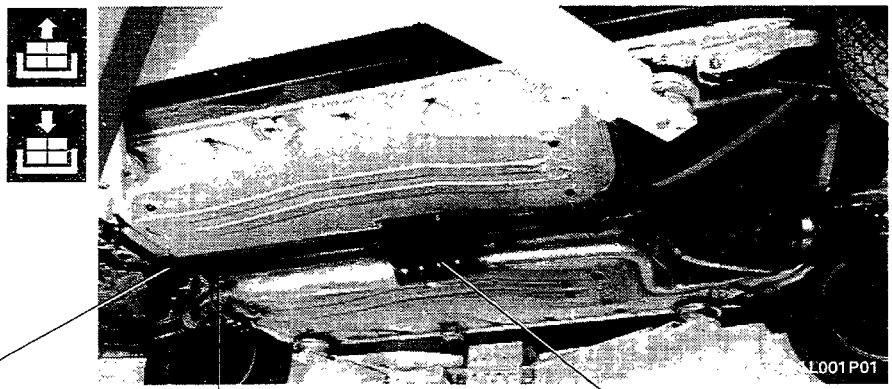
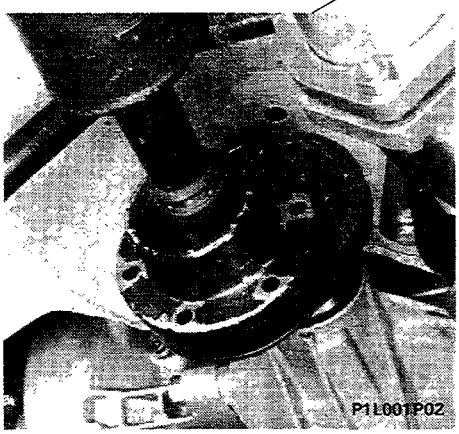
page

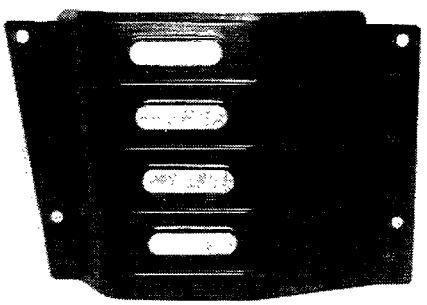
Position the vehicle on a lift.

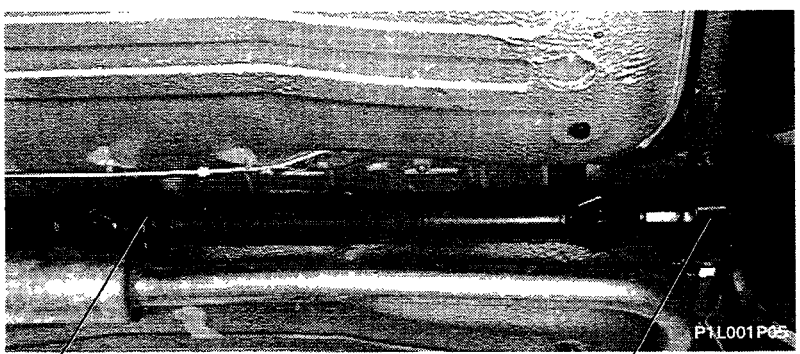
Then, proceed as follows:
– remove the items illustrated below:

