



MPB: SBF, INC.
RIDE: ON THE ROAD

ON THE ROAD

OPERATION AND MAINTENANCE MANUAL

BIG TRUCKS

ON THE ROAD



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NAME OF RIDE (Nome attrazione)	ON THE ROAD	
SERIAL NUMBER (Numero di serie)	159.021	
MANUFACT. YEAR (Anno di costruzione)	1999	
BASE DIMENSIONS (Dimensioni di base)	Ø 6.10 MT. (20')	
NR OF CARS (Nr. Vetture)	5	
NR OF SEATS (Nr. Posti)	20	
TOT WEIGHT (EMPTY) (Peso tot. a vuoto)	2.600 Kg	
TOT WEIGHT (LOADED) (Peso tot. A pieno carico)	3.600 Kg	
WEIGHT OF EACH PASSENGER (Peso max passeggeri)	1.000kg.	
MOTIVE POWER (Forza motrice)	2 Kw.	
LIGHTING (Illuminazione)	1,5 Kw	
OPERATING TEMPERATURE (Temp. Funzionamento)	-	
VOLTAGE (Vollaggio)	3 PHASE 220V	SINGLE PHASE
Hz	50	60 <input checked="" type="checkbox"/>
STANDARDS DIN (Normative DIN)	DIN 1055 - DIN 4112 - DIN 4114 - DIN 15018 - DIN 17100 - DIN 18800	
INSPECTED (Ispezionato il)	MAY '99	
NAME OF CUSTOMER (Nome cliente)	MUSEI 4U - CUP ENTERPRISE	
ORDER NR. (Numero ordine)	PO 1075 - (GAC 91)	
MAIN COMPONENT LIST (Lista componenti principali)	MOTOR / MAIN BEAMING	
PUMP MOTOR (Motore pompa)	500w C480 A3/95	
ROTATION MOTOR (Motore rotazione)	-	
GEAR BOX (Riduttore)	REF. (Pg.)	
CONTROL BOARD (Quadro comandi)	ON TRAILER (Su carro) <input checked="" type="checkbox"/>	PARK ((Parco fisso)
MODEL (Modello)	MODEL 100/2	
ELECTRONIC CONTROLLER (Scheda elettronica)	THIS RIDE HAS BEEN DESIGNED AND CONSTRUCTED FOR PASSENGERS AGED	
	(Questa giostra è stata disegnata e costruita per passeggeri di età)	
	YEARS (Anni)	
	WHEN ORDERING SPARE PARTS PLS ALWAYS REFER TO OUR ORDER NR.	
	(Nell'ordinare pezzi di ricambio fare sempre riferimento al ns. numero ordine)	
NOTE:		



2.0 VERY IMPORTANT

Because safety rules can be different in different countries, operation of this ride must conform to safety rules in force in the country where this ride is operated and provide at his own cost for all modification necessary to conform with said local safety rules including but not limited to fencing, gates, safety belts, operation stand, special wiring, other safety features as it may be required by local safety inspector.

This ride has been sold as it is and how inspected by buyer who knows that some changes could effect structural integrity must approved by manufacturer.
Operator must be a skilled operator with full knowledge of ride operator, emergency procedures and any other information necessary for safe operation of this ride.

3.0 INTRODUCTION

This operation and maintenance manual has been written to allow our customers to use the attraction in the best way.

SBF s.r.l. recommends to read it very carefully.

This manual has several safety rules related to use and maintenance of the ride.

These rules are obligatory for owners and operators of the attraction who must not disregard them for any reason.

Note that these rules do not substitute those disposed by the public authorities and the duty to use the ride carefully and properly, either.

SBF s.r.l. is not responsible for the damages caused by the non-observance of these safety rules and it reserves the right to act both against the owner and the operator and to notify the competent authorities about any abuse.

4.0 WARNINGS FOR THE MANUAL USE

Before starting any operation concerning use, maintenance or assembling, read carefully the notes hereafter.
FOR ANY QUESTION, PLEASE CONTACT US DIRECTLY.

SBF s.r.l. reserves the right to inform their customers about other necessary details for better use of the attraction.
Such information, as modifications, updatings, additions, must be considered as integral parts of this manual.
The content of this manual belongs exclusively to SBF s.r.l.
The technical data are reserved to :

- customers, owners and operators;
- personnel in charge;
- technical inspector's acting under public authority's order.

Any other publication is forbidden, except for SBF s.r.l. written permission which reserves the right to safeguard its interests and rights.



36 in min.

4.1 VISUAL PLATES

The attraction is delivered with metal plates and self-sticking labels reporting important indications.

Such indications do not substitute the rules indicated in this manual and can not be considered as sole rules to observe, either. They are an important help for the customers' best use of the ride.

Do not remove or damage these plates, but keep them always readable.

If their replacement is necessary, metal plates and self-sticking labels should be required to SBF s.r.l., indicating their code number.

Should it be necessary any updatings, modifications, etc., SBF s.r.l. reserves the right to inform their customers properly and to introduce such modifications aiming at a better use of the ride.

4.2 GENERAL RULES CONCERNING THE ATTRACTION USE

This attraction has been planned create fun and amuse people. Follow these fundamental rules to obtain the highest safety conditions for the public.

Follow strictly the instructions contained in this manual and others that SBF s.r.l. reserves to supply.

Use the attraction for the purpose it has been planned and submit it to an accurate maintenance.

Operate according to the national and local authorities' laws and regulations.

The personnel must be competent and accurately trained.

It is forbidden to make additions, modifications or tamperings.

Reparations must be done only by SBF s.r.l. authorised personnel and using only original spare parts.

If the ride has not a good and safe operation, the customer must stop immediately the attraction, until the necessary conditions for a good use have been established.

4.3 PASSENGERS AND THEIR BEHAVIOUR

These dispositions, as all the others regarding the passengers inside this manual, are valid also for the service personnel, when they occupy places usually reserved to the passengers.

Because of the ride characteristics, it must be forbidden to:

- children under 3-years old;
 - children between 3-5 years old if not accompanied by adults;
 - children being visibly upset;
 - people visibly drunk or under the effect of drugs;
 - pregnant women;
 - people suffering of heart diseases, backbone diseases or physically unhealthy;
 - people with physical handicaps, who cannot sit properly inside the vehicles;
 - adults with children between 3-5 years old, must sit near them and survey their correct behaviour;
 - it is forbidden to smoke and to carry: animals, umbrellas, sticks, bulky and sharpened objects;
 - behave properly without causing throngs, leaning out, raising up from the seats, eluding safety devices, etc.;
- since the regulations are directed to children, messages through loudspeaker and signals should be easily understandable.
- for foreign people it would be useful to put multilinguals signals.



4.4 WEATHER CONDITIONS LIMITING THE FUNCTIONING OF THE RIDE

The attraction has not been planned for the snow charge, therefore the snow must be removed.

The attraction must not work during the following atmospheric phenomena:

- rain, snow, hail
- thunderstorm
- with wind speed over 20m/s

After heavy raining and heavy snowing the ground condition can vary: check very carefully the attraction levelling and the wooden supports after these phenomena.

