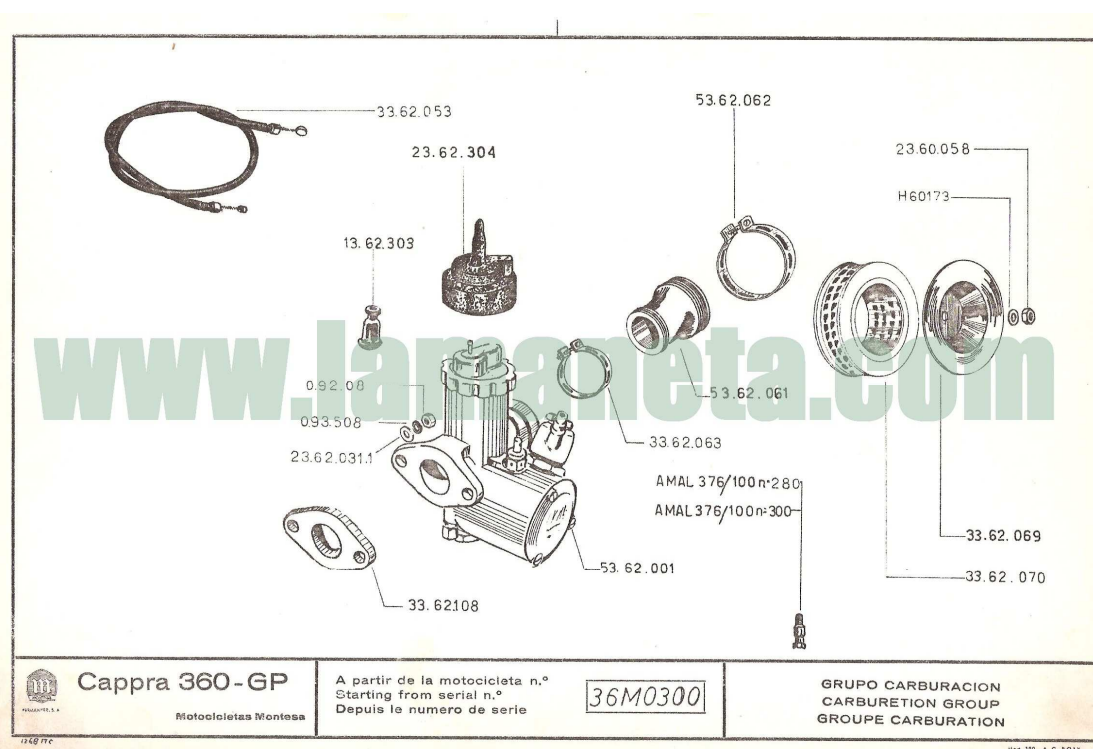
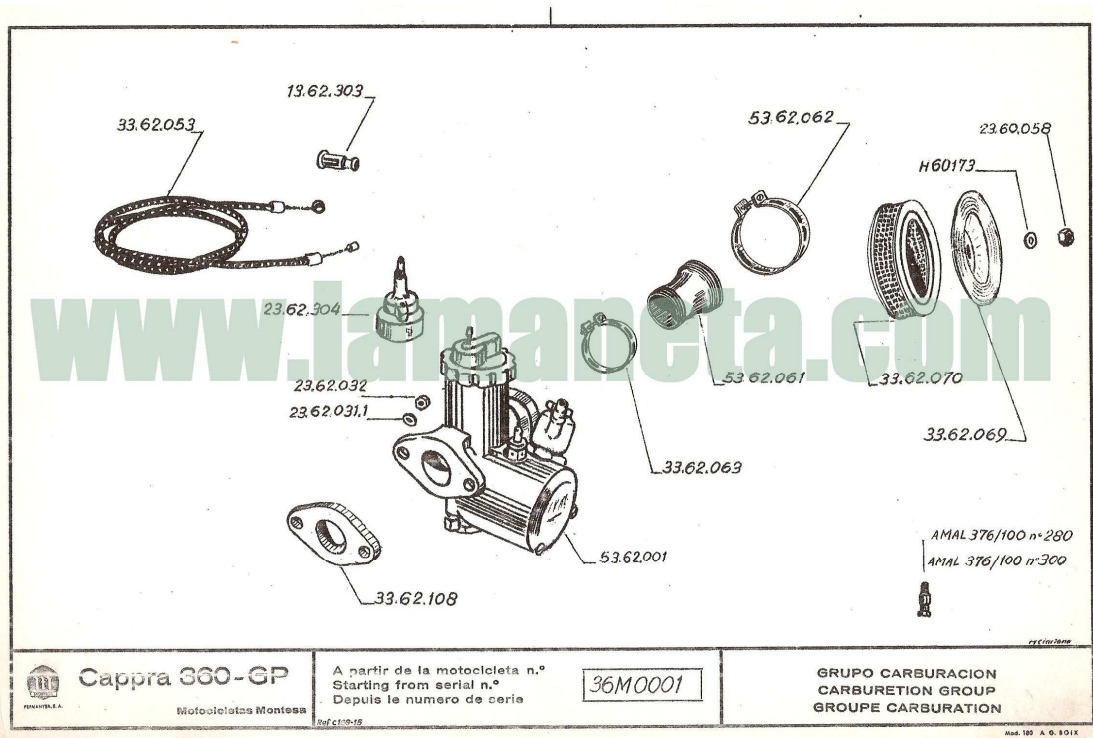
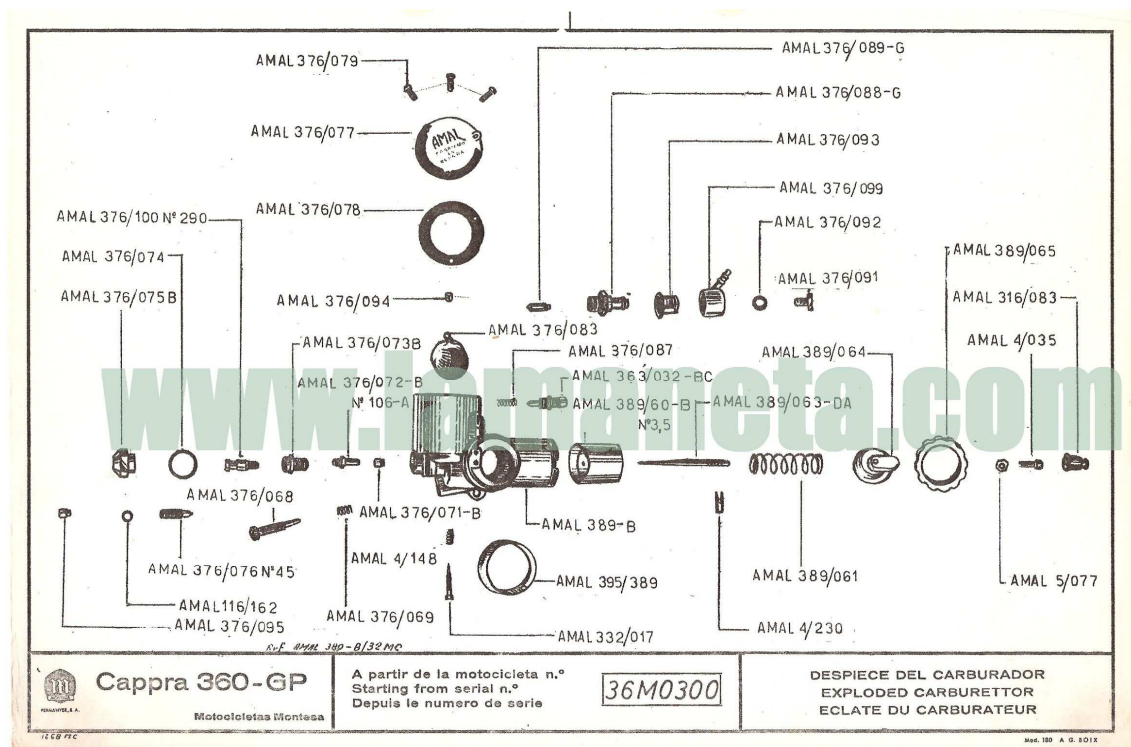
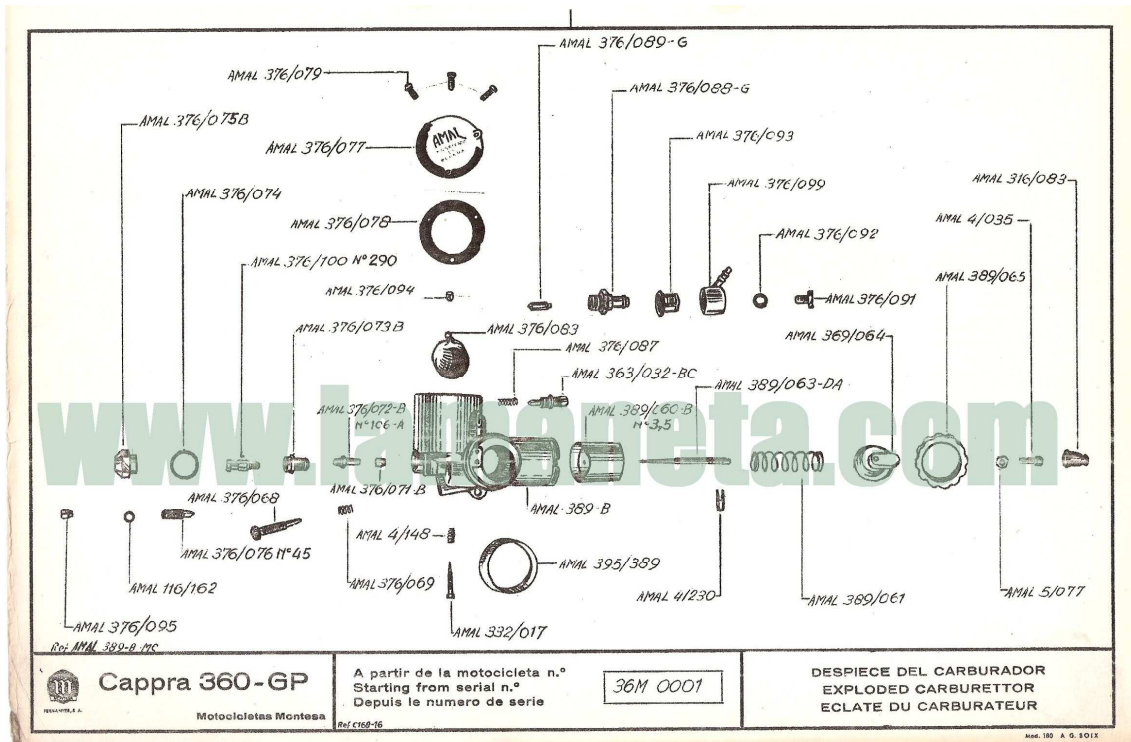