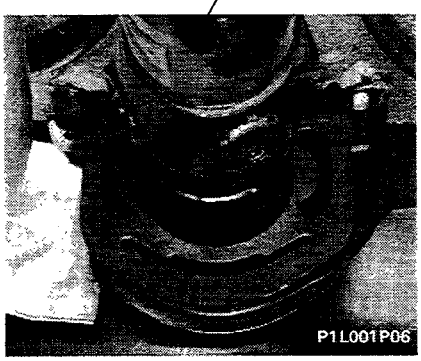





P1L001P03

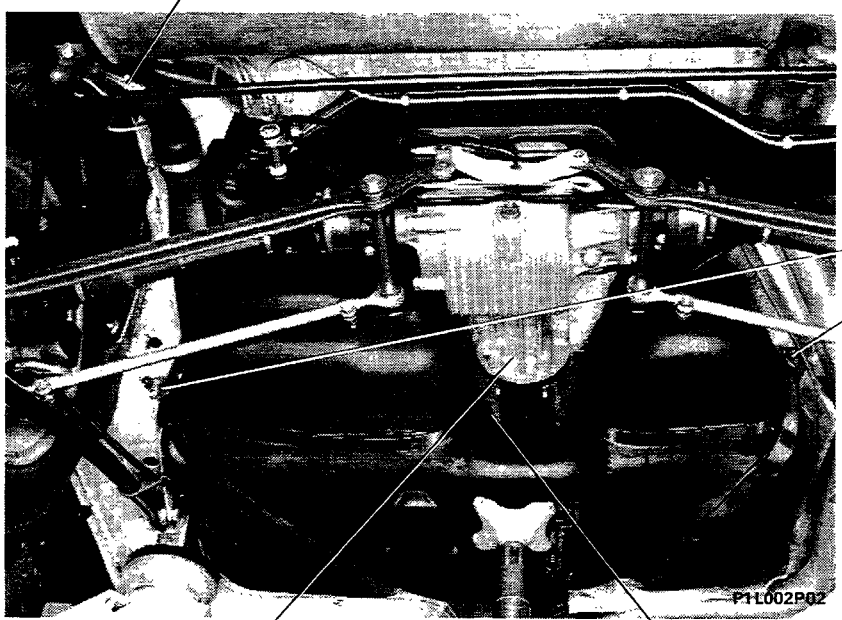

P1L001P04

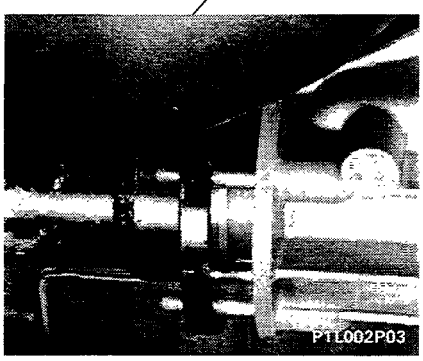


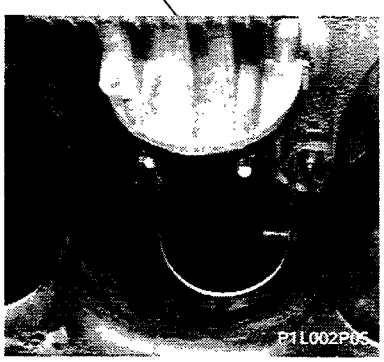


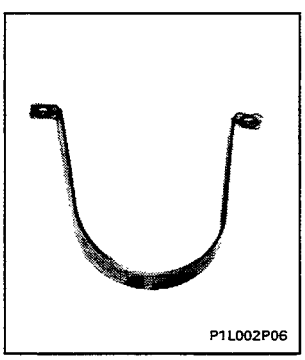
24.

Position the hydraulic jack under the fuel tank.
Then, remove the items illustrated below:

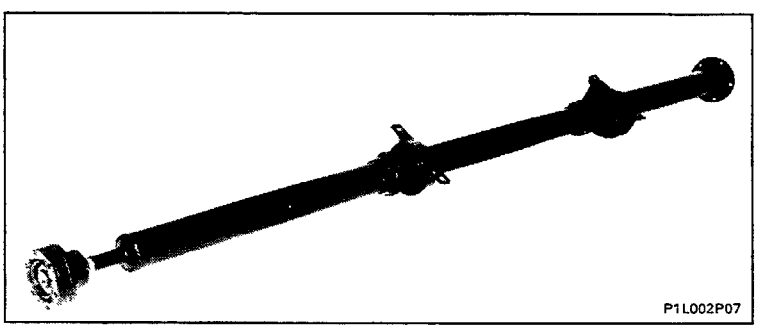






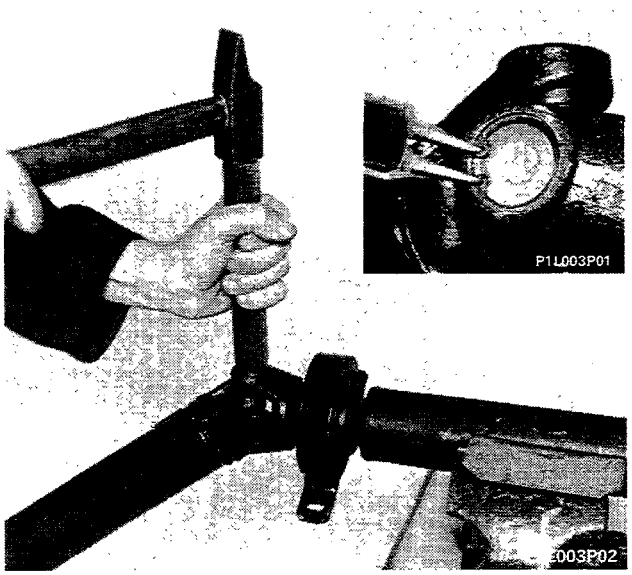


In order to gain access to the bracket, lower the tank using the hydraulic jack.