4.5 BEFORE OPERATING

Make carefully the daily checkings particularly what follows:

- check the general condition of the ride and the proper tightening and locking of all the fastening and support components;
- check the perfect fastening of all components of the motorization (motor, gear-box, etc.) and of the moving parts (arms, plugs, etc.) and of the vehicles (seats, safety belts, plastics, fairings, etc.);
- check the proper grounding connection of the ride;
- check the efficiency of the different devices of the general switches using the proper test button;
- check the attraction when it is empty, checking its functionality in all conditions;
- check the proper emergency stop operation.

4.6 DURING THE OPERATION - SPECIAL NOTES

Keep the complete control of the attraction, paying particular attention to the passengers' and public's behaviour.

The public must be outside the loading and unloading area, and this area must be properly marked.

If the public should enter it or behave dangerously, stop immediately the attraction, being sure that this stop does not cause a greater danger.

If some passengers should feel sick or behave dangerously for theirs or others safety, stop immediately the attraction being sure that this stop does not cause a greater danger.

The operator and the service personnel must be ready to face any emergency situation, knowing all procedures and having at their disposal the necessary means to grant the public's and the passengers' safety and a swift and ordered exit.

4.7 PASSENGERS UNLOADING

The passengers unloading must happen in the foreseen area and when the attraction is absolutely stopped.

The service personnel of the area must make sure that the passengers go out quickly; they will inform the operator that the area is completely free and the passengers can be loaded again.

The passengers can descend from the vehicles only when they are completely stopped.



4.8 LOADING AND UNLOADING PASSENGERS - PARTICULAR WARNINGS

The passengers loading and unloading must happen in the proper area and when the vehicles are stopped.

The public must stay outside the loading and unloading area and the passengers inflow in this area is to be in order. If tumultuous throng should fear the public rush in this area, stop immediately all operations.

Check that the loading and unloading area is accessible to the passengers only when the ride is stopped.

Advise the passengers properly, through loudspeakers and signs, that it is forbidden to lean out from the vehicles, to get up or to behave dangerously.

Check that the passengers sit properly inside the vehicles with the safety belt.

Check that the passengers are correctly arranged in the vehicles to avoid unbalances and irregular movements.

5.0 WARRANTY CONDITIONS

The warranty conditions are indicated in the purchase contract, and the validity depends on the complete observance of the procedures and warnings stated in this manual.

Any type of warranty or liability shall become void in the event of non-compliant use, or damages as a result of negligence or modifications to the machine without the written authorisation of SBF s.r.l.

CAUTION: upon delivery to the buyer, make sure that the attraction is in perfect condition and that none of the parts and/or units required for its proper operation are missing.

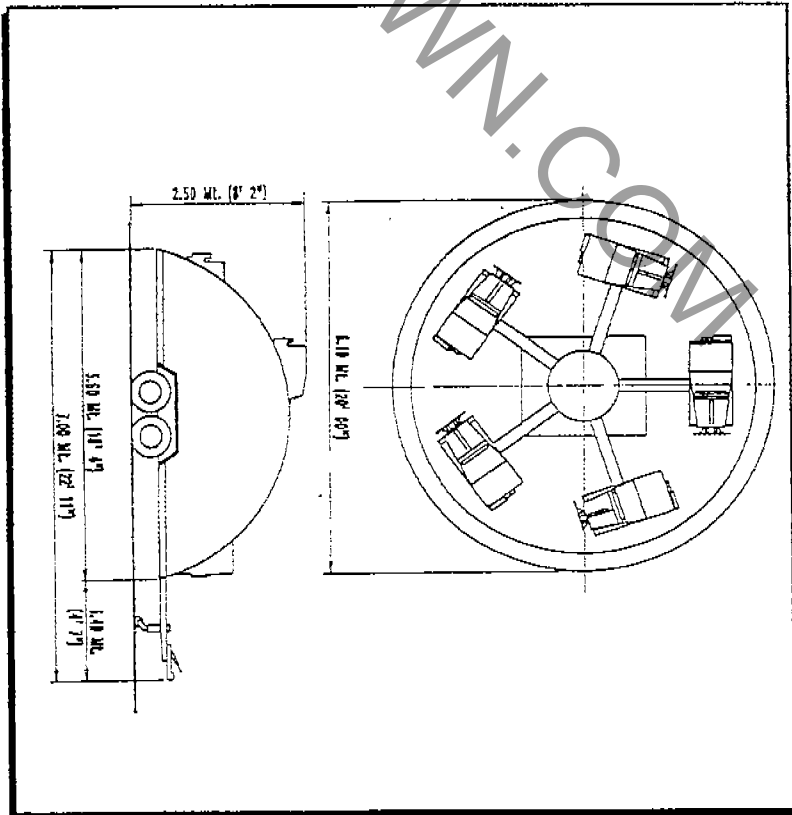
N.B. : in the event the attraction is seen to be damaged, or there are missing parts, advise SBF s.r.l. immediately.

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6.0 ATTRACTION DESCRIPTION

The attraction called «ON THE ROAD» has been designed for children's fun.
The attraction is made by a circular platform on which the vehicles turn by arms.
The rotation is given by a base bearing where are fixed the vehicles arms.
The attraction works thank to the 3 motorized vehicles.
The start and stop control bottons are placed on a control panel.



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7.0 INSTALLATION

POSITIONING

The attraction must be placed on flat, solid ground, ensuring the base is duly supported.

<1> the electrical connections, controls and emergency push-button must be easily accessible, and access to them free of obstacles.

WIRING

First of all, ensure that the line voltage and frequency correspond to those of the attraction.

In addition, make sure that the electric power supply is greater than the attraction maximum power absorption.

The ride must be connected to an efficient earthing ground.

<1> only skilled personnel should be granted access to the panel board; disconnect the power supply before opening the electric box door.

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8.0 OPERATION

/ ATTENTION

After switching on:

- the general switch 1
- the F.M. switch 2
- the control switch
- the light switches

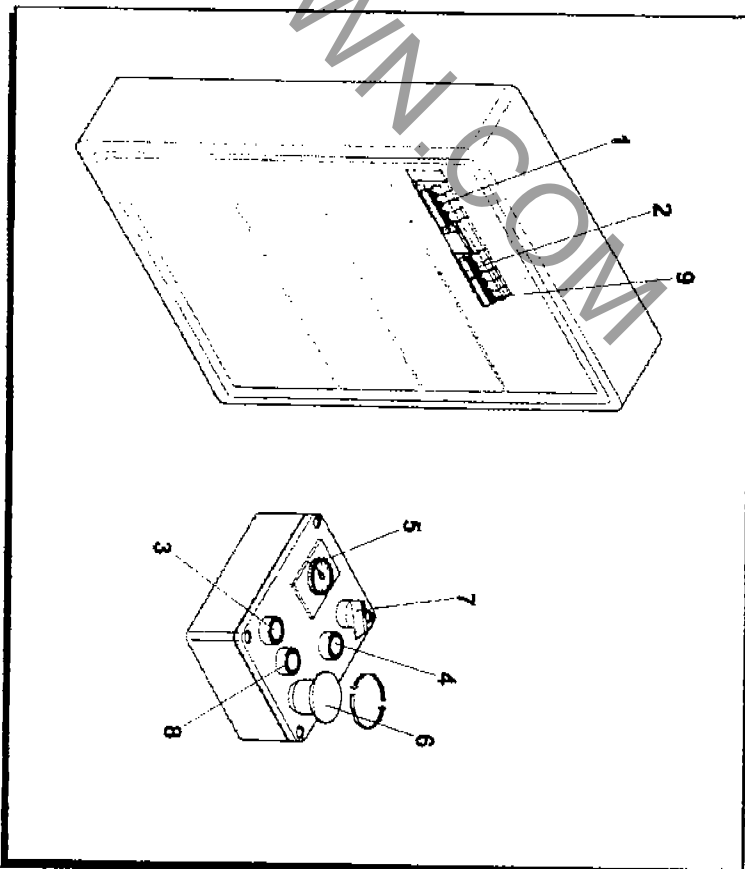
Proceede at the starting of the ride.

