

ZFA31200003326919

Advanced Search



319 - Nuova
Panda

1.3 MULTIJET

MANUAL

2720C10 - DIFFERENTIAL UNIT - R.R.

REMOVING



the rear differential is removed along with the controlled coupling, since they are supplied as a single part.

- Place the car on a lift.
- Disconnect the connector for the battery dummy negative pole.

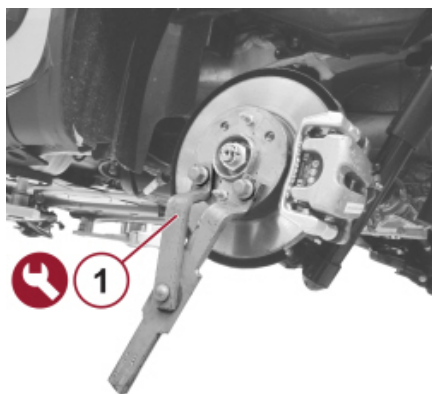
	DESCRIPTION	COMPONENT
-	TERMINAL BOX	See A005 Contact board

☐ Op. 4450B13 REAR WHEELS (TWO) - R.R

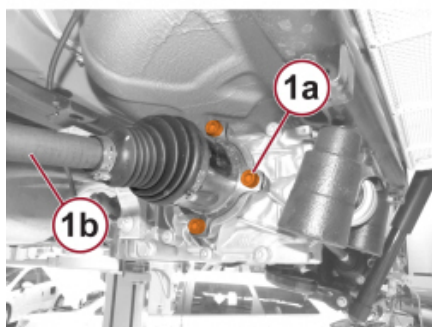
1. Place a suitable tool for counter-torque to undo the screws of the driveshafts

TOOL	NAME	FUNCTION	VALIDITY
1.870.815.000	Anticoppia	Svitare/serrare a coppia dado fissaggio mozzo ruota	0.9 85CV

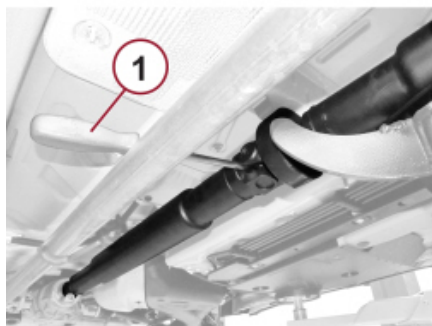
TOOL	NAME	FUNCTION	VALIDITY
1.870.815.000	Counter-torque	Undo/tighten wheel hub fixing nut to torque	1.3 MJet 75 HP



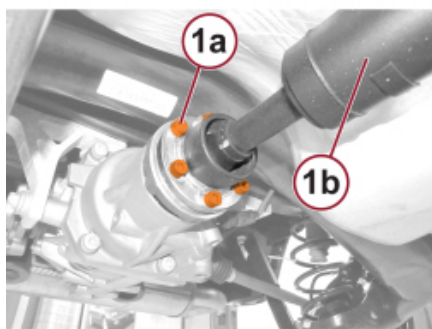
1. Undo the screws (1a) fixing the driveshaft (1b) complete with joints to the flange of the rear differential (RDM).



1. To undo the fixing screws for the propeller shaft joint, rear differential side, fit a screwdriver or a suitable tool in the propeller shaft universal joint for counter-torque.

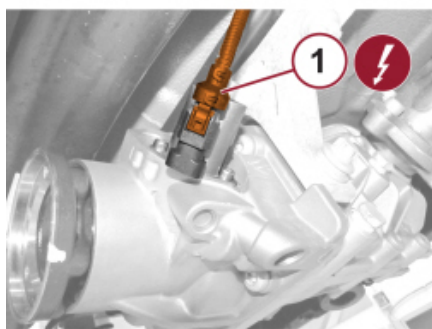


1. Undo the propeller shaft (1b) fixing screws (1a), rear differential side.

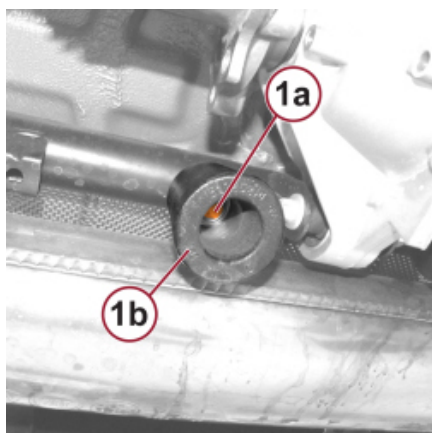


1. Disconnect the electrical connection for the controlled coupling solenoid valve.

		<u>See L107 CONTROLLED COUPLING SOLENOID VALVE</u>
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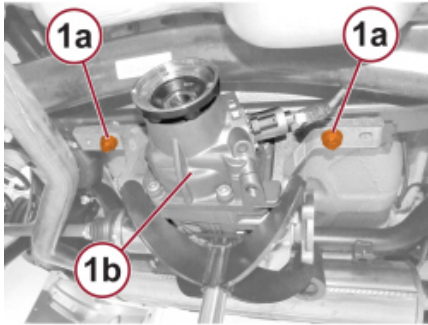


1. Undo the fixing screw (1a) and remove the right side damping mass (1b).

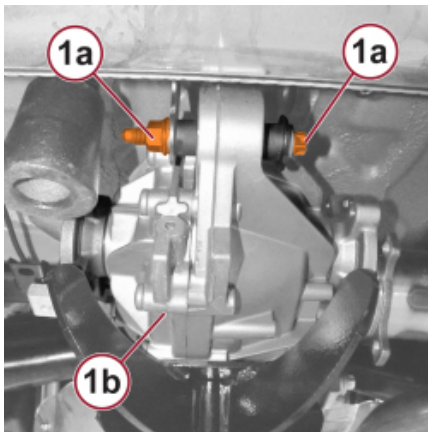


- Position a hydraulic column lift underneath the rear differential.

1. Undo the screws (1a) fixing the mounting brackets (1b) for the rear differential.

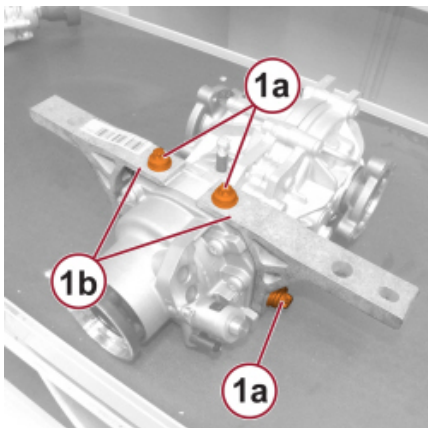


1. Undo the bolt (1a) fixing the rear differential (1b).



Lower the hydraulic lift and remove the rear differential complete with controlled coupling.

1. At bench, undo the fixing screws (1a) and remove the fixing brackets (1b).



REFITTING

- At bench, position the fixing brackets and tighten the fixing screws.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket upper fastening to RDM	Screw	M10x1.5x30	2.9 ÷ 3.1	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket upper fastening to RDM	Screw	M10x1.5x30	2.9 - 3.1	1.3 MultiJet 75 HP

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket side fastening to RDM	Screw	M12x1,75x45	6.7÷ 7.3	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket side fastening to RDM	Screw	M12x1,75x45	6.7 - 7.3	1.3 MultiJet 75 HP

- Position the rear differential complete with controlled joint in its housing with a hydraulic column lift.

- Tighten the rear differential fixing bolt.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Rear differential flexible