DISMANTLING AND CHECKS

It is advisable to mark the position of the components before starting to remove them.



Removing spider for universal joint using drift

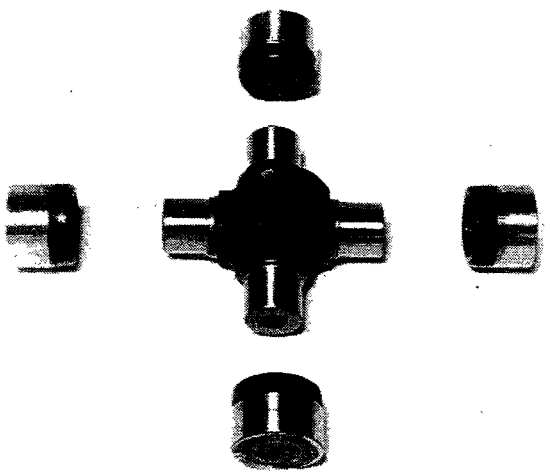
Before removing the spider, remove the circlip using pliers.

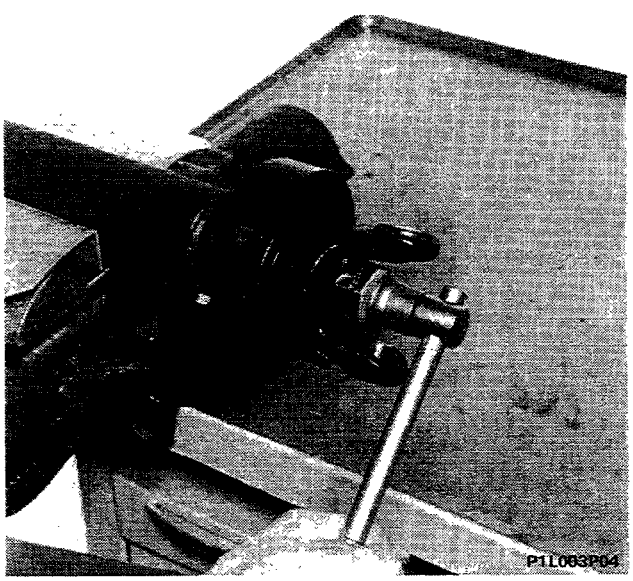
Universal joint

Check the condition of the spider and the roller bearings: if there is any interference or excessive clearance between the components, replace the entire spider.

NOTE *The universal joint spiders are available as spares complete with roller bearings.*

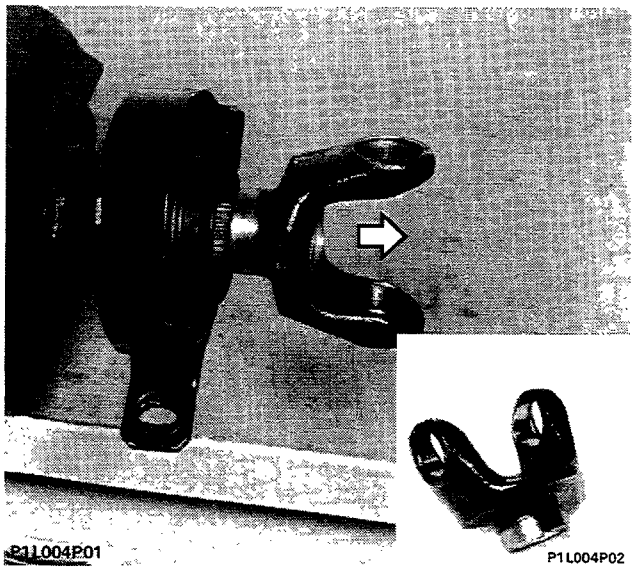
generously with Tutela MRM2 grease.





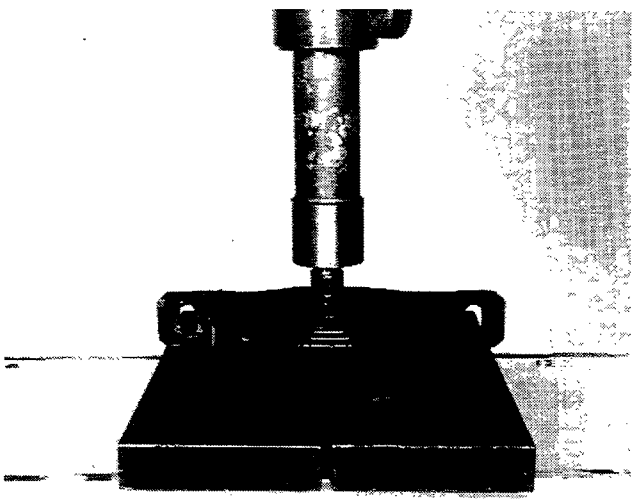
Removing nut retaining fork sleeve from end of front propeller shaft

24.