It's sufficient to press the start button 3

To stop the ride press the button 8. The ride is provided with an automatic stop timer that will control the ride time. It is adjustable from 0 to 6 minutes through the external ring nut 5. The timer can be excluded by the selector 7. In addition there is an acoustic control device that will advise the public of the beginning of the ride with the button 4.

The ride is also supplied with a security device 6 which in case of danger, if pressed will completely stop the ride. To make it re-operate it's sufficient to rotate this button 6 anti-clock wise.

The rotation speed can be changed by adjusting the regulator of the electric card of the engine, placed inside the central body. It's advisable for a better security of your guests the to keep speed as adjusted in the factory (4/4,5 rpm). In addition, for a good operation of your ride it's recommended to not exide in the use of the regulator and always do minimum movements. Some versions are equipped of music (under request) escludable by the proper switch.





9.0 STEEL STRUCTURE

All steel structures have been planned, calculated and built to carry out their task for a long time and without problems, but some fundamental rules are to be observed and respected.

9.1 USE AND MAINTENANCE

Do not damage these structures with an improper use, submitting them to unexpected loads, making wrong operations of assembling, dismantling and transport.

Do not change the structures functionality, making weldings of different kinds, adding welded elements even of little dimensions, making holes, even if little ones, structural cuttings and what ever can endanger its integrity.

Submit the structure to an accurate maintenance, avoiding through regular re-painting the rust formation.

Be sure that there is no backwaters keeping always sealed the openings, and free from obstruction the draining holes.

9.2 BREAKINGS

- the formation of tiny cracks, which under variable loads during the time become bigger causing serious damages, is a rare event if there is a correct planning and proper construction.

however, operative conditions of the attraction, different from those expected, just as other different reasons, can cause breakings.

- the periodical visual check must be extremely efficient to find out probable breakings, to avoid the destruction of the structure.

- check carefully the structure, particularly where there are weldings, joints, linkings, sections replacements, and general discontinuities (beads, holes, attacks, gussets, etc.); in these places it is easier the formation of cracks and consequently of breakings.

- an accurate visual check, carried out periodically as suggested in the general checks table, permits to find out the cracks or breakings before the structure is seriously and definitely compromised.

Be careful to the paint or galvanizing conditions: a paint cleaving, above all if there is also a rust escape, generally means a cleaving into the underlying material.

- if there is any problem in the visual check (and the suspect of possible cracks remains), contact specialised companies in not destructive controls and SBF srl to make more detailed checks.

If there are cracks or breakings in progress, stop immediately all operations and contact SBF srl.



9.3 CORROSION

- on open steel structures a periodical repaint is an effective prevention against corrosion.

- more difficult is the prevention and the control of the corrosion in the close structures (box structures, tubular elements, etc.) especially if the elements are thin.

In this case, it is possible to check, in particular conditions, relevant phenomena of corrosion, which after some years could reduce the thickness and endanger seriously the exercise of the structure.

In all parts of the steel structure susceptible of such danger, make no more than three years after its construction, periodical controls, every year, or if there are corrosive phenomena, every six months.

Such controls must be effected by specialized companies in not destructive controls, having the personnel and the means to make thickness measurements on closed structures.

Particularly, submit to check the following parts:

- in the tubular structures, underputting them to a general control that has to be particularly careful as, for their position or structure, present often backwaters;

- ride frames, generally made up by a small thickness and submitted to great backwaters; if the areas to check are covered by fiberglass for the frame tightening to the metallic structure, proceed to a small quantity of the fiberglass to make the measurements of the thickness and so, with the help of qualified personnel, to restore the connection;

- the structures where it is fixed frame elements, coverings, decorative elements or lightings;

- the structures constantly underground or, however, difficult to reach.

If there is a reduction of the thickness more of the 15% than the initial one, stop immediately all operations and contact SBF s.r.l.

10.0 CONNECTIONS THROUGH PINS AND PLUGS

Connections through bolts and plugs for rides are:

- connections where, once connected, there is no relative movement between parts;
 - connections where there is a relative occasional movement;
 - connections where the relative movement is frequent.
- In the last two cases, usually there is in the interposition of rolling or sliding bearings between pins and housings.

10.1 USE AND MAINTENANCE

Do not damage such connections by unproper use, submitting them to unexpected loads, making wrong operations of assembling, dismantling and transport.

After the connection functionality do not make any kind of weldings, changing or making inefficient the safety mechanisms of connection, heating the connection elements, making holes, structural cuttings or whatever could compromise its integrity.

Maintain the connection, in order to avoid seizings and corrosions.



10.2 CHECKINGS

Check all plugs and pins connections according to the previous chapters and the general checks table.

wear, deformations, corrosion

These connections, with or without relative movements, are usually subject to wear and seldom to deformations or corrosive phenomena.

Wear, as well as the other mentioned phenomena, could occur on the pin, on the holes or on the interplaced bearings, and if contained within certain limits, do not compromise the connections.

To determine the maximum admissible levels for these phenomena is difficult and not practical, for the great number of connections on the attraction.

This is a general information, leaving more details only to cases considered indispensable.

Usually, the connection control must assure that:

- the play between pins and holes has not become excessive; where the values of the maximum admissible play are not indicated, it is meant a play considered anomalous by competent personnel, who considers what kind of connection, its dimensions and its functioning.
- the pin has alterations of form or dimension such as ovalisations, upsettings, steps, seizings, pittings and other corrosive attacks.
- the hole, or the bearing, do not present analogous defects on the inner surface.

cracks

Check carefully the connection elements and in particular the pins, to discover probable breakings, usually caused by fatigue.

This is a little defect which can become bigger during the time till the complete destruction of the element.

These fatigue cracks have generally their origin near discontinuities such as diameter changes, slots for seeger rings or splines, slots for mechanisms which have to prevent the rotation and the escape of the pins and others. check these parts after having taken away filthiness, grease.

Check very carefully the pin, accurately ungreased and washed, in the already mentioned zones: if there is any doubt contact SBF srl for more detailed controls.

If there is any doubt of the general condition of pins and plugs connection, on which can depend the attraction safety, stop immediately all operations and contact SBF srl.

11.0 STEEL NUTS AND BOLTS

Check very carefully all screw connections, both those made in the factory and not dismantled (if not for maintenance and repair) and those to be assembled at every ride installation, because they are extremely important for safety and reliability of the ride.



11.1 RESISTANCE CLASSES

Usually are used commercial screws at high resistance of 8.8 and 10.9 classes (uni 3740-din iso 898).

Screws class nr. 12.9 are not in use, because, in spite of their high resistance, can get fragile breakings.

The resistance class of screws and nuts is easily identifiable, because marked over their heads.

