

OHVALE®

SERVICE MANUAL ***OHRACING FORK***



TABLE OF CONTENTS

1. BEFORE STARTING – IMPORTANT NOTICE.....	2
2. SPECIAL TOOLS.....	3
3. DISASSEMBLING THE FRONT FORK.....	3
4. REASSEMBLING THE FRONT FORK.....	11
5. FORK CALIBRATION.....	19

1. BEFORE STARTING-IMPORTANT NOTICE

This service manual provides instruction for the disassembly, reassembly and calibration of the OHRCAING front fork for Ohvale GP-0, Ohvale GP-2 and Ohvale GP-7.

Calibration parameters are different based on the Model Year of the forks you are working on.

In order to distinguish OHRACING fork Model Year 2026 for Ohvale GP-2 from OHRACING forks from previous model years, please look for an **“8” branded in the fork leg.**

Here below you can find explanatory images:



Model Year 2026

Fork travel: 80mm



Previous Model Year

Fork travel: 70mm



2. SPECIAL TOOLS



Code: 01.FA.0298.L



Code: 01.FA.0293.L



Code: 01.FA.0299.L



Code: 01.FA.0294.L



Code: 01.FA.0297.L



Code: 01.AS.0131.L



Code: 01.FA.0290.L

3. DISASSEMBLING THE FRONT FORK

PREPARATION:

Use a maintenance stand to raise the front wheel off the ground.



**SUPPORT THE VEHICLE SO THAT THERE IS NO
DANGER OF IT FALLING OVER.**

REMOVE:

- Brake calliper;
- Front wheel;
- Front fender.

LOOSEN:

- Fork upper plate;
- Half handlebar collar right/left.



- Before removing the front fork leg from the vehicle loosen the fork cap (1) with the special tool (2).

Special tool code: 01.FA.0297.L

LOSEN:

- Steering dumper collar.
- Fork lower plate.
- Remove fork legs.



- Clamp the fork foot in a vice with aluminium jaws, and unscrew the fork cap with the special tool.

Special tool code: 01.FA.0297.L



- Pull down the outer tube.





- Use the special tool to fix the collar.

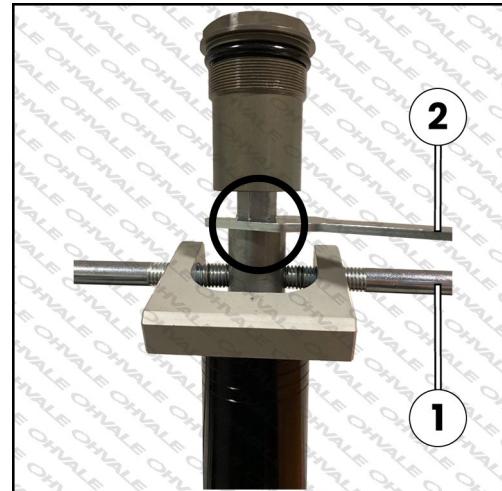
Special tool (1) code: 01.FA.0293.L



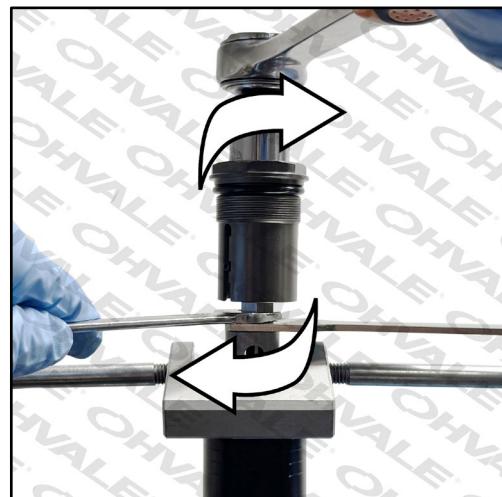
- Pull down the collar with special tool (1) and insert special tool (2) between collar and nut.

Special tool (1) code: 01.FA.0293.L

Special tool (2) code: 01.FA.0299.L



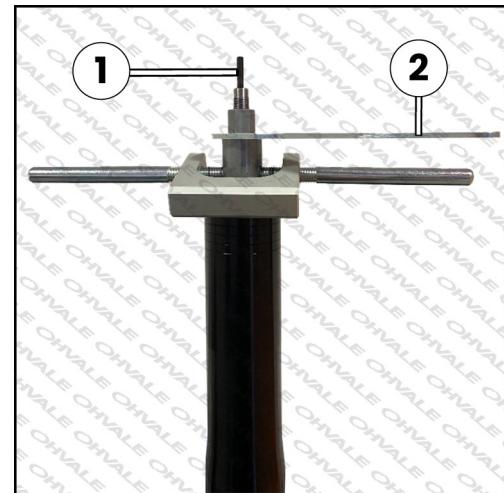
- Remove the fork cap, using a 14mm wrench and 19mm hand socket.





- Remove the rod (1).
- Remove special tool (2).

! Make sure that the fork spring is preloaded when removing the special tool.



- Remove the collar and the special tool together.