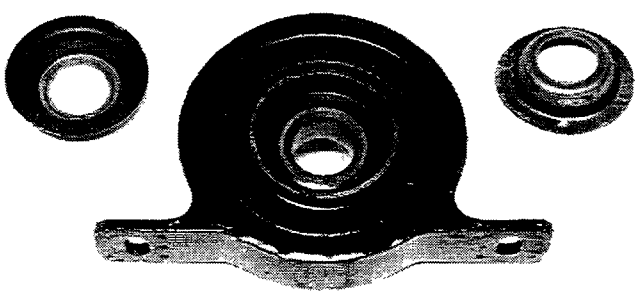
P1L004P01 P1L004P02

Removing fork sleeve



P1L004P03

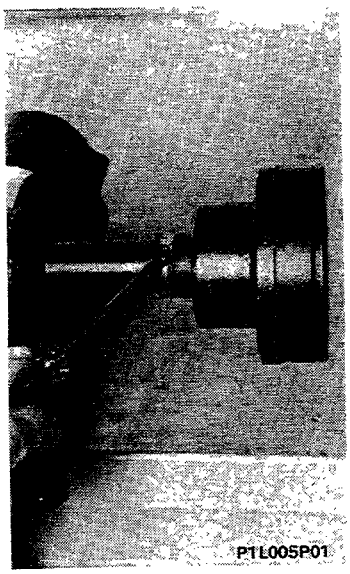
Removing flexible mounting from end of propeller shaft using hydraulic press

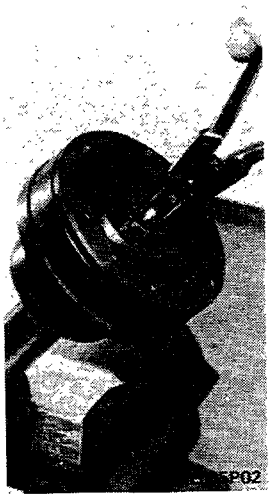


P1L004P04

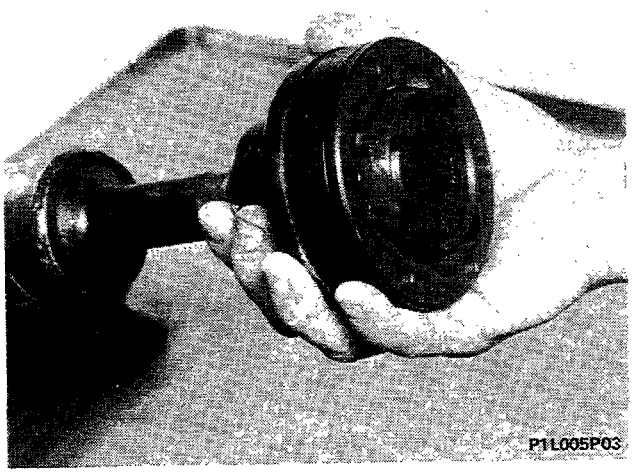
Centre flexible mounting

Check that the ball bearing clearance is not excessive and that it rolls smoothly.
Check that the flexible mounting has not been distorted and that the rubber section is not worn and still retains its original elasticity.