In replacement case:

Use screws and nuts of the same resistance of the original ones; as there is no correspondence between the resistance class din or uni and that of other rules (sae, astm, etc.); it is absolutely forbidden to use different nuts and bolts than those indicated;

Use class of resistance nuts compatible to the screws class of resistance (to which are coupled);

order the special screws directly to SBF srl; when expected, use only washers for high resistance nuts and bolts (uni 5714-din 6916).

11.2 TIGHTENING

The proper screws tightening is fundamental for a safe operation of the connection.

A strong tightening (extra-tightening) can produce permanent plastic deformations compromising the connections toughness.

On the other hand, a loose tightening (under-tightening) can produce:

- ① subsidences for fatigue;
- ② loosening;
- ③ slippings off of connected parts and bolt cutting.

For a correct screw tightening or for a periodic check, use exclusively a dynamometric key of proper dimensions, after having carefully read instructions for use included with the same key.

Turn the nut for a correct bolts tightening.

In the following table are listed the values of the tightening moments for wide pitch external threads iso type uni 5931 - din 912, uni 5737 - din 931, uni 5739 - din 933.

These values are taken by the most trustworthy literature and they are valid for connection effected in the factory not submitted to repeated assemblings and dismantlings.

If there are connections submitted to repeated assemblings and dismantlings, in order not to damage the screws, it is advisable to apply a tightening moment reduced of 10%.

FREQUENT ASSEMBLINGS AND DISMANTLINGS		10.9		CLASS ⇒		SELDOM ASSEMBLINGS AND DISMANTLINGS	
CLASS ⇒	THREAD ↓	Nm	Nm	THREAD ↓	Nm	Nm	10.9
M8	M8	22	32	M8	25	35	
M10	M10	44	62	M10	49	69	
M12	M12	76	110	M12	84	120	
M14	M14	120	170	M14	130	190	
M16	M16	220	315	M16	245	350	
M18	M18	265	380	M18	295	420	
M20	M20	380	540	M20	420	600	
M22	M22	565	810	M22	630	900	
M24	M24	690	990	M24	770	1100	
M27	M27	1040	1450	M27	1160	1650	
M30	M30	1390	1980	M30	1540	2200	
M33	M33	1730	2480	M33	1930	2750	
M36	M36	2390	3420	M36	2660	3800	



Take care of not painted parts and exposed to atmospheric phenomena (es, dowels, plugs, screws, etc.) using one of the following protective greases:

GREASE	TYPE:
AGIP	GR PV2
MACH - BP	GP 2
CHEVRON	CUP GR2
ESSO	ESTAN 2
FINA	MERKAN 2
GULF	GST 2
MOBIL	MOBIL GREASE A.A.N.2.
SHELL	UNEDO GR2

12.0 ORDINARY MAINTENANCE

12.1 DAILY MAINTENANCE

- check that all electrical connections are duly coupled
- check the proper operation of all control and safety devices before starting the ride
- check the operation of the buttons «START» and «EMERGENCY» before running the ride with people

12.2 15 DAYS MAINTENANCE

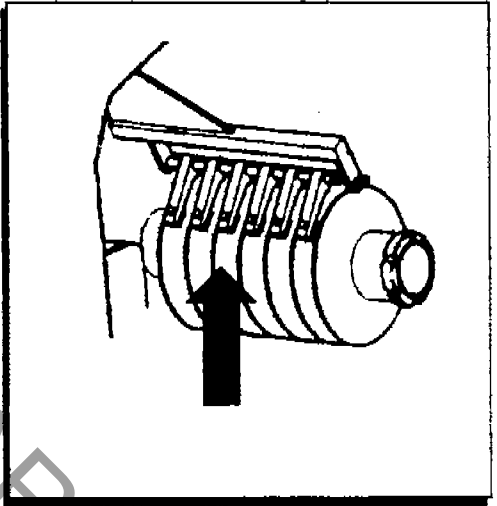
- grease the main bearing through the two proper greasers (the one in front of the other one) with the greases listed on the table 1A

Sisterna rotolamiento Rolling system	
A	
	Araldo da 248 K a 403 K (da 25°C a +130°C)
	HL P 2 da 249 K a 403 K Grease da 249 K a 403 K
	LTX EP 2 (da 30°C a +130°C)
	Spearsol da 259 K a 393 K EFL 2 (da 20°C a +120°C)
	Epoxa da 249 K a 393 K ZFI (da 30°C a +120°C)
	Passon da 249 K a 403 K EP 2 (da 25°C a +130°C)
	Mobilux da 259 K a 393 K EP 2 (da 20°C a +120°C)
	Avante da 236 K a 403 K Grease 2 (da 35°C a +130°C)



12.3 MONTHLY MAINTENANCE

- check the wearing condition of the collector brushes, placed inside the centre
- if necessary, replace the brushes by loosening the proper screw
- check the state of erosion of the rollers. if necessary, replace them.



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12.4 GEAR BOX MAINTENANCE

It is necessary to replace the oil gear after the first 150-200 hours of operation and then every 2500 hours or 12 months.

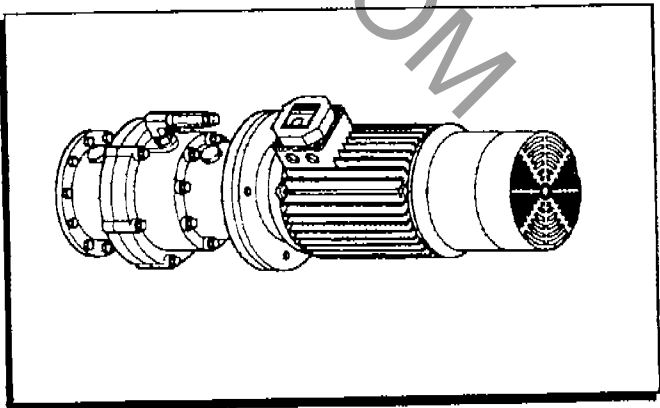
In order to facilitate the elimination of impurities, it is suggested to replace the oil when the gear box is warm.

It is advisable also to check the oil level at least once a month adding some oil if necessary.

please use oil type as per schedule 1.

SCHEDULE 1

LUBRICANT	(-20°C +5°C)	(+5°C +30°C)	(+30° +40°C)	(-30°C +66°C)
ISO 3448	IV 98 min	IV 98 min	IV 98 min	IV 185 min
AGIP	VA 100	VA 150	VA 320	VA 150-200
ARAL	Deqol BG 100	Bialia 150	Bialia 320	Dialia S 220
BP MACH	GR XP 100	Deqol BG 150	Deqol BG 320	Deqol GS 220
CASTROL	Alpha SP 100	GR XP 150	GR XP 320	SQR XP 220
KLUBER	Lamora 100	Alpha SP 150	Alpha 320	Alpha SN 6
ESSO	Spartan EP 100	Lamora 150	Lamora 320	Compressor LG150
GULF	5partan EP 100	Spartan EP 150	Spartan EP 320	
I.P.	Melina 100	EP lubr HD 150	EP lubr HD 320	Telesin Oil 150
MOBIL	Omalia oil 100	Melina 150	Melina 320	
SHELL	Carier EP 100 N	Mobilgear 629	Mobilgear 632	Glydole 22
TOTAL	Reducteur SP 100	Omalia oil 150	Omalia oil 320	Twela Oil SA
ELF	Reducteur SP 100	Carier EP 150	Carier EP 320 N	ELF ORITIS 125MS



REDUCTION GEAR



13.0 EXTRA MAINTENANCE

after the first 30 working hours check and fix all bolts of the attraction.

p.s. : all maintenance operations must be done only by qualified people and under total absence of current

PLEASE NOTE THE FOLLOWING

FOR A GOOD OPERATION OF YOUR RIDE WE RECOMMEND YOU TO FOLLOW STRICTLY ALL RULES MENTIONED IN THIS MANUAL.
ALL MAINTENANCE OPERATIONS MUST BE CARRIED OUT BY SKILLED, QUALIFIED PERSONNEL AND WITHOUT ELECTRIC POWER.
SHOULD ANY PROBLEMS OR DOUBTS ARISE, DO NOT HESITATE TO CONTACT OUR COMPANY IMMEDIATELY, GIVING THE MOST POSSIBLE DETAILS. OUR TECHNICIANS WILL BE AT YOUR COMPLETE DISPOSAL.

