM	22
0630 501 377		RETAINING RING A= 1,35 MM	22
0630 502 014		RETAINING RING	14
0630 513 070		SNAP RING	09
0630 531 050		RETAINING RING	09
0630 531 076		RETAINING RING	05;07

OEM n°	TAS n°	DESCRIPTION	PAG.
0630 532 138		V-RING	22
0631 306 229		CYLINDRICAL PIN	03
0631 315 522		CYLINDRICAL PIN	28
0631 329 027		SLOTTED SPRING PIN	22
0631 329 068		SLOTTED SPRING PIN	22
0634 306 308		O-RING	20
0634 801 013	T21662	T/M SEALING RING 10X14	03
0634 801 062	T21677	T/M SEALING RING (18X24)	26
0634 801 097	T22012	T/M GASKET 30X36	22
0635 300 110		NEEDLE CAGE	14
0635 303 019		NEEDLE BUSH	28
0636 010 593		HEXAGON SCREW	28
0636 015 032		HEXAGON SCREW	28
0636 100 541		HEXAGON SCREW	11
0636 100 791		SCREW PLUG	26
0636 302 610		SCREW PLUG	22
0636 304 088		SCREW PLUG	03
0637 006 120		HEXAGON NUT	28
0730 002 934		SHIM 2,00	07
0730 002 935		SHIM 1,90	07
0730 002 936		SHIM 1,80	07
0730 002 937		SHIM 1,70	07
0730 002 938		SHIM	07
0730 002 939		SHIM	07
0730 002 940		SHIM	07
0730 002 941		SHIM	07
0730 002 942		SHIM	07
0730 002 943		SHIM	07
0730 003 429		SHIM	07
0730 003 430		SHIM	07
0730 003 431		SHIM	07
0730 003 432		SHIM 1,65	07
0730 003 433		SHIM 1,75	07



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OEM n°	TAS n°	DESCRIPTION	PAG.
0730 003 434		SHIM 1,85	07
0730 003 435		SHIM 1,95	07
0730 004 705		SHIM	07
0730 004 706		SHIM	07
0730 004 731		SHIM 2,05	07
0730 008 637	T21735	T/M SEALING RING 24X29	03
0730 100 214		SHIM	22
0730 113 920		WASHER	11
0730 200 907		WASHER	22
0730 260 703		BUSH	18
0730 300 991		SNAP RING	11
0730 300 992		SNAP RING	09
0730 301 119		WASHER	22
0730 301 374		WASHER	22
0730 301 376		WASHER	22
0730 301 379		SPRING WASHER	16
0730 501 762		RETAINING RING	09
0730 501 805		RETAINING RING A= 1,85 MM	22
0731 201 623		PIN	28
0731 201 702		PIN	28
0731 201 732		PIN	28
0731 201 757		PIN	26
0731 201 759		PIN	26
0731 300 013		PIN	26
0731 300 041		THREADED BUSH	18
0732 040 022		SPRING	22
0732 040 237		COMPRESSION SPRING	22
0732 040 409	T13440	T/M SYNCHRONIZER PRESSURE SPRING	09;11
0732 040 630		COMPRESSION SPRING	22
0732 040 765		COMPRESSION SPRING	22
0732 042 299		COMPRESSION SPRING	26
0732 042 510	T11828	T/M SYNCHRONIZER PRESSURE SPRING	09
0732 042 990		COMPRESSION SPRING	26

OEM n°	TAS n°	DESCRIPTION	PAG.
0732 042 991		COMPRESSION SPRING	22
0734 303 046	T22057	T/M O-RING 59X3	18
0734 309 765		SHAFT SEAL	18
0734 319 782		SHAFT SEAL	05
0735 295 223		INTERNAL RING	09
0735 295 239		INTERNAL RING	11
0735 321 529		NEEDLE CAGE	11
0735 330 799		BALL BEARING	11
0735 330 801		BALL BEARING	05
0735 358 346		ROLLER CAGE	09
0735 371 994		TA. ROLL. BEARING	07
0735 372 217		TA. ROLL. BEARING	07
0736 300 160		SCREW PLUG	03
0750 111 334		SHAFT SEAL	20
0750 111 574		SHAFT SEAL	22
0750 115 518		NEEDLE CAGE	22
0750 115 565		NEEDLE CAGE	09
0750 115 566		NEEDLE CAGE	09
0750 115 567		NEEDLE CAGE	09
1204 307 030		COMPRESSION SPRING	22
1217 307 063		COVER	18
1238 308 201	T21176	POWER TAKE OFF GASKET	03
1268 304 594	T15346	T/M SYNCHRONIZER BLOCKING RING	09;11
1290 304 383		SLIDING SLEEVE	11
1290 306 066	T22880	T/M SHIFT FORK SLIDING BLOCK	16
1290 306 423	T22894	T/M SHIFT FORK SLIDING BLOCK	16
1290 312 111		PLACA DE SEGURIDAD	05
1297 304 436	T15096	T/M SYNCHRONIZER PRESSURE PLUNGER	09;11
1308 304 087		SLIDING SLEEVE	11
1310 304 195	T38877	T/M THIRD AND FOURTH SPEED SYNCHRONIZER SLIDING SLEEVE	09
1312 304 159	T17222	T/M SYNCHRONIZER SHIFTING PLATE	11
1315 301 230		CLOSING COVER	03
1315 307 226		ROLLER	28