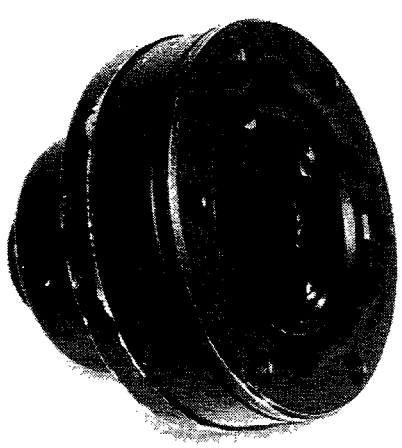




Removing boot retaining band and constant velocity joint circlip



Removing constant velocity joint

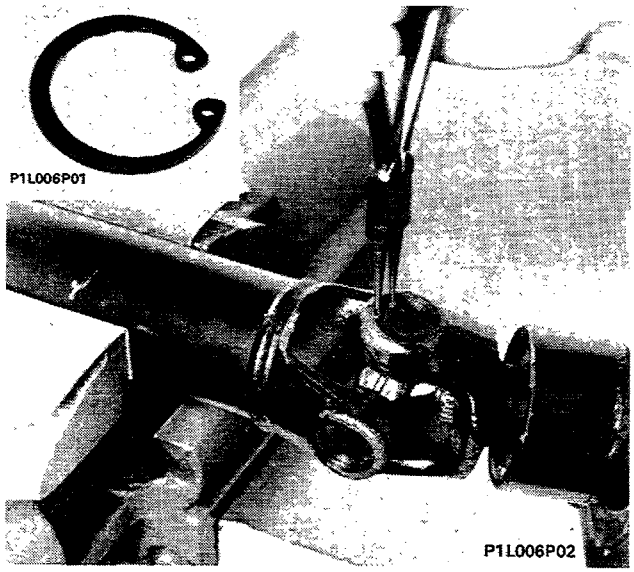


Constant velocity joint

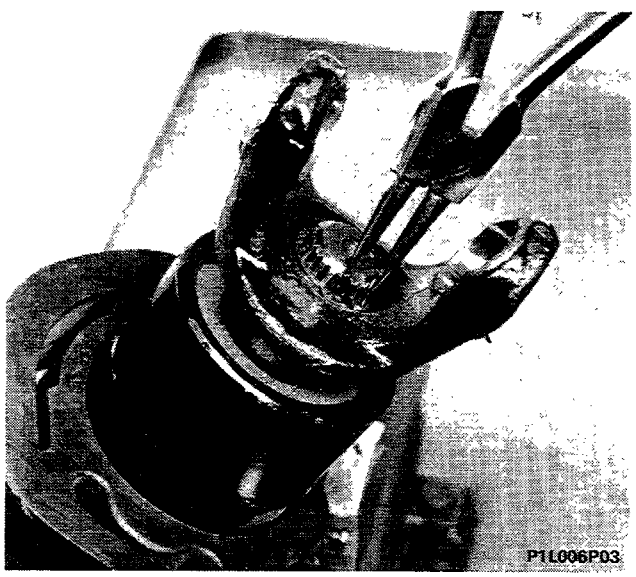
Carefully wash the constant velocity joint with solvent and visually check that the ball joints and seats are perfectly specular and free from any traces of seizing or grooves.

Carefully fill the cavities and the constant velocity joint with "Tutela MRM2" grease.

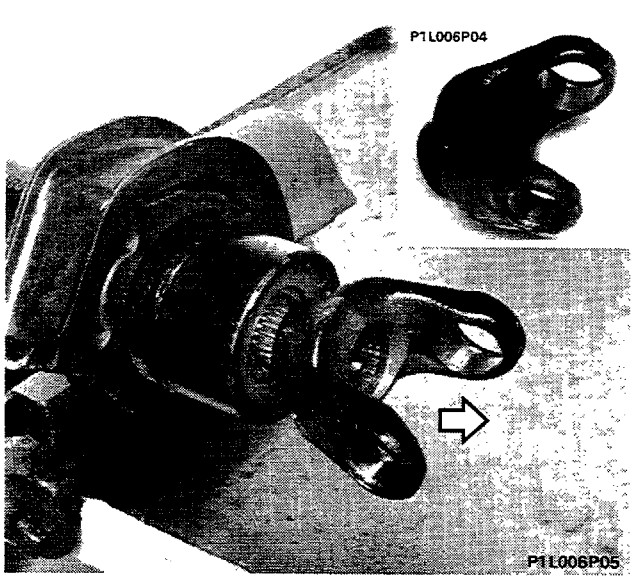
24.



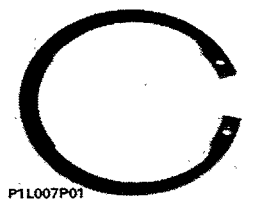
Removing spider for universal joint between middle and rear sections of propeller shaft