14.0 PERIODS OF INACTIVITY

If the attraction is not in operation for extended periods, store it in a safe, sheltered place.

follow the procedure below in order to avoid oxidation, corrosion or any other form of deterioration:

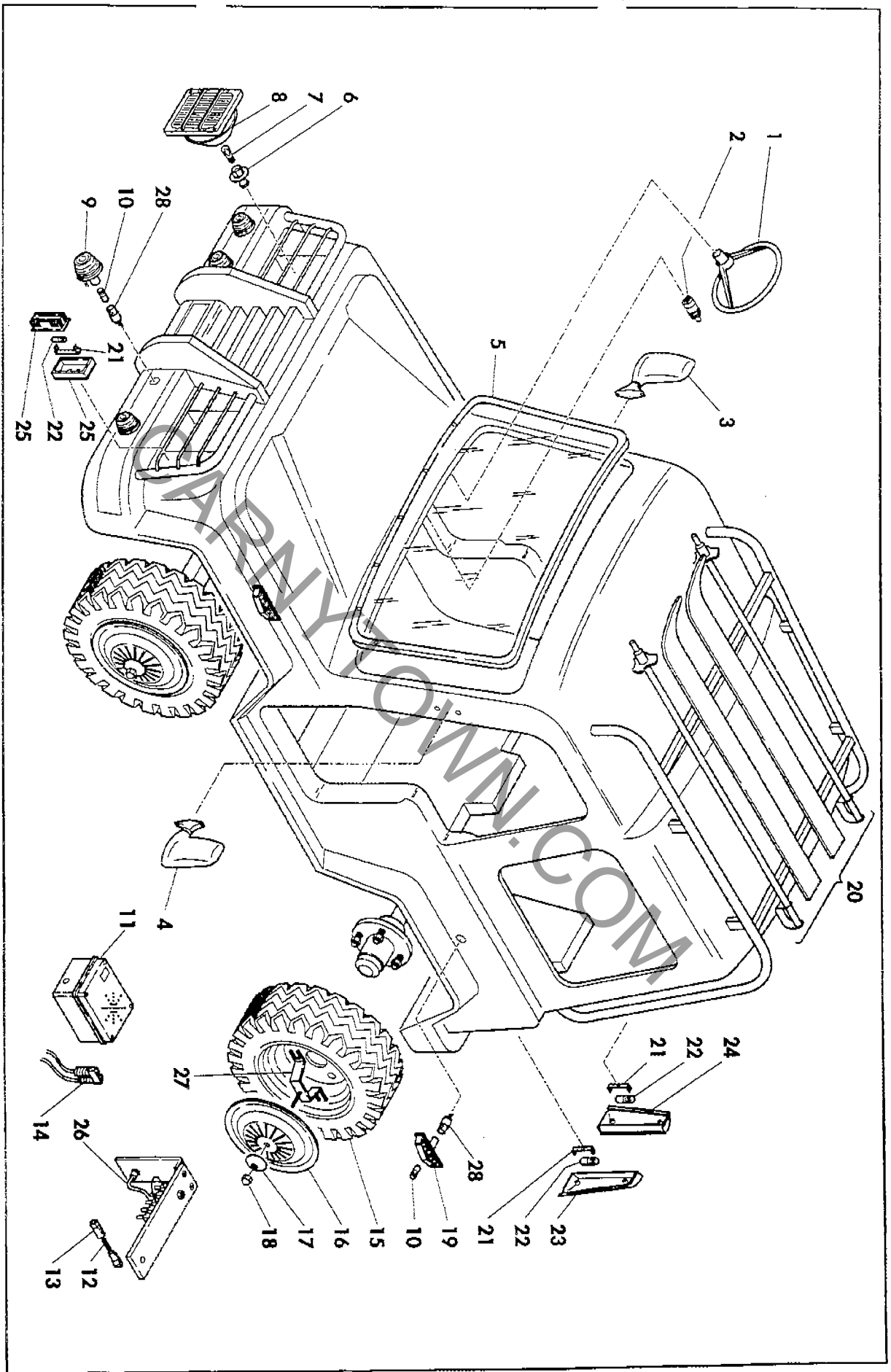
- ◆ disconnect the wiring so that the attraction can not be operated.
- ◆ clean thoroughly and, if necessary, touch-up the paint work so as to avoid rust forming, and replace any damaged parts.
- ◆ smear grease on the ring bevel gear and pinion gears.
- ◆ cover the attraction with polyester film in order to protect it from dust.