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OEM n°	TAS n°	DESCRIPTION	PAG.
1315 307 292		LEVER	28
1315 307 414		BOLT	26
1316 208 002		VALVE LEVER	28
1317 304 081	T11833	T/M SYNCHRONIZER FOLLOWER	09
1317 304 150	T11838	T/M THIRD AND FOURTH SPEED SYNCHRONIZER BLOCKING RING	09
1328 301 170		COVER	03
1333 304 061	T11836	T/M SYNCHRONIZER SLIDING COLLAR (48T.)	09
1346 203 001		LAYSHAFT	07
1346 204 001		SYNCHRONIZER	11
1346 204 002		SYNCHRONIZER	11
1346 204 004	T46557	SYNCHRONIZER	09
1346 204 005	T39078	T/M THIRD AND FOURTH SPEED SYNCHRONIZER	09
1346 301 081		OUTPUT HOUSING	03
1346 301 088		HOUSING	03
1346 301 099		FIXING PLATE	14
1346 302 054	T46524	INPUT SHAFT @	05
1346 302 078		GUIDE TUBE	05
1346 302 081		INPUT SHAFT	05
1346 303 038		HELICAL GEAR	07
1346 303 039		HELICAL GEAR	07
1346 303 040		HELICAL GEAR	07
1346 303 046		HELICAL GEAR	07
1346 304 025	T39075	T/M THIRD AND FOURTH SPEED SYNCHRONIZER HUB	09
1346 304 026		SYNCHRONIZER HUB	11
1346 304 033		OUTER RING	11
1346 304 038	T38872	T/M SYNCHRONIZER INTERMEDIATE RING	11
1346 304 039		INNER RING	11
1346 304 047	T38869	T/M SYNCHRONIZER CONE	05;09
1346 304 048		HELICAL GEAR	09
1346 304 054		HELICAL GEAR	11
1346 304 091		SYNCHRO. BODY	11
1346 304 092		CLUTCH DISC	11
1346 304 093	T39076	T/M SYNCHRONIZER CONE	09

OEM n°	TAS n°	DESCRIPTION	PAG.
1346 304 094	T38873	T/M SYNCHRONIZER CONE	09
1346 304 099		HELICAL GEAR	09
1346 304 107	T46525	MAIN SHAFT @	11
1346 304 118	T22699	T/M SIXTH SPEED SYNCHRONIZER HUB	09
1346 304 125		HELICAL GEAR	11
1346 304 136		HELICAL GEAR	09
1346 304 167		HELICAL GEAR	11
1346 304 175		OUTPUT FLANGE	11
1346 304 176		OUTPUT FLANGE	11
1346 304 177		CLUTCH BODY	11
1346 305 039		REVERRRSE IDLER SHAFT	14
1346 305 057		REVERSE IDLER GEAR	14
1346 306 023		ARTICULATION BOLT	16
1346 306 030		ARTICULATION BOLT	16
1346 306 082		ARTICULAT. BOLT	16
1346 306 088		ARTICULAT. BOLT	16
1346 307 003		DRIVER	28
1346 307 005		SELECTOR LEVER	22
1346 307 006		QUILL SHAFT	28
1346 307 007		SELECTOR SHAFT	22
1346 307 044		GEAR SHIFT HOUSING	18
1346 307 048		DRIVER	28
1346 307 051		LOCKING PIN	22
1346 307 083		GEAR SHIFT SHAFT	28
1346 307 084		COVER	18
1346 307 339		COVER	18
1346 307 345		GEAR SHIFT HOUSING	18
1346 307 367		BUSH	22
1346 307 368		GEAR SHIFT LEVER	28
1346 307 369		GEAR SHIFT SHAFT	28
1346 308 002		SPEEDOMETER COVER	20
6002 305 994		SLIDING SLEEVE	11
6060 268 045		RELEASE FORK	24



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OEM n°	TAS n°	DESCRIPTION	PAG.
6060 368 057		RELEASE FORK	24
6060 368 075		BALL PIN	03



TRACTOR AUTOMOBILE SPARES

Head Office:

Via Argine, 306 - 80147 Napoli

Tel.: +39 081 7520645

Fax: +39 081 7529475

web@tas-spa.com

www.tas-spa.com



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