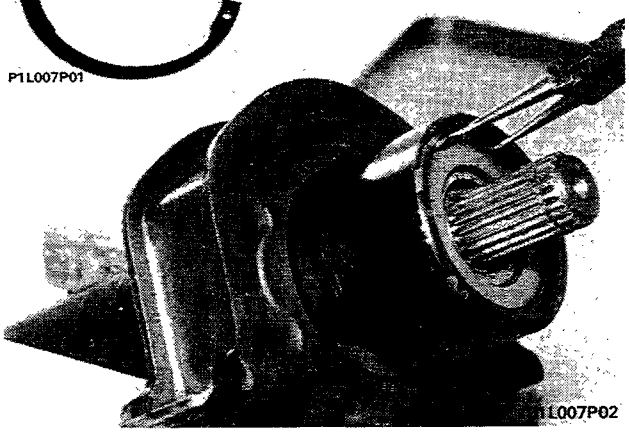
Removing fork sleeve circlip



Removing propeller shaft rear section fork sleeve

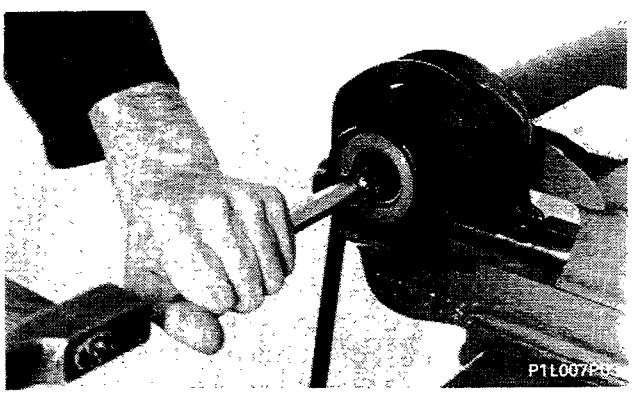


P1L007P01



P1L007P02

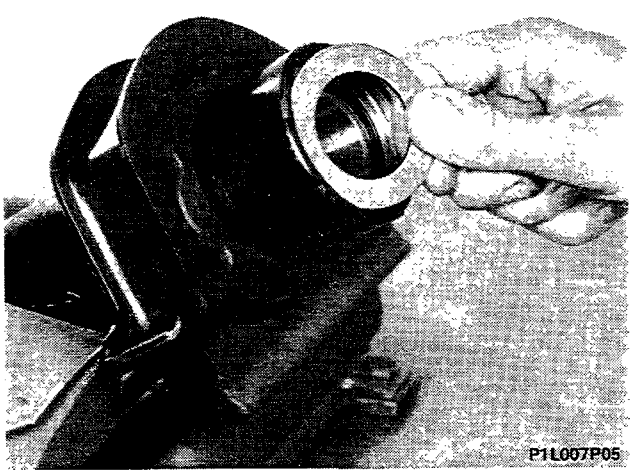
Removing bearing circlip



P1L007P03

Removing rear shaft from propeller shaft dust cover using drift

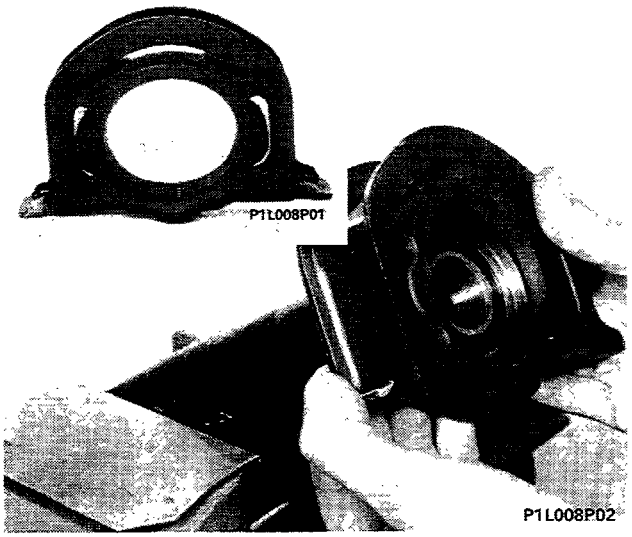
P1L007P04



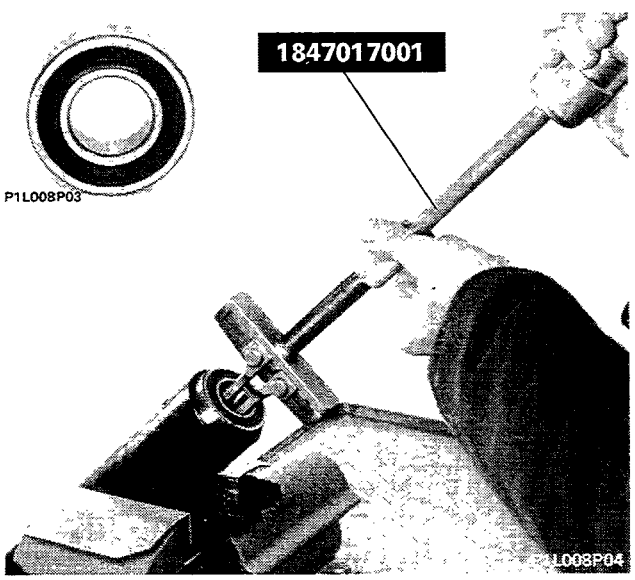
P1L007P05