15.0 RESTARTING THE ATTRACTION

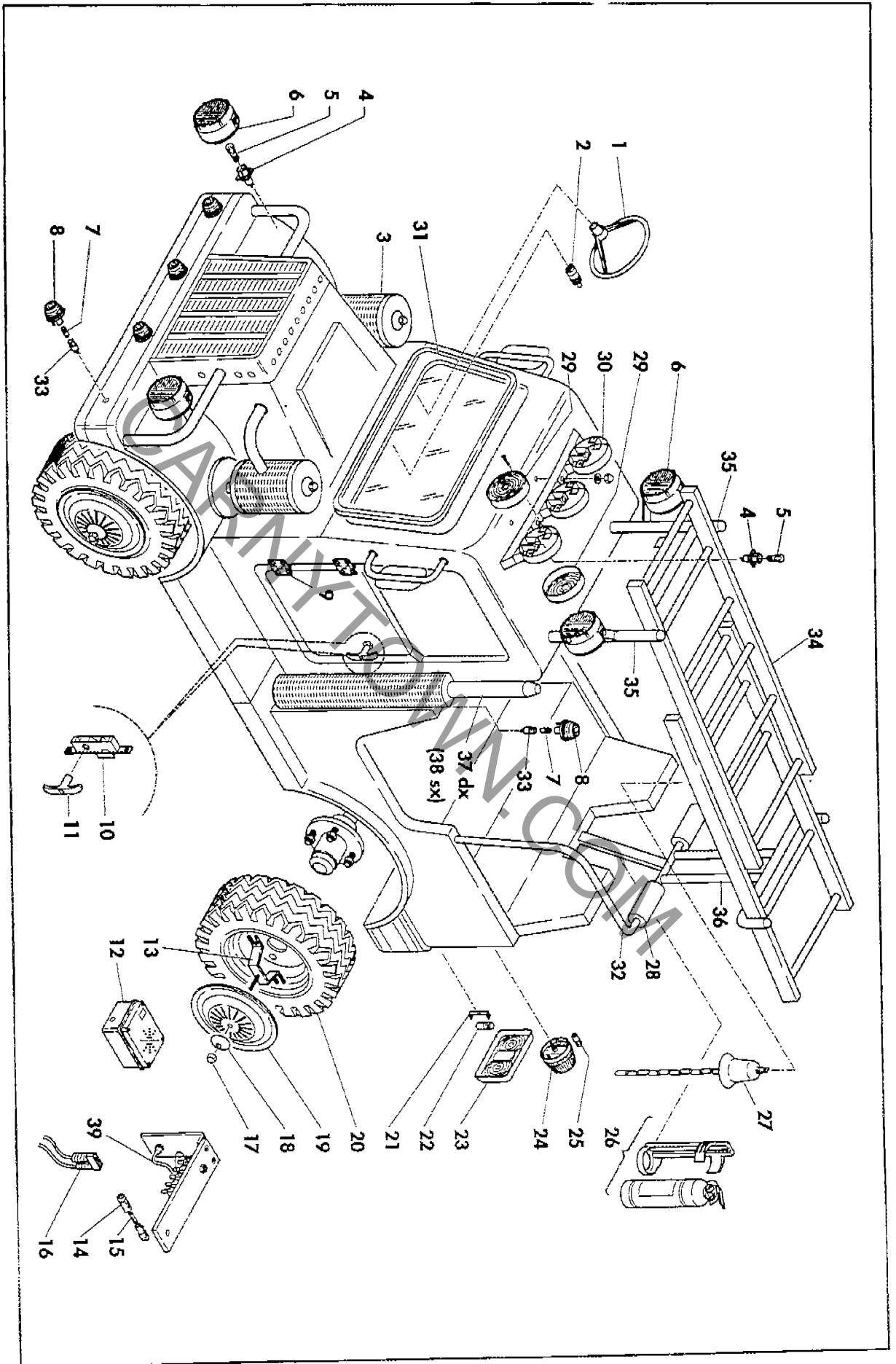
Before restarting the attraction after it has not been in operation for an extended period, proceed as follows:

- ◆ remove the temporary covering used to protect against dust.
- ◆ connect the attraction up to the mains.
- ◆ check that the controls on the panel are all working properly.
- ◆ perform a test ride without any passengers so that general working can be checked.