- Unscrew and remove the nut (1).





- Remove the fork end-stop bumper(1).



- Remove the spring seat (1).



- Remove spring.





- Drain the fork oil.



- Pull out the outer tube from the inner tube.



- Remove the scraper (1) with a screwdriver.



Make sure that the internal seal lip is not damaged.





- Remove the stop ring (1) from the inside of the slide using a thin screwdriver.



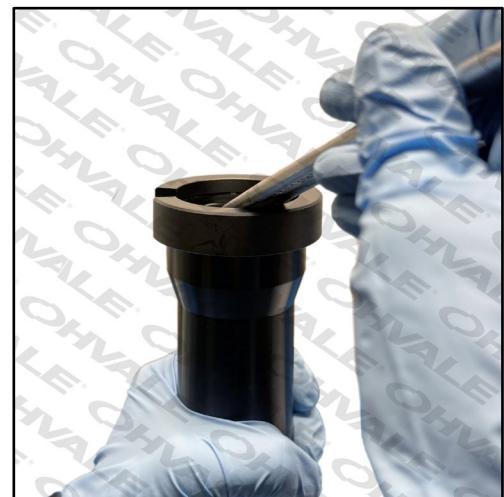
- Install the special tool to protect the edge of the fork sheath.

Special tool code: 01.AS.0131.L



- With the help of a large screwdriver, press under the oil seal ring and at the same time rotate and slide the fork sheathe to force the oil seal ring out.

! Before removing the oil seal ring, heat up the fork sheathe. Substitute the oil seal ring during every service.



- Remove the special tool and the lower cup (1).



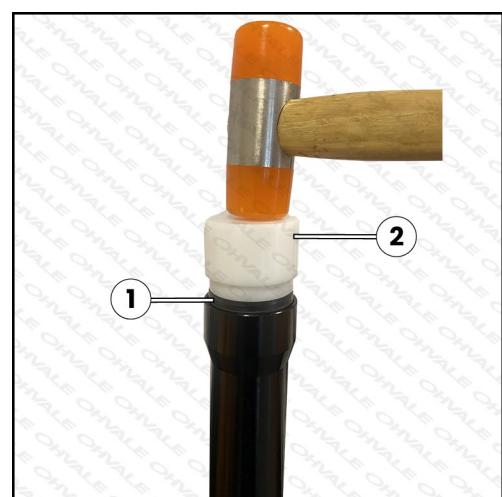
4. REASSEMBLING THE FRONT FORK

- Install the lower cup (1).



- Fit the seal ring (1) in the fork's outer tube and push it down with special tool (2) until bottom out.

Special tool (2) code: 01.FA.0294.L



- Install the stop ring (1).



- Fit the fork dust cover (1) in the main tube and let it slide down along the tube.

! Make sure that the fork dust cover is well lubricated.



- Lubricate the main tube and fit it in the slide.

! This operation is made easier thanks to the tube conic end.

- Fit the fork dust cover, previously assembled in its seat, on the slide and let it slide along the tube up to bottom out.



- Put the fork in an upright position.
- Insert the right amount and type of oil in the fork.

	Suggested Oil	Approximate Quantity
GP-0, GP-2	SAE 10W	~225ml
GP-2 MY26	SAE 10W	~240ml/250ml
GP-7	SAE 10W	~230ml



- Purge the fork by rotating and moving the outer tube vertically at the same time.

 Repeat the operation at least 10 times.



- Insert the rod into the fork cartridge.



- Tighten the special tool (1) around the fork cartridge.

Special tool (1) code: 01.FA.0298.L



- Purge the fork with slow and vertical movements.

! Repeat the operation at least 10 times.



! Repeat the processes involving the outer tube and the fork cartridge until there are no more air bubbles inside the fork. If air bubbles are present, the fork leg would vibrate.

- Once the process is completed, remove special tool (1) by unscrewing it.

! Ensure that the fork sleeve is flush against the fork foot.



- With the help of a calliper, check the oil level.

	GP-0	GP-2
Oil Level	100mm ~225ml	70mm ~225ml

	GP-2 MY26	GP-7
Oil Level	100mm ~240/250ml	100mm ~230ml



! Please note that the oil level is to be measured without the fork spring and with the fork fully compressed.

- If the oil is exceeding:
 - Remove the exceeding oil with a syringe until the calliper tip lightly touches the oil surface.
- If the oil is lacking:
 - Fill up the oil until it reaches the right level.
- Insert the spring inside the fork according to the following table.



GP-0	
COMPRESSION (LH)	REBOUND (RH)
K6	K7
GP-2	
COMPRESSION (LH)	REBOUND (RH)
K7	K8
GP-2 MY26	
COMPRESSION (LH)	REBOUND (RH)
K7	K8
GP-7	
COMPRESSION (LH)	REBOUND (RH)
K7	K7

- Insert the spring seat (1).



- Insert the fork end-stop bumper.



- With the special tool (1) lift the rod of the fork cartridge and tighten the nut until the end.

Special tool (1) code: 01.FA.0298.L

! Ensure that the section without threads is oriented downwards.