Removing shim for ball bearing from inside of dust cover

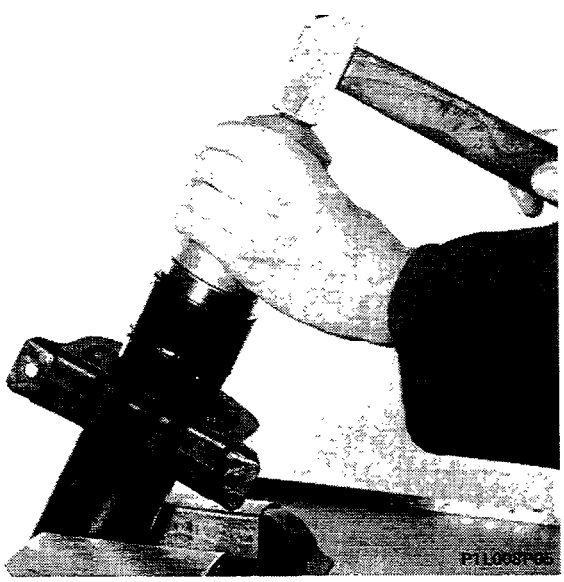
24.



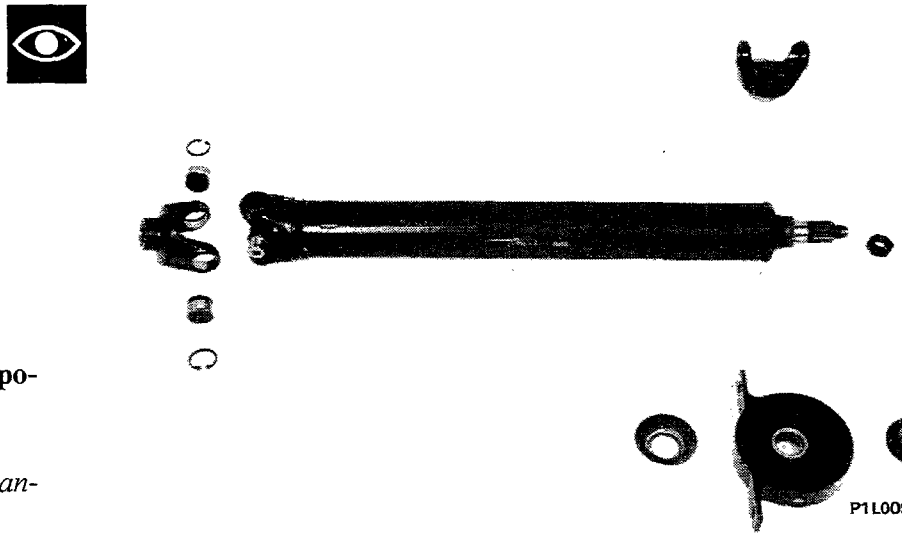
Removing flexible mounting from propeller shaft dust cover



Removing ball bearing from inside of propeller shaft dust cover using tool 1847017001



Fitting ball bearing in propeller shaft dust cover using drift

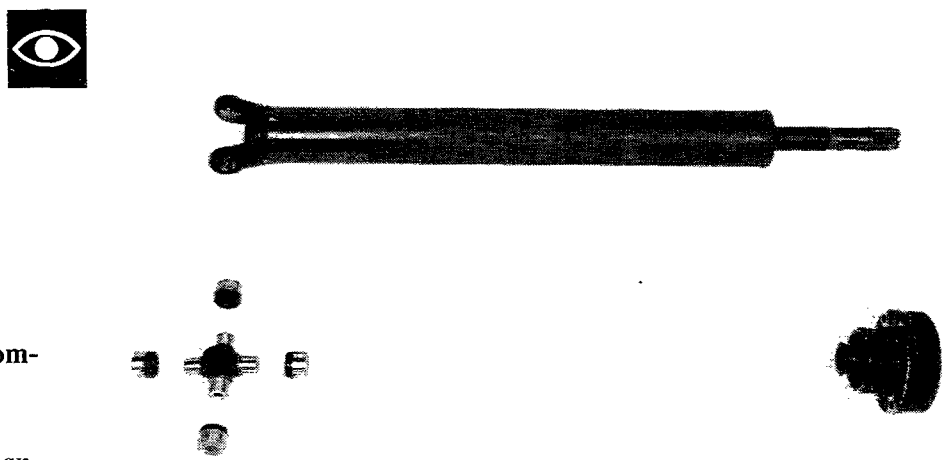


Propeller shaft front section components

The spider radial clearance is 0.01 - 0.04 mm.