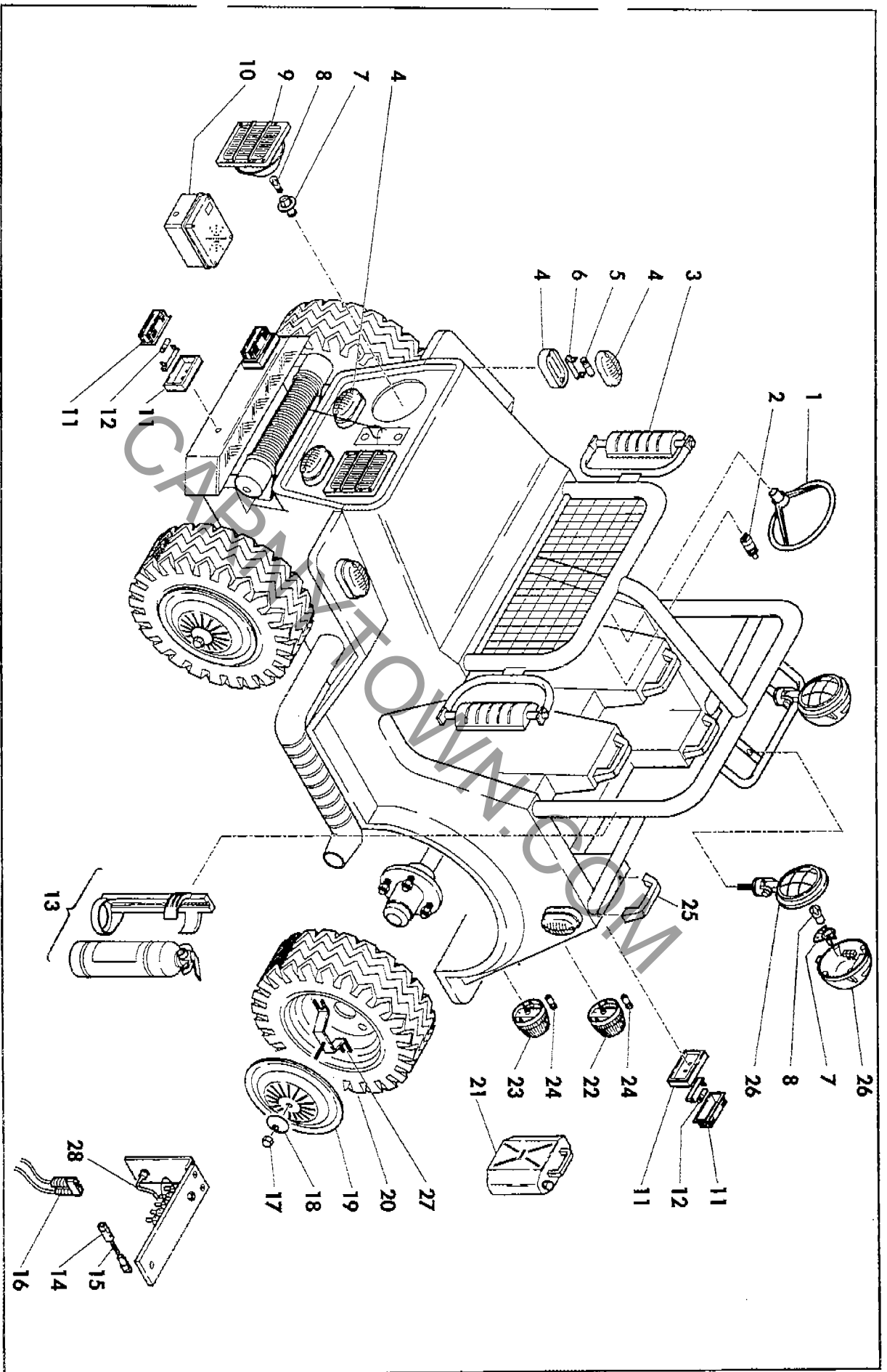
CARNYTON



N.	COD.	DESCRIZIONE	DESCRIPTION
1	0160200100	VOLANTINO SBF	STEERING WHEEL
2	0209900100	PULSANTE SUONO	BUTTON
3	0160300100	SPECCHIETTO RETROVISORE DESTRO	RIGHT REAR MIRROR
4	0160300200	SPECCHIETTO RETROVISORE SINISTRO	LEFT REAR MIRROR
5	1910107801	PARABREZZA ANTERIORE	FRONT WINDSHIELD
6	0170202300	PORTALAMPADA PL 070	BULB HOLDER
7	0200100200	LAMPADINA E14 24V 3W	BULB
8	0170101500	PROIETTORE ANTERIORE	FRONT FLASHER
9	0170105000	FANALINO ANTERIORE ARANCIONE	FRONT ORANGE LAMP
10	0200100700	LAMPADINA 24V 3W BA9S	BULB
11	0200360200	SCATOLA SUONO 90W	SOUND BOX
12	0200860100	FUSIBILE 8 A	FUSE
13	0209900700	PORTAFUSIBILE	FUSE HOLDER
14	0200700500	CONNETTORE 60A	CAR CONNECTING
15	0300000400	RUOTA 16-6-50-8	WHEEL
16	0160302900	COPRIGERCHIO	RIM COVER
17	0160303900	BORCHIA COPRIMOZZO	STUD FOR HUBCAP
18	0153800509	DADO CIECO MB	ACORN NUT
19	0170102600	FANALINO LATERALE	SIDE LAMP
20	0160300700	KIT SCIL	SKI SET
21	0200200200	PORTALAMPADA SILURO	BULB HOLDER
22	0200101000	LAMPADINA SILURO 48V 3W	BULB
23	0170100100	PLASTICA FANALINO POSTERIORE SX	LEFT REAR PLASTIC LAMP
24	0170100101	PLASTICA FANALINO POSTERIORE DX	RIGHT REAR PLASTIC LAMP
25	0170100600	FANALINO POSTERIORE COMPLETO	REAR LAMP
26	0209900200	DIODO 45/04	DIODE
27	0160304000	STAFFA	BRACKET
28	0200200100	PORTA LAMPADA BAIONETTA BA9	BAYONET LAMP HOLDER



N.	COD.	DESCRIZIONE
1	0160200100	VOLANTINO SBF
2	0209900100	PULSANTE SUONO
3	1910102101	GRIGLIA FILTRO ARIA
4	0170202300	PORTALAMPADA E14
5	0200100200	LAMPADINA 48V 3W E14
6	0170102800	PROIETTORE ANTERIORE
7	0200100700	LAMPADINA 48V 3W BA9S
8	0170104800	FANALINO ANTERIORE
9	0160301600	CERNIERA PORTA
10	0160301400	SERRATURA PORTA CON BATTENTE
11	0160200700	MANIGLIA PORTA
12	0200300200	SCATOLA SUONO 90W
13	0160300400	STAFFA
14	0209900700	PORTAFUSIBILE A MORSETTO
15	0200600100	FUSIBILE 8 A
16	0200700500	CONNETTORE 50A
17	0153800509	DADO CIECO M8
18	0160303900	BORCHIA COPRIMOZZO
19	0160302900	DISCO COPRIRUOTA Ø240
20	0300000400	RUOTA COMPLETA 16-6 50-8
21	0200200200	PORTALAMPADA SILURO
22	0200101000	LAMPADINA SILURO 48V 3W
23	0170101000	PLASTICA FANALE POSTERIORE
24	0170103100	FANALE POSTERIORE BIANCO
25	0200100900	LAMPADINA 48V 5W BATES
26	0160300400	ESTINTORE CON STAFFA DI SUPPORTO
27	0160300500	CAMPANELLA IN OTTONE
28	0160303800	PARACOLPI
29	0170200200	PLASTICA DIAMETRO 100
30	1910102102	TRIS FANALI
31	0160402000	VETRO ANTERIORE
32	1910102001	MANIGLIONE DI PROTEZIONE
33	0200200100	PORTALAMPADA A BAIONETTA BA9
34	1910102104	SCALA
35	1910102105	SUPPORTO ANT.
36	1910102106	SUPPORTO POST.
37	1910102107	TUBO SCARICO DX
38	1910102108	TUBO SCARICO SX
39	0209900200	DIODO 45/04



big tyre

N.	COD.	DESCRIZIONE
1	0160200100	VOLANTINO SBF
2	0209900100	PULSANTE SUONO
3	1910100701	SPECCHIETTO RETROVISORE
4	0170100700	FANALINO ANTERIORE
5	0200200200	PORTALAMPADA SILURO
6	0200100800	LAMPADINA SILURO 24V 3W
7	0170202300	PORTALAMPADA E14
8	0200100200	LAMPADINA E14 24V 3W
9	0170101500	FANALE ANTERIORE
10	0200300200	SCATOLA SUONO
11	0200100700	LAMPADINA 24V 3W BA9S
12	0170104800	FANALINO SU PARAFURTI
13	0160300400	ESTINTORE CON STAFFA DI SUPPORTO
14	0209900700	PORTAFUSIBILE A MORSETTO
15	0200800100	FUSIBILE 8A
16	0200700500	CONNETTORE 50A
17	0153800509	DADO CIECO M8
18	0160303900	BOBCHIA COPRIMOZZO
19	0160304100	DISCO COPRIRUOTA
20	0300000700	RUOTA 5.00-10
21	0160300900	TANICHETTA LT.3
22	0170101900	FANALE ROSSO
23	0170103100	FANALE BIANCO
24	0200100900	LAMPADINA 24V 5W BA 15S
25	0160200500	MANIGLIA POSTERIORE
26	0170101100	FANALE TRATTORE
27	0160304000	STAFFA
28	0209900200	DIODO 45/04

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2 3 4 5 6 7 8 9 10 11 12 13 14 15

QUADRO GENERALE
BOX GENERAL

- 01
- 02
- 03
- 04
- 05
- S41
- F11

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- pag. 2 ; col. 2
- pag. 2 ; col. 3-4
- pag. 2 ; col. 4-5
- pag. 2 ; col. 6-7
- pag. 2 ; col. 11-12
- pag. 2 ; col. 1