Upwards
(with thread)



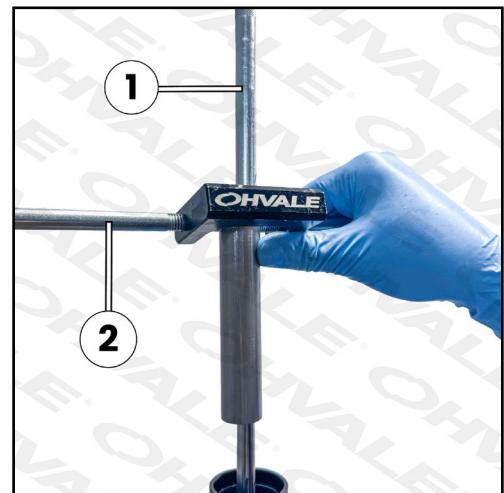
Downwards
(without thread)



- With the help of special tool (1) and special tool (2), insert the collar.

Special tool (1) code: 01.FA.0298.L

Special tool (2) code: 01.FA.0293.L



- Simultaneously lift special tool (1) up and push special tool (2) down in order to create space for special tool (3).
- Insert special tool (3) between collar and nut.

Special tool (1) code: 01.FA.0298.L

Special tool (2) code: 01.FA.0293.L

Special tool (3) code: 01.FA.0299.L



Ensure to carry out this operation with the assistance of another qualified person.

- Install the fork cap and tighten it holding the nut securely.
- Remove all special tools.



- Lift the fork leg up.
- Tighten the fork cap with the help of special tool (1).

Special tool (1) code: 01.FA.0297.L



5. OH RACING FORK CALIBRATION

OH RACING FORK GP-0

	SPRING PRELOAD	SPRING TYPE	COMPRESSION	REBOUND	OIL LEVEL (without spring)	OIL TYPE	FORK TRAVEL	FORK POSITION
FORK RH	5 Turns (from fully open)	K7		15 clicks (from fully closed)	100 mm 225ml (approx)	SAE 10W	70 mm	Second notch (from top)
FORK LH	5 Turns (from fully open)	K6	15 clicks (from fully closed)		100 mm 225ml (approx)	SAE 10W	70 mm	Second notch (from top)

OH RACING FORK GP-2

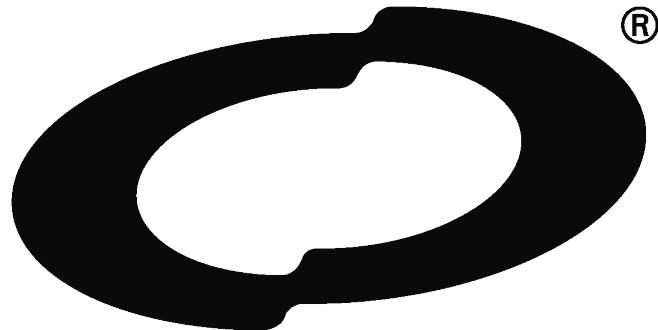
	SPRING PRELOAD	SPRING TYPE	COMPRESSION	REBOUND	OIL LEVEL (without spring)	OIL TYPE	FORK TRAVEL	FORK POSITION
FORK RH	5 Turns (from fully open)	K8		10 clicks (from fully closed)	70 mm 225ml (approx)	SAE 10W	70 mm	First notch (from top)
FORK LH	5 Turns (from fully open)	K7	20 clicks (from fully closed)		70 mm 225ml (approx)	SAE 10W	70 mm	First notch (from top)

OH RACING FORK GP-2 MY26

	SPRING PRELOAD	SPRING TYPE	COMPRESSION	REBOUND	OIL LEVEL (without spring)	OIL TYPE	FORK TRAVEL	FORK POSITION
FORK RH	4 Turns (from fully open)	K8		10 clicks (from fully closed)	100 mm 240ml (approx)	SAE 10W	80 mm	Second notch (from top)
FORK LH	4 Turns (from fully open)	K7	25 clicks (from fully closed)		100 mm 240ml (approx)	SAE 10W	80 mm	Second notch (from top)

OH RACING FORK GP-7

	SPRING PRELOAD	SPRING TYPE	COMPRESSION	REBOUND	OIL LEVEL (without spring)	OIL TYPE	FORK TRAVEL	FORK POSITION
FORK RH	5 Turns (from fully open)	K7		15 clicks (from fully closed)	100 mm 230ml (approx)	SAE 10W	90 mm	Second notch (from top)
FORK LH	5 Turns (from fully open)	K7	15 clicks (from fully closed)		100 mm 230ml (approx)	SAE 10W	90 mm	Second notch (from top)



CUSTOMER SUPPORT

For further information, assistance or inquiries, please contact: info@ohvale.com.

RESEARCH & DEVELOPMENT

Via Evangelista Torricelli, 25
31021 Mogliano Veneto (TV)
P. IVA / C.F. IT 04604340267

HEADQUARTERS

Via Luigi Scattolin, 4/6/8
31055 Quinto di Treviso (TV)
Phone: +39 0422 235379