P1L009P01

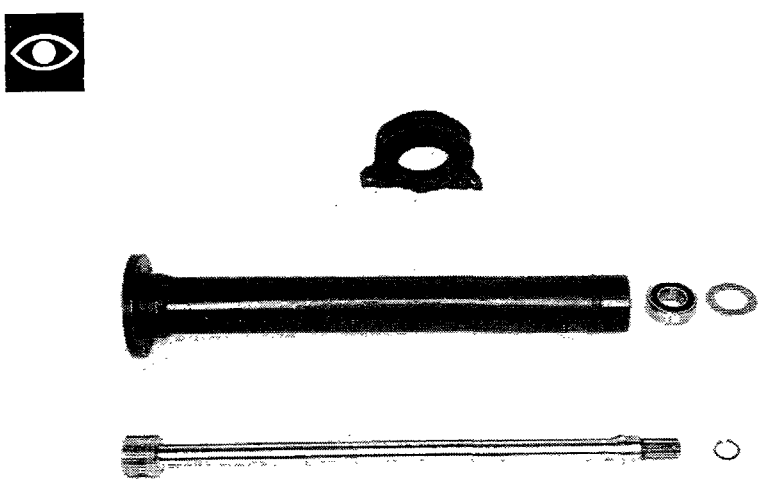
If the clearance measured exceeds the one given then the safety shims which are available as spares in the following sizes: 1.50 - 1.53 - 1.56 - 1.59 - 1.62 mm must be replaced.



Propeller shaft middle section components

The spider radial clearance is 0.01 - 0.04 mm.

P1L009P02



Propeller shaft rear section components

NOTE *When refitting the propeller shaft simply reverse the order of the operations carried out for its removal.*

P1L009P03

Fig. 1

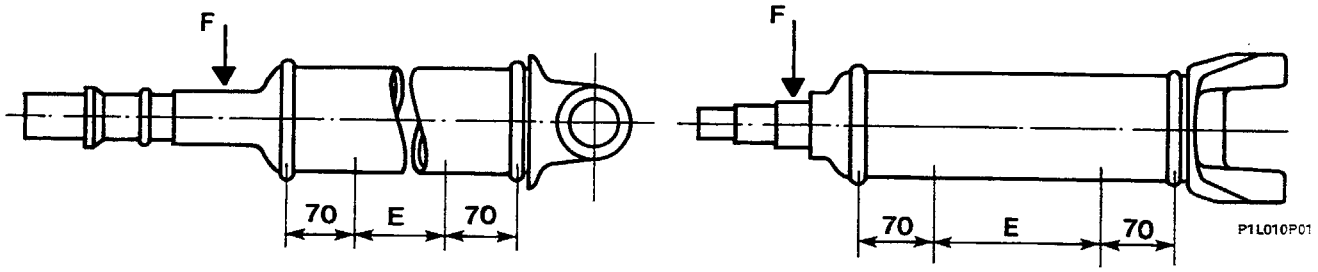
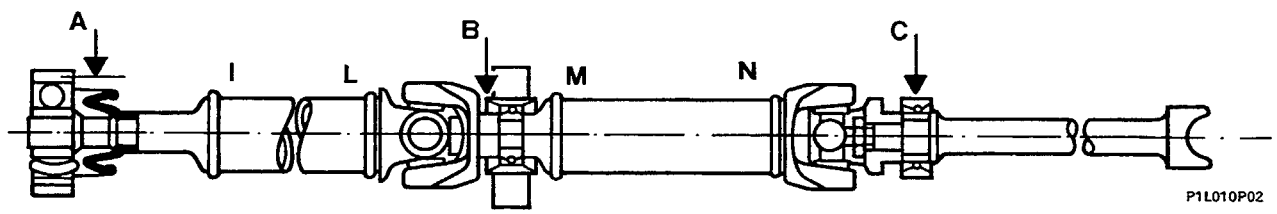


Fig. 2



CHARACTERISTICS	TEST CONDITIONS	TOLERANCE LIMITS
Equilibrium check	Fit the shaft on a balancing machine. Let the shaft rotate at 4500 rpm and check the imbalance corresponding to supports A - B - C (fig. 2)	$\leqslant$ 1,18 Nmm with the maximum use of 2 balancing plates of 25g each positioned in the following areas: I - L - M - N shown in fig. 2
Eccentricity check	With the shafts suspended between counter-points and with a dial gauge resting on points F and E (fig.1)	F $\leqslant$ 0,15 mm E $\leqslant$ 0,35 mm } Total reading

DESCRIPTION	Thread size	Tightening torque
		daNm
Propeller shaft to front differential fixing, bolt	M 8 x 1,25	4,2
Propeller shaft intermeidate support cross members fixing, nut	M 8 x 1,25	1,5
Propeller shaft rear differential fixing, nut for stud	M 10 x 1,25	5
Propeller shaft safety cross member fixing, nut	M 6 x 1	0,6
Propeller shaft shield fixing, nut	M 8 x 1,25	1