ALIMENTAZIONE
ALIMENTATION
CABLO PULSANTIERA
CABLES PANEL

SIUONO
BELL

E1

VELOCITA'
SPEED

T1

pag. 2 ; col. 1-2

K1

pag. 2 ; col. 10-11
pag. 2 ; col. 3-4

pag. 2 ; col. 3-4

N1

X1
->LUCI- LIGHT

pag. 2 ; col. 4-5

X2

pag. 2 ; col. 6-7

->LUCI- LIGHT


X5

pag. 2 ; col. 3

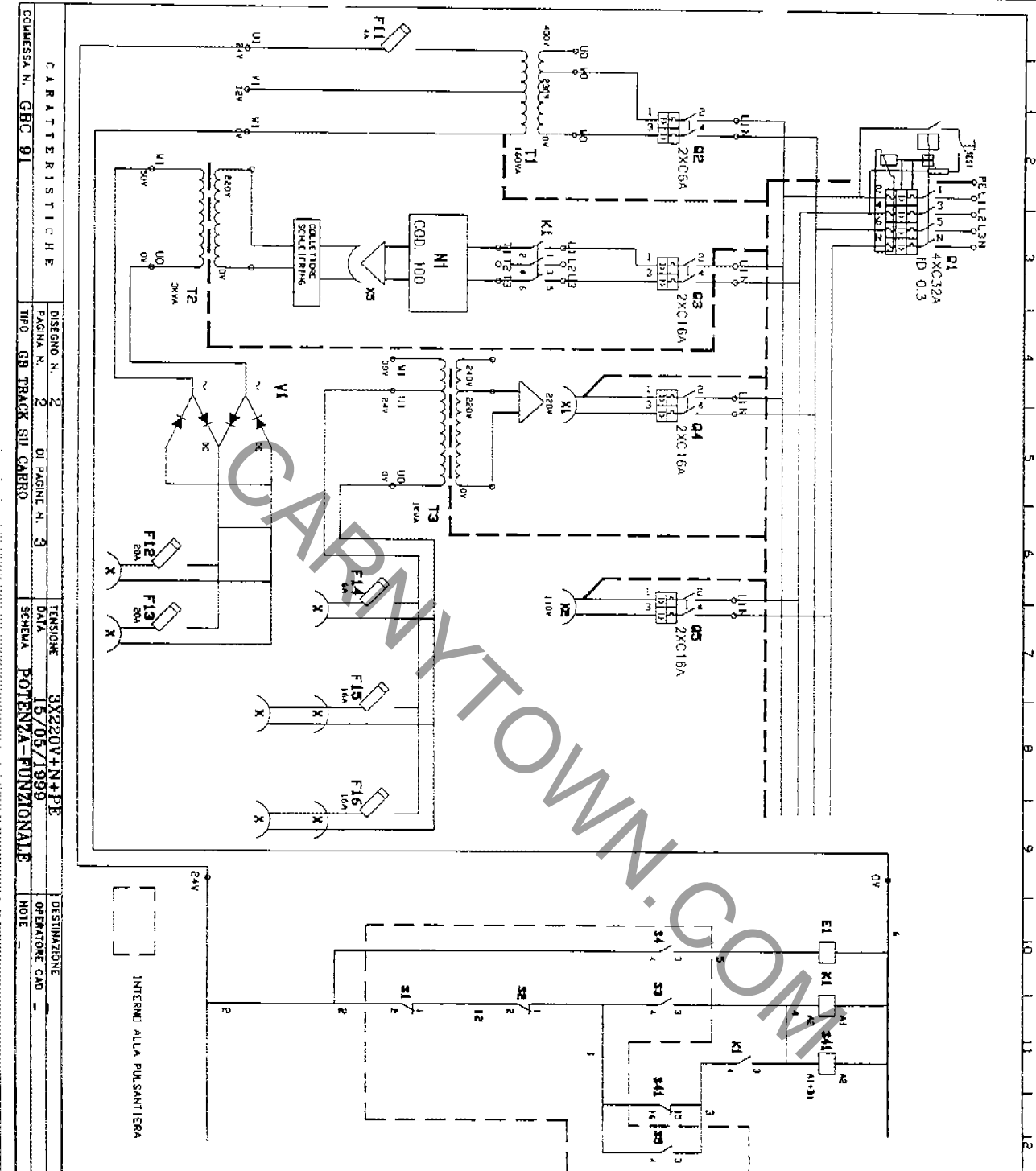
->MOTORE- MOTOR

400x500x200

CARATTERISTICHE		DISSEGNO N.	1	DI PAGINE N.	3	TENSIONE	3x220V+-N+PE	DESTINAZIONE	
CONMESSA N. CBC 91		PAGINA N.	1			DATA	15/05/1989	OPERATORE CAD	
		TIPO	GB TRACK SU CARRO			SCHEMA TOPOGRAFICO BOX 1		NOTE	



35040 CASALE DI SCODOSIA
(PADOVA) ITALY
Via 4 Novembre, 20
Tel. 0429/847098
Fax. 0429/847433



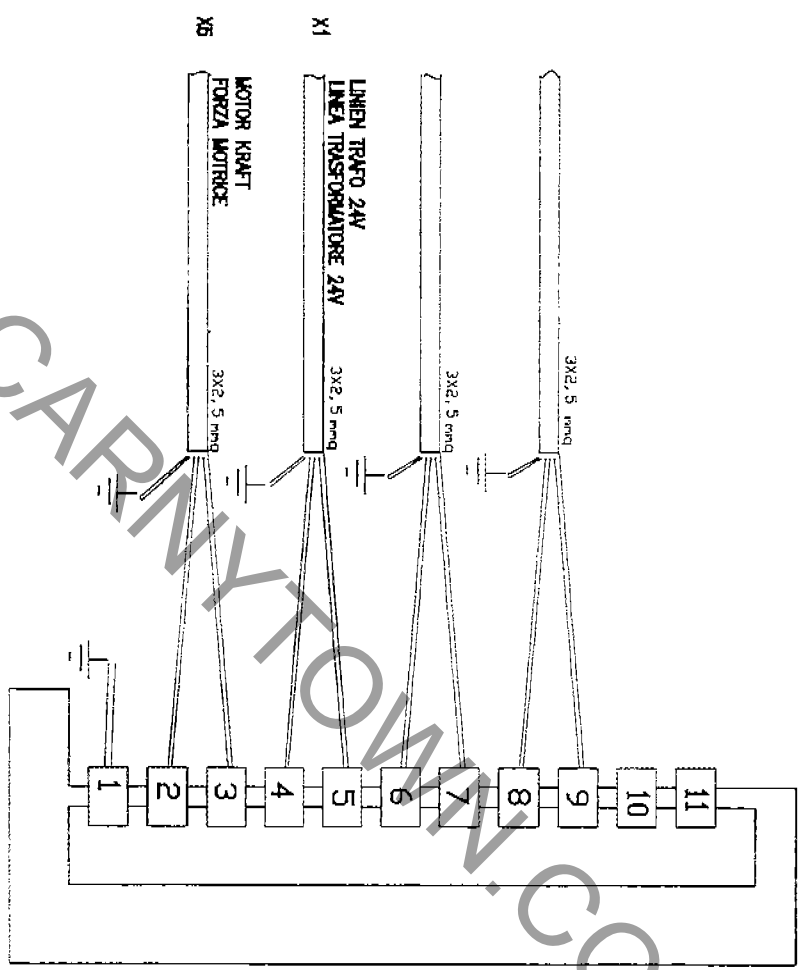
CARATTERISTICHE
 COMMESSA N. GBC 91
 TIPO GB TRACK SU CARRO
 DISEGNO N. 2
 PAGINA N. 2
 DI PAGINE N. 3
 TENSIONE 3X220V+N+PE
 DATA 15/05/1999
 SCHEMA POTENZA-FUNZIONALE
 DESTINAZIONE OPERATORE CAD
 NOTE


01	= GENERAL SWITCH
02	= ON/OFF LINE SWITCH
03	= MOVING POWER SWITCH
04	= LIGHTING SWITCH
05	= LIGHTING SWITCH
X1	= LIGHT SOCKET
X2	= LIGHT SOCKET
X3	= LIGHT MOVING POWER
N1	= CARD ELECTRONIC
K1	= CONTACTOR ROTATION
T1	= TRANSFORMATOR MOVING POWER
T2	= TRANSFORMATOR LIGHTING
T3	= TRANSFORMATOR LIGHTING
F1	= GRAND FUSE
F2	= MOVING POWER FUSE
F3	= MOVING POWER FUSE
F4	= LIGHTING FUSE
F5	= LIGHTING FUSE
F6	= LIGHTING FUSE
V1	= RECEPTER
S1	= EMERGENCY
S2	= STOP
S3	= START
S4	= BELL SWITCH
S5	= AUTOMATIC-HANDUAL
X41	= THER ROTATION
L1	= BELL

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LEGENDA
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 S3 = START
 S4 = BELL SWITCH
 S5 = AUTOMATIC-HANDUAL
 X41 = THER ROTATION
 L1 = BELL

CARATTERISTICHE	DISSEGNO N.	3	DI PAGINE N.	3	TENSIONE	3X230V+1N+PE	OTTIMIZZAZIONE
COMMESSA N. GBC 91	PAOMA N.	3			DATA	15/05/1999	OPERATORE CAD
	TIPO	GB TRACK SU CARRO			SCHEMA	TOPOGRAFICO	NOTE





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