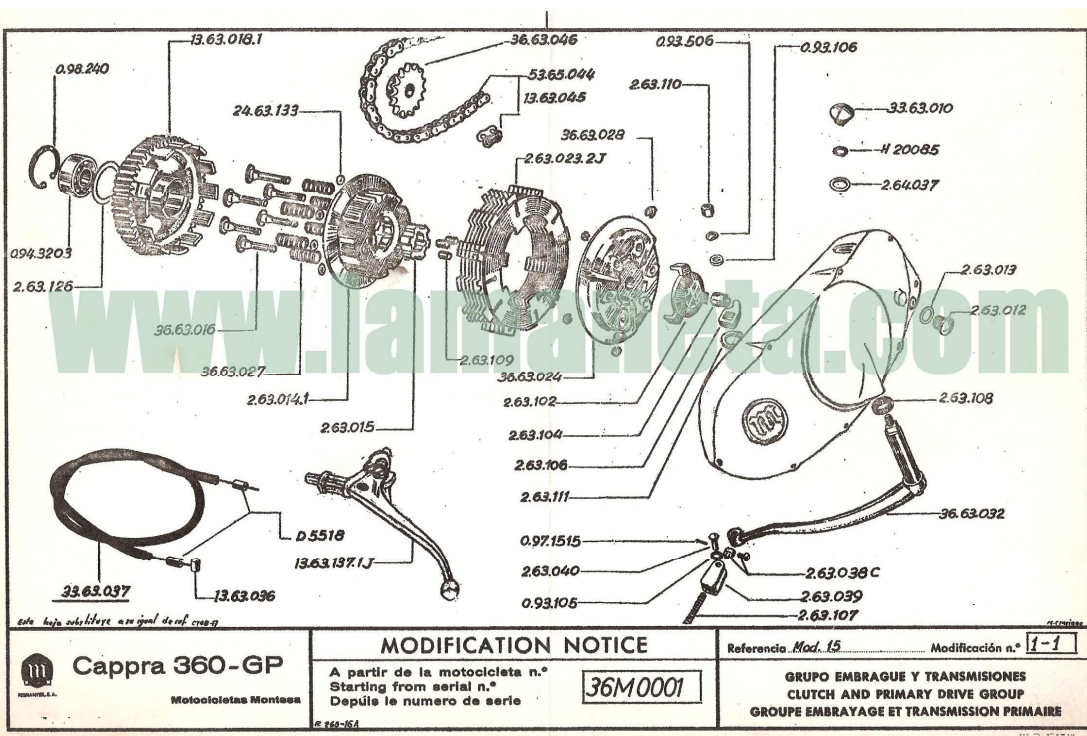
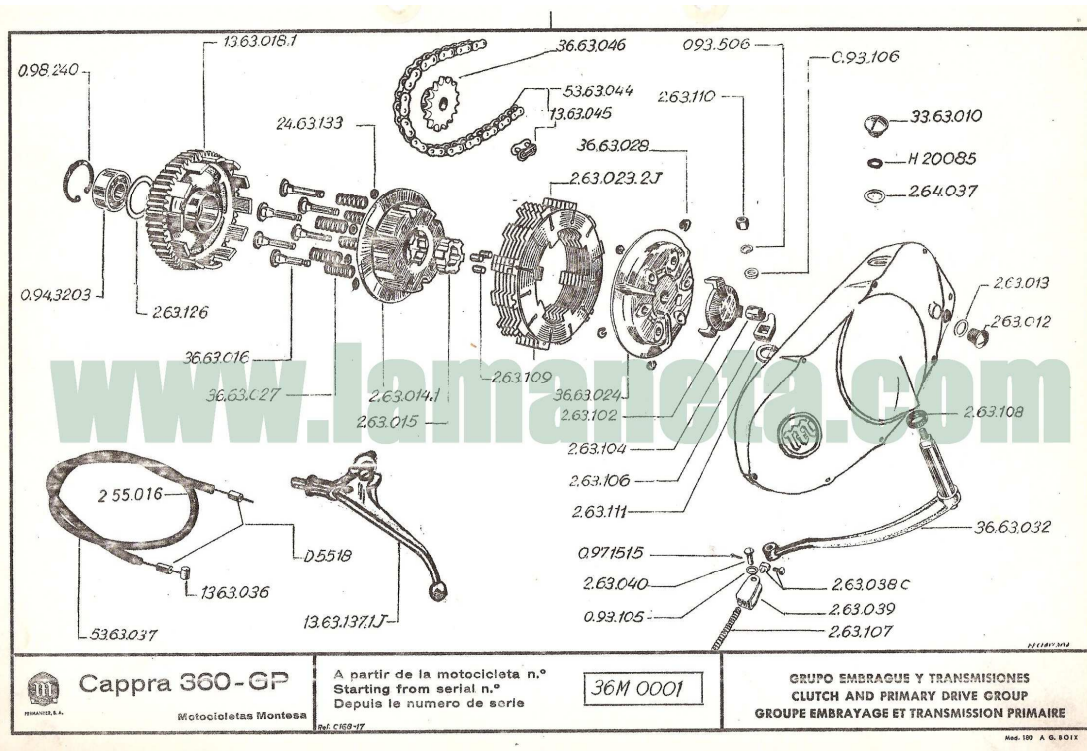
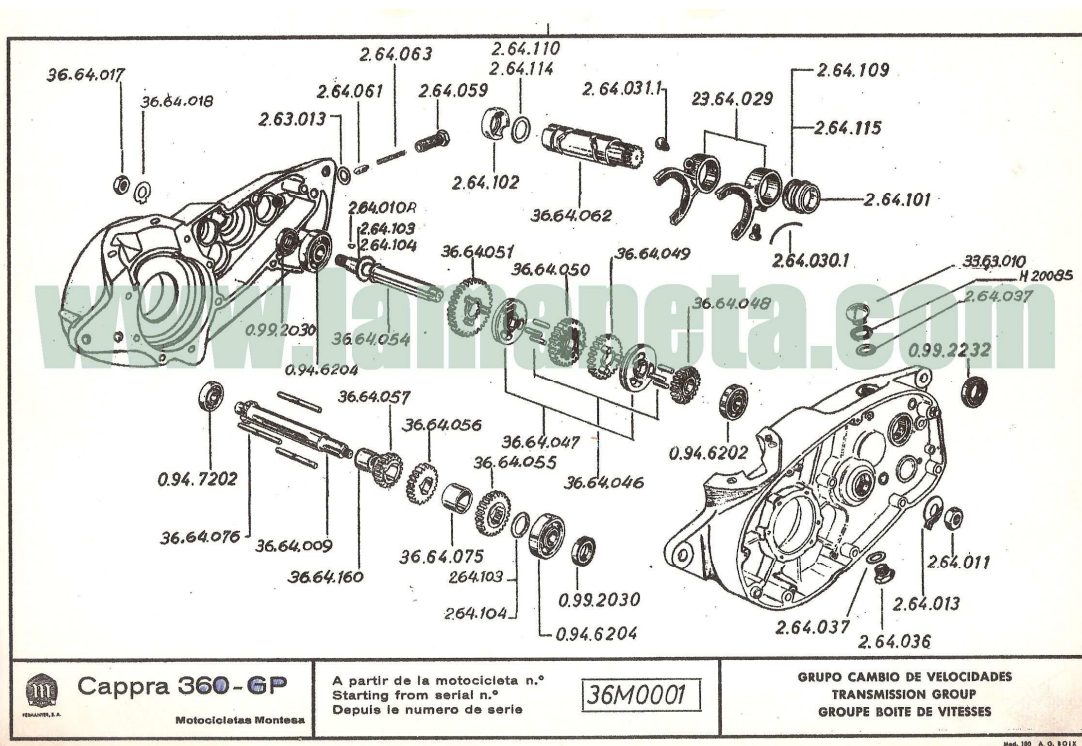
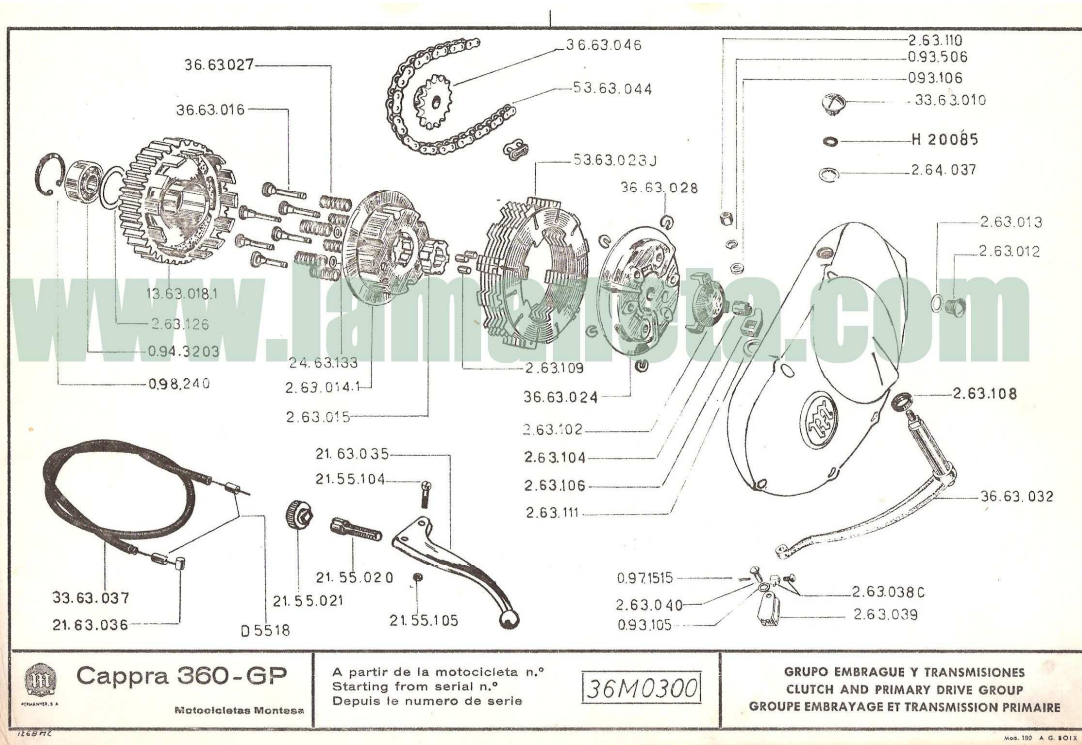


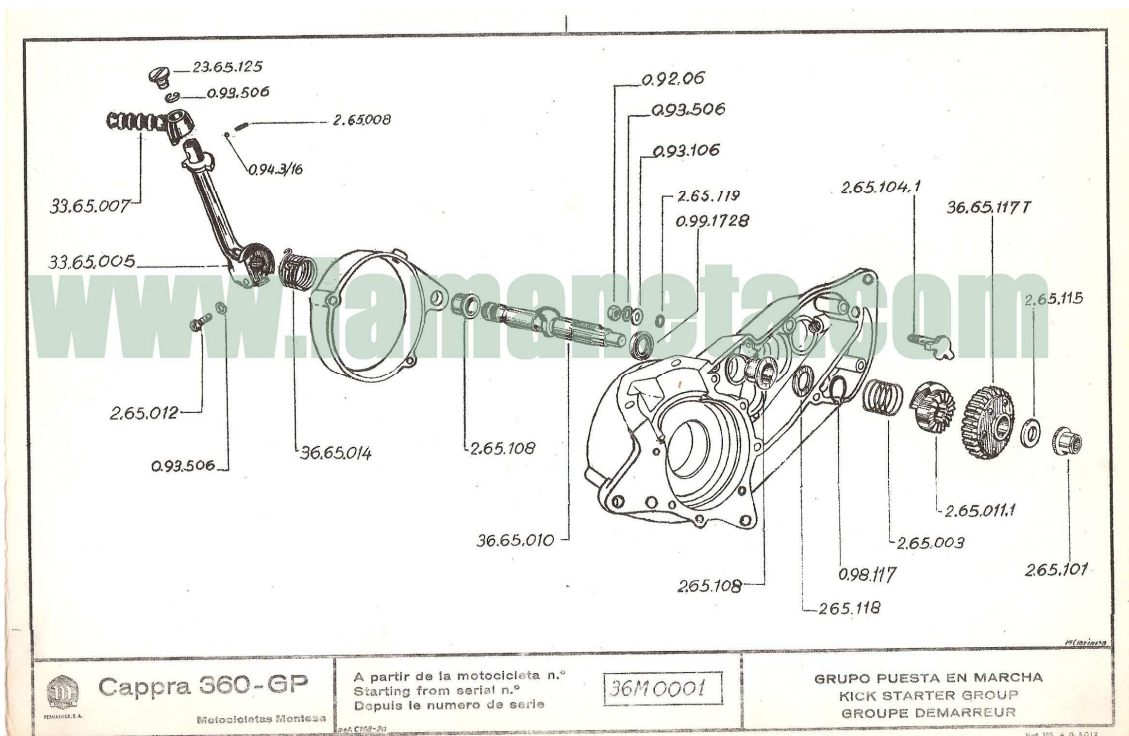
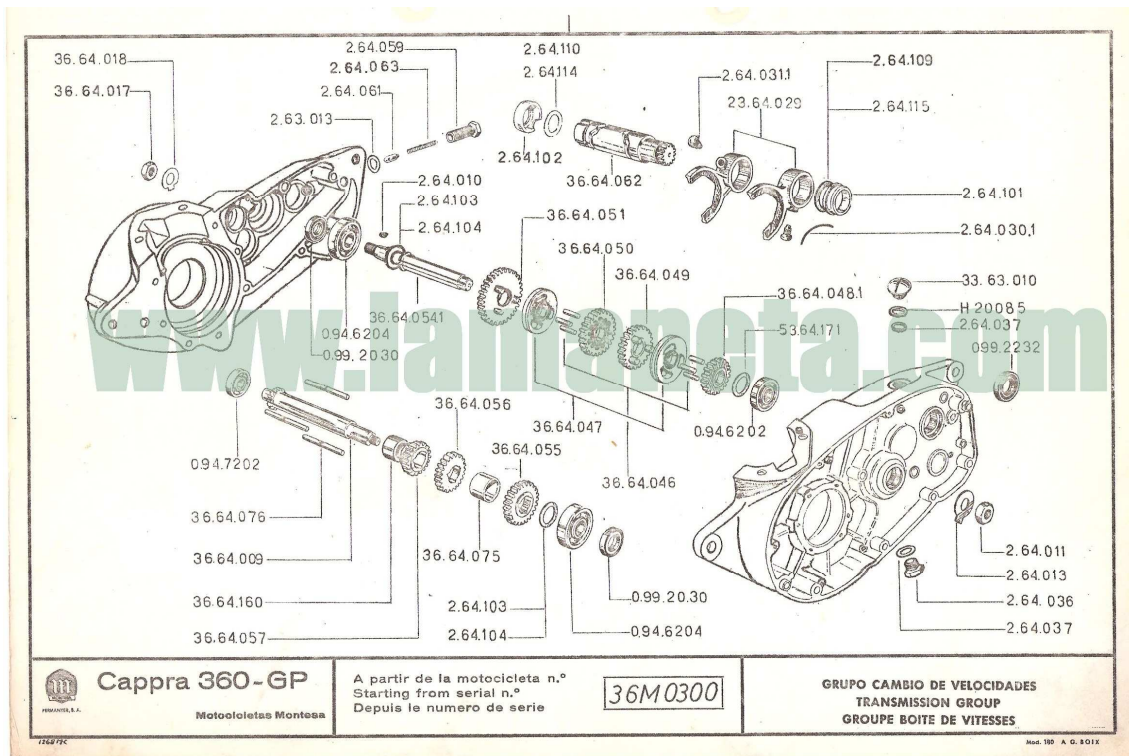


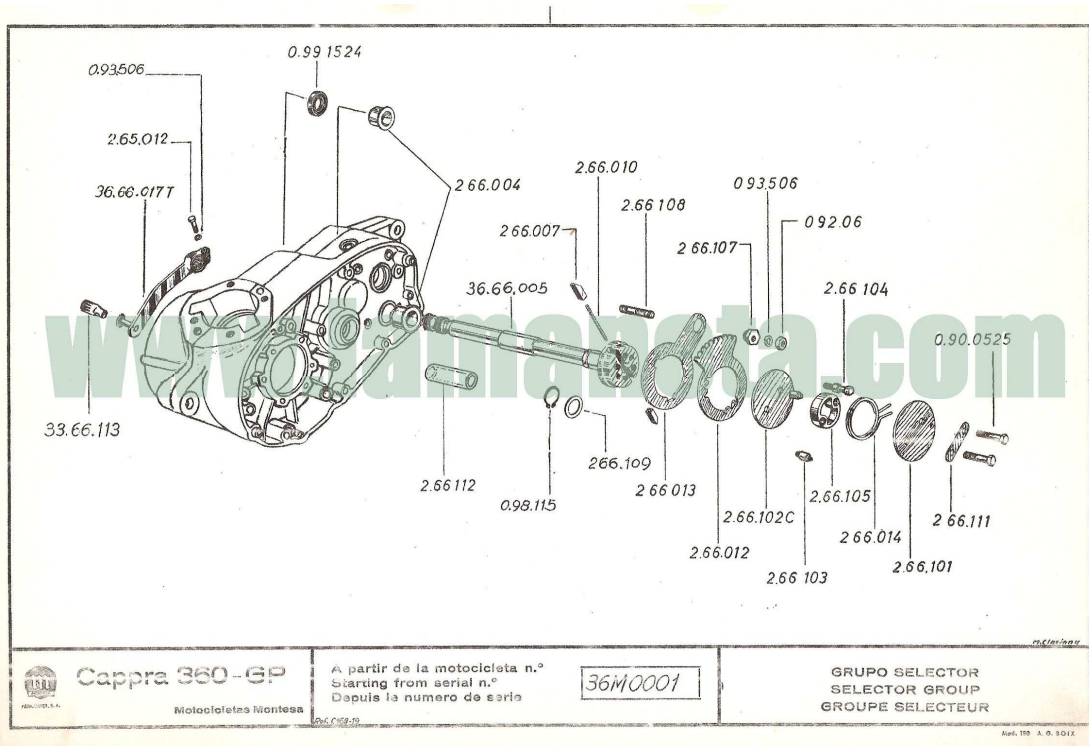
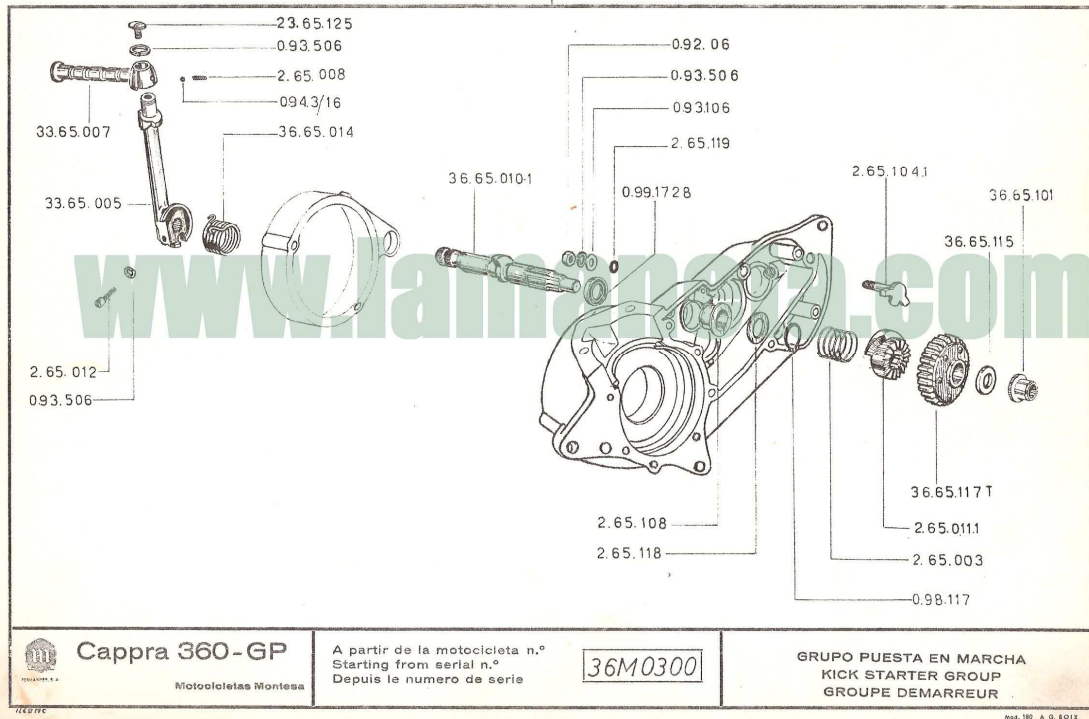


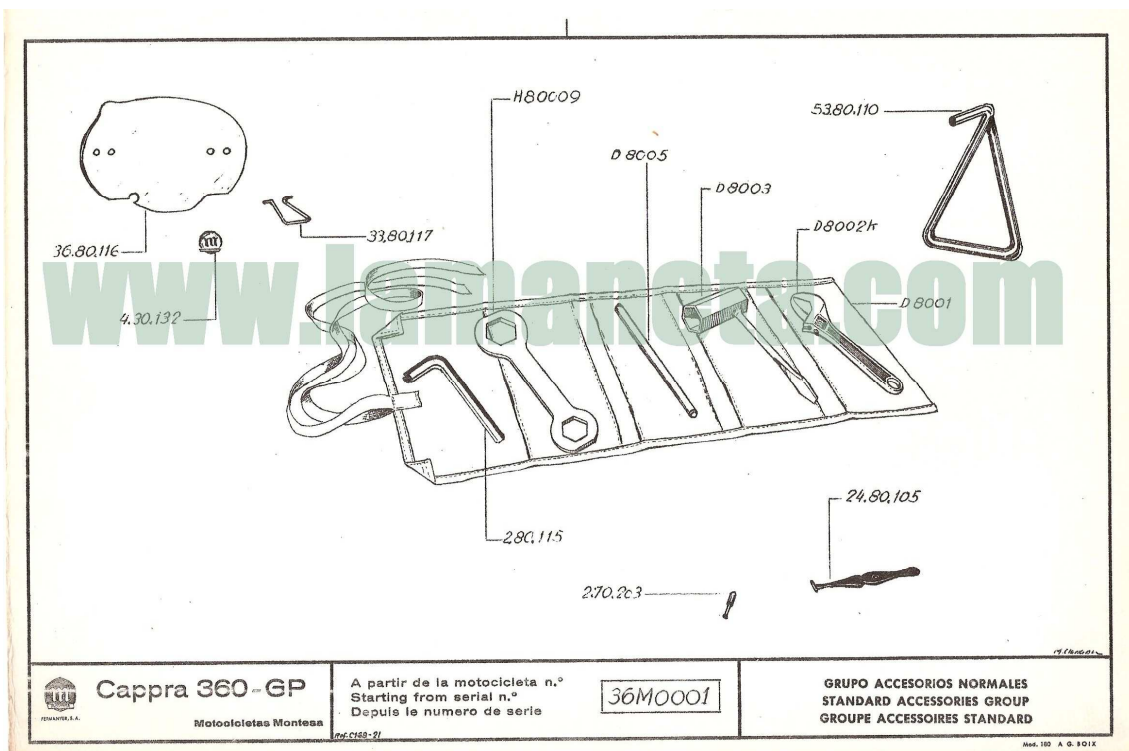
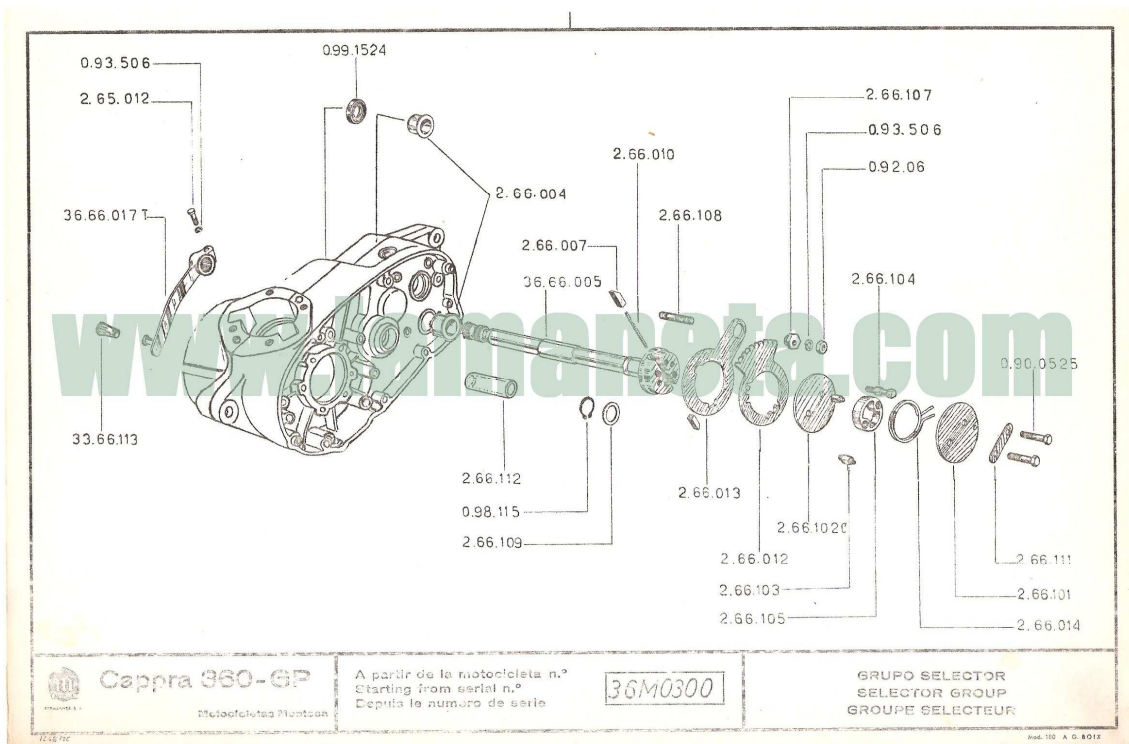


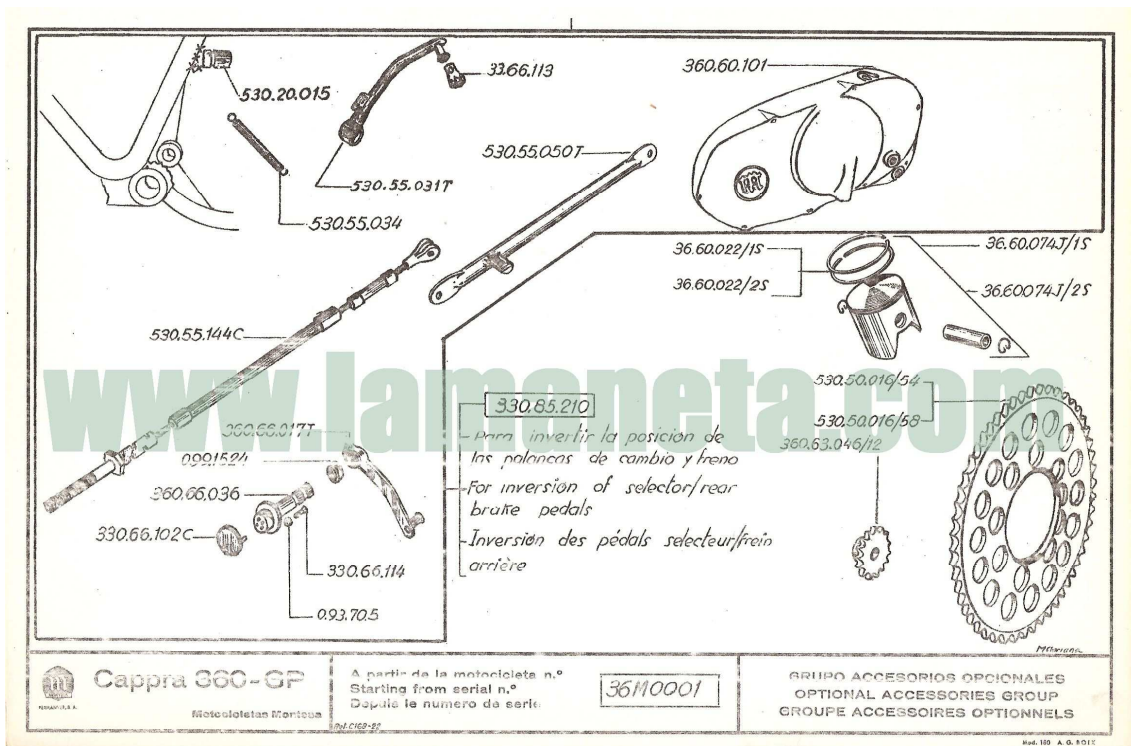
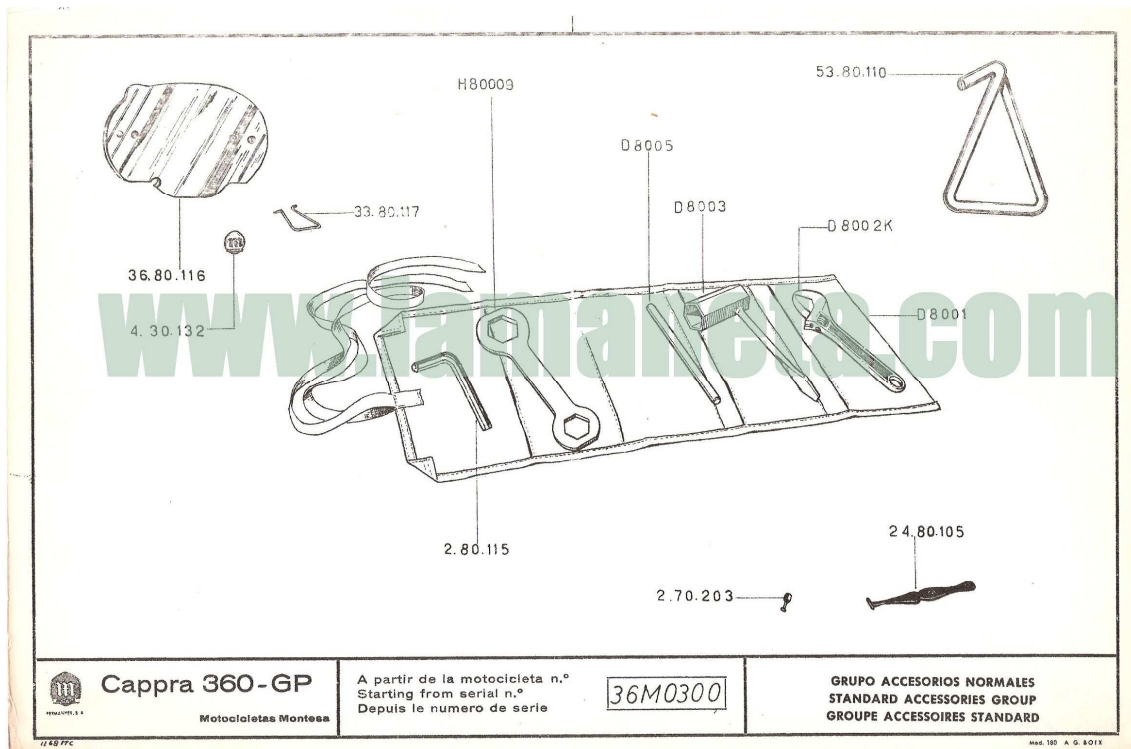
Cappra 360-GP Motocicletas Montesa	MODIFICATION NOTICE A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie 36M 0001	Referencia Mod. 15 Modificación n.º 1-1 GRUPO EMBRAGUE Y TRANSMISIONES CLUTCH AND PRIMARY DRIVE GROUP GROUPE EMBRAYAGE ET TRANSMISSION PRIMAIRE
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530.20.015
33.66.113
530.55.031.T
360.60.101
530.55.034
530.55.144.C
530.55.050.T
360.66.017.T
099.1524
360.66.036
330.66.102.C
330.66.114
0.93.705
360.85.210.J
53.20.011
360.60.028.1
530.50.016/54
530.50.016/58
360.63.046/12

PARA INVERTIR LA POSICION DE LAS PALANCAS DE CAMBIO Y FRENO
FOR INVERSION OF SELECTOR/REAR BRAKE PEDALS
INVERSION DES PEDALS SELECTEUR/FREIN ARRIERE

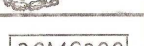
Capra 360-GP
Motocicletas Montesa

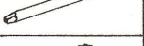
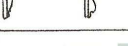
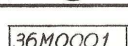
A partir de la motocicleta n.º
Starting from serial n.º
Depuis le numero de serie

36M0300

GRUPO ACCESORIOS OPCIONALES
OPTIONAL ACCESSORIES GROUP
GROUPE ACCESSOIRES OPTIONNELS

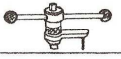
Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Extractor piñón S/cigüeñal Crankshaft pinion puller Extracteur pignon sur vilebrequin		36.87.050	
Extractor volante magnetico Magnetic flywheel puller Extracteur volant magnetique		D 8755	
Inmovilizador piñón S/ cigüeñal Crankshaft pinion blocker Immobilisateur pignon sur vilebrequin		36.87.066	
Llave tuerca fijación rodamiento cigüeñal Wrench for the nut locking the steering bearing central tube cap Clef écrou fixation roulement direction bouchon tube central		D 8767-8	
Inmovilizador volante magnetico Magnetic flywheel blocker Immobilisateur volant magnetique		D 8769	
Llave tuerca espárragos culata Wrench for the nuts of the cylinder head holding studs Clef écrou goujon culasse		2.87.081	
Extractor remaches cadena Chain pin puller Extracteur rivement chaîne		D 8783	
Inmovilizador plato embrague Clutch disc bloker Immobilisateur plat d'embrayage		2.87.084	
Punzón montador cojinete dirección sobre bastidor Punch for mounting bearing on the frame of the steering Poinçon monte roulement direction sur châssis		53.87.089	
Capra 360-GP Motocicletas Montesa	A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie	36M0001	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Extractor piñón mando rueda Wheel driving sprocket puller Extracteur pignon comande roue		2.87.203	
Extractor volante magnético Magnetic flywheel puller Extracteur volant magnétique		D 8755	
Medidor avance encendido Ignition advance checking tool Mesureur avance allumé		D 8825	
Llave tuerca fijación rodamiento dirección y tapón tubo central Wrench for the nut locking the steering bearing central tube cap Clef écrou fixation roulement direction et bouchon tube central		D 8767-8	
Inmovilizador volante magnético Magnetic flywheel blocker Immovilisateur volant magnétique		D 8769	
Llave tuerca espárragos culata Wrench for the nuts of the cylinder head holding studs Clef écrou goujon culasse		2.87.081	
Llave tuerca fijación cilindro Allen wrench for the cylinder holding screws Clef allen pour fixation cylindre		2.87.218	
Inmovilizador plato embrague Clutch disc blocker Immovilisateur plat d'embrayage		2.87.084	
Inmovilizador piñón mando rueda Wheel driving sprocket blocker Immovilisateur pignon comande roue		13.87.126	
 Cappra 360-GP Monteciclistas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

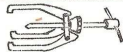
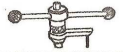
Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Llave casquillo bloqueador rodamiento dirección Steering bearing holding bush wrench Clef pour boîte de billes et virole bloqueuse		53.87.092	
Extractor cojinete dirección sobre bastidor Puller for the bearing on the frame of the steering Extracteur roulement direction sur chassis		2.87.103	
Juego alineación dirección Steering alignment set Jeu alignement direction		D 8808	
Tubo monta cazoleta inferior S/ tija y cojinete S/ cigüeñal Tube for fitting the lower cup on the stem Tube monte cassolette inferieur sur tige		2.87.110	
Soporte motor Bench motor cardle Support moteur sur banc de travail		2.87.112	
Extractor cojinete S/ cigüeñal Crankshaft bearing puller Extracteur roulement sur vilebrequin		2.87.113	
Punzón émbolo Piston pin driving punch Poinçon axe piston		36.87.117	
Pletina apoyo para motor cojinete cigüeñal Crankshaft bearing retainer Brida appui roulement vilebrequin		D 8821	
Montador embrague Clutch fitting tool Monteur d'embrayage		2.87.202	
 Cappra 360-GP Monteciclistas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

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Montador embrague Clutch fitting tool Monteur d'embrayage		2.87.202	
Extractor piñón s/cigüeñal Crankshaft pinion puller Extracteur pignon vilebrequin		36.87.050	
Montador retenedor ejes primario y secundario Main and secondary shafts oil seals mounting tool Monteur retenue d'huile axe primaire et secondaire		2.87.204.1	
 Capra 360-GP Motocicletas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie 36M0300	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

Mod. 100 A G. 8012

Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Extractor piñón mando rueda Wheel driving sprocket puller Extracteur pignon commande roue		2.87.203	
Montador retenedor ejes primario y secundario Main and secondary shafts oil seals mounting tool Monteur retenue d'huile axe primaire et secondaire		2.87.204.1	
Medidor avance encendido Ignition advance checking tool Mesureur avance allumé		D 6825	
Extractor rueda dentada de embrague Clutch gearwheel puller Extracteur roue dentée d'embrayage		2.87.208	
Montador retenedor eje p.e.m. Starter shaft retainer mounting tool Monteur retenue d'huile axe mise en marche		2.87.215	
Montador agujas pie biela Tool for fitting the needles Monteur aiguille pied bielle		36.87.216	
Llave tuercas fijación cilindro Allen wrench for the cylinder holding screws Clef allen pour fixation cylindre		2.87.218	
Utilaje cerrar cárteres centrales Jig for closing the central case halves Outil fermer carter central		2.87.219	
Montador retenedor eje mando horquillas Fork's operating shaft retainer Monteur retenue d'huile axe gouvernement fourche		2.87.220	
 Capra 360-GP Motocicletas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie 36M0001	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

Mod. 100 A G. 8012

Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Extractor rueda dentada de embrague Clutch gear wheel puller Extracteur roue dentée d'embrayage		2.87.208	
Montador retenedor eje p.e.m. Starter shaft retainer mounting tool Monteur retenue d'huile axe mise en marche		2.87.215	
Montador agujas pie biela Tool for fitting the needles Monteur aiguille pied bielle		36.87.216	
Extractor remaches cadena Chain pin puller Extracteur rivement chaîne		D 8783	
Utilaje cerrar cárteres centrales Jig for closing the central case halves Outil fermer carter central		2.87.219	
Montador retenedor eje mando horquilla Fork's operating shaft retainer Monteur retenue d'huile axe goubernement fourche		2.87.220	
Comprobador pulsador embrague Clutch push checking tool Verifier pulsateur embrayage		2.87.224	
Montador retén eje selector Selector shaft oil seal mounting tool Monteur retenue d'huile axe selecteur		2.87.225	
Util comprobar salto cigüeñal s/ cárteres Crankshaft offset on crankcases, checking tool Outil vérifier saut vilebrequin		36.87.227	
 Cappra 360-GP Motocicletas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie 36M0300	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

Mod. 100 A. G. 9/013

Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Comprobador pulsador embrague Clutch push checking tool Verifier pulsateur embrayage		2.87.224	
Montador retén eje selector Selector shaft oil seal mounting tool Monteur retenue d'huile axe selecteur		2.87.225	
Util comprobar salto cigüeñal s/ cárteres Crankshaft offset on crankcases, checking tool Outil vérifier saut vilebrequin		36.87.227	
Tapeta montaje cigüeñal en cárteres Crankshaft in crankcases mounting lid tool Chapeau montage vilebrequin dans le carter		36.87.228	
 Cappra 360-GP Motocicletas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie 36M0001	HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER

Mod. 100 A. G. 9/013

Denominación Utilaje Denomination of the tooling Outils d'atelier	Croquis Sketch Croquis	Artículo Item Article	Observaciones Remarks Observations
Tapeta montaje cigüeñal en cárteres Crankshaft in crankcases mounting lid tool Outil montage vilebrequin dans le carter		36.87.228	
Juego alineación dirección Steering alignment set Jeu alignement direction		D 8808	
Fletina apoyo para montar cojinete cigüeñal Crankshaft bearing retainer Bride appui roulement vilebrequin		D 8821	
Inmovilizador piñón s/cigüeñal Crankshaft pinion blocker Immovilisateur pignon sur vilebrequin		36.87.066	
Punzón montador cojinete dirección sobre bastidor Punch disc mounting bearing on the frame of the steering Poison monteur roulement direction sur châssis		53.87.089	
 Cappra 360-GP Motocicletas Montesa		A partir de la motocicleta n.º Starting from serial n.º Depuis le numero de serie	36M0300
		HERRAMIENTAS DE TALLER TOOL BOOK OUTILS D'ATELIER	

INTRODUCTORY

The MONTESA motorcycle which model is introduced here do not require an excessive care for maintenance, only a minimum attention is required to insure a long and perfect serviceable time.

With the present Manual, we intend to guide you about this minimum care and at the same time make a disclosure of some technical features of your vehicles which undoubtedly would be of utmost interest.

PERMANER, S.A.
MONTESA Motorcycles.

NOTE : The instructions and technical data given in this Manual should be understood only on a description basis and right is reserved for alteration of some machine parts during their validity period.

"CAPRA 360-GP" Model

Introduction

The twostroke monocylinder engine measures 351,2 c.c. with a piston diameter of 78 mm. and stroke of 73,5 mm. its brake power is 39,5 HP at 6500 rpm., and ignition is made through a flywheel magneto-alternator.

The engine is seated over a frame fabricated with steel pipes, mutual and electrically bended and welded, and finally forming an assembly of great strength, stout and perfect handling.

the front suspension is of the telescopic fork type and the rear one of swinging arms over elastic bushes which do not require any lubrication, with double effect hydraulic dampers of adjustable starting charge.

The carburetor (AMAL) has a diameter of 32 mm. and takes air through a double paper air filter located under the seat and easily accessible.

The gearbox is of 4 speeds in "cascade" and constant take-up pinions, which coupled to the steel multiple disk clutch in oil bath and regular tension springs, makes an assembly of great smoothness and high performance.

The brakes are of frictional expansion and 180 mm. diameter, anchored by means of reaction bars,

The driven toothed gear of the rear wheel is mounted over elastic bushes fully insulated from the heat generated in the brake assembly.

RECOMMENDATIONS FOR USE

PRECAUTIONS DURING RUNNING-IN .- To obtain the proper adjustment of the movable parts of the new engine, it is advisable to make a running-in of two hours minimum.

During this running-in, two points should be noted:

- Check carburation is rich rather excessive, lifting one point the carburetor needle or if needed, replace the main jet. location climate and height have an influence on this.
- Do not accelerate excessively, the gas handle should turn, up to 3/4 maximum of its travel at any of the speeds.

We consider very necessary to emphasize that these instructions should be fulfilled as otherwise the cylinder piston might be fretted because of the factory close tolerances needed to obtain a good performance of the engine during a prolonged time.

FUELS

Benzol as fuel should not be used as the engine is equipped with syntetic rubber parts.

For engine lubrication, "Bardahl-V.B.A." oil should be used at the rate of 4% i.e. 200 c.c. of oil for every 5 litres of petrol.

LUBRICATION

Engine 4% 1/5 for 5) "bardahl V.B.A."
Clutch and main drive 300 c.c. "SAE-20" (fl.oz.) 10 (USA) or 10 1/2 (G.B.)
Gear box 330 c.c. "SAE-40" (fl.oz.) 11 (USA) or 11 1/2 (G.B.)
Front suspensuch 190 c.c. "SAE-20" (fl.oz.) 5 3/4 (USA) or 6 (G.B.)

SPARK PLUGS

-Features-

Bosch thermic grade 300
Electrode gap 0.40 mm.
Thread 14 p 1,25 x 3/4"

RECOMMENDED TYPES

Bosch W 310 T17
Lodge RL-47
Campion N-58R
K.L.G. FE 280/4

IGNITION

Altenator flywheel "MOTOPLAT" MCR-137.20 T-D
Breaker contacts distance 0,4 mm.
Spark advance at p.m.s. . 4 mm. (23,5 over flywheel)
Ignition coil wiring 15 earth 1 Magneto flywheel

CARBURETOR

Make	AMAL
Type	389-B/32 LC
Diffuser diameter	32
Main spray nozzle	290 (280-300)
Minimum spray nozzle	45
Gas valve	3,5
Sprayer	106-A
Sprayer tube	L type
Needle	DA

This adjustment is susceptible to change according to weather conditions.

TIRE PRESSURE

Front wheel, dry ground	0,9 atm. (13 lbs/sq. in.)
Rear wheel, dry ground	0,8 atm. (11,3 lbs/sq. in.)
Front wheel, muddy or soft ground	0,7 atm. (10 lbs/sq. in.)
Rear wheel, muddy or soft ground	0,6 atm. (8,5 lbs/sq. in.)

ENGINE

Minimum diametral clearance between piston and cylinder	0,065 mm. (0,0034 in.)
Tightening torque of the cylinder lock nuts	1,5 to 2 m. Kgs. (11 to 15 ft.- lbs.)
Tightening torque of the cylinder head lock nuts	1,5 to 2 m. Kgs. (11 to 15 ft.- lbs.)
Maximum whipping, crankshaft ends mounted on the crankcase	0,03 mm. (0,0012 in.)
Tightening torque of the cylinder head lock bolts	3 - 3,5 m. Kgs. (21 to 25 ft.- lbs.)

SPARE PARTS

To assure the perfect performance of all the different motorcycle elements, remember that replacements should always be made with the CAPFRA 360-GP model original parts.

When ordering spare parts, specify always:

- a).-- Part item as described in the catalogue.
- b).-- Motorcycle number marked over the crankcase and frame.

OTHER IMPORTANT RECOMMENDATIONS

- Before a training or speed contest is made, the engine should be warmed up with a running-in at slow speed and high gear during an approximate period of 5 minutes, stopping the engine afterwards for another 5 to 10 minutes before starting.
- Every 2 or 3 speed contests change the clutch and gear box oil.
- Every 10 or 12 speed contests, approximately, replacement of the piston for a new one is advisable and also every 20 speed contests for the piston and the cylinder jacket.
- On every contest the air filter performance should be checked and replaced for a new one if the old appears to be full of dirtiness.

OTHER INTERESTING NUMERICAL DATA

WHEEL DRIVE

- Chain -

Type Simple
Pitch 15,875 mm. (5/8")
Roller diameter 10,16 mm. (0,4")
Face between plates 6,48 mm. (0,255")
Gear box projection pinion 11 teeth (optional, 12 teeth)
Toothed gear over rear hub 56 teeth 54 and 58 teeth optional.

WHEELS

Front tyre Cross type 3 x 21"
Rear tyre Cross type 4 x 18"
Front wheel spokes 36 of 4x192
Rear wheel spokes 36 of 4x156

CLUTCH

Number of driven disks 7
Number of intermediate disks 9
Clutch disc assembly deflection ... 0, 4 to 0,6 mm.

BEARING DIMENSIONS

Crankshaft 4 of 25 x 52 x 15 no. 6205/C-3
Main shaft, right side 1 of 15 x 35 x 11 (angular inter-
face) no. 7202
Main shaft, left side 1 of 20 x 47 x 14 no. 6204
Secondary shaft, right side 1 of 20 x 47 x 14 no. 6204
Secondary shaft, left side 1 of 15 x 35 x 11 no. 6202
Clutch toothed gear 1 of 17 x 40 x 17,5 (double row)
no. 30205
Front and rear wheel 4 of 17 x 40 x 12 no. 6203
Steering wheel 2 of 25 x 52 x 15 (taper rollers)
no. 30205

TEETH OF SPEED GEAR BOX

Fixed pinion 1st. speed 13 teeth
Fixed pinion 2nd. speed 15 teeth
Fixed pinion 3rd. speed 17 teeth
Fixed pinion 4th. speed 19 teeth
Free pinion 1st. speed 24 teeth
Free pinion 2nd. speed 22 teeth
Free pinion 3rd. speed 20 teeth
Free pinion 4th. speed 18 teeth

GENERAL FEATURES

Distance between shafts 1390 mm. (4,560 ft.)
Total length 2070 mm. (6,791 ft.)
Seat height from the ground 780 mm. (2,559 ft.)
Lowest point of frame height from
the ground 220 mm. (0,721 ft.)
Steering handle width 900 mm. (2,952 ft.)
Petrol tank capacity 7 1/4 litres (1,915 gal.)(USA)
(1,593 gal.)(G.B.)
Unloaded motorcycle weight 105 Kgs. (0,231 lb. avdp.)