



MSA COMER C50 TECHNICAL REGULATIONS 2019 VERSION 2

Category	Bambino	
Manufacturer	Comer Spa	
Model	C50	
Valid from	01 January 2019	
Number of pages	8	

This Homologation Form reproduces descriptions, illustrations and dimensions of the engine at the moment of the MSA Homologation. This document may be supplemented by official amendment. This document must be read in conjunction with the appropriate Class Regulations.





Genuine Comer components only that are specifically designed and supplied for the Comer C50 engine are legal, unless otherwise specified. ANYTHING WHICH IS NOT EXPRESSLY ALLOWED IN THE TECHNICAL REGULATIONS IS FORBIDDEN.



10 January 2019











Version 2







TECHNICAL FICHE

Manufacturer: COMER SpA

Engine Type: C50



TECHNICAL INFORMATION Bore 40 mm Stroke 38 mm Displacement 48 cc Fuel / Oil 20:1 (95 Octane mixed with XPS Oil) Ignition Electronic Clutch Centrifugal 3 pieces Front Sprocket 10 Z **Rear Sprocket** 76 Z Carburettor DELL'ORTO SHA - 14-12L Cylinder Alluminium / Nicasil or chromed - Replating forbidden CHAMPION RCJ7Y or NGK BPMR7A or BOSCH WS5F Spark Plug Locking devices and fixtures may be replaced with non original parts. Helicoils may be used.

LIGHTINE





CYLINDER

















IGNITION		
FLYWHEEL	COIL	
FJ MODEL	FJ MODEL A11 - Code FJ A11 20-07	
	N° 2 SLOTS T,2 Max 5 Max	
	SPARE PART CODE: C050-452-02	
Thickness 1.95mm min 1.4mm min 1.4mm min 0.5mm min 1.4mm min 0.5mm min 1.5mm min 0.5mm min 0.5mm min 1.4mm min 0.5mm min 1.4mm min 0.5mm min 1.4mm min 0.5mm min 1.5mm min 0.5mm min	IGNITION TIMING It is recommended to modify the original woodruff key by removing approximately 1.5mm of the thickness of the section that protrudes from the crankshaft. This allows the flywheel to be installed in a position advanced from the original position (i.e. rotated clockwise seen from the fin side relative to the crankshaft). It is permited to omit the woodruff key but retaining a modified key make setting the timing quick and easy. It is reccomended that the timing be set at 3.6mm btdc using the leading edge of the trailing magnet (second magnet) lined up with the left hand side of the long lamination leg as reference. The maximum advance allowed is 3.8mm btdc with no tolerance. It is reccommended that an appropriate "locktite" is used on the tapered surfaces and that the nut is torqued to 25Nm.	
SPARE PART CODE: C050-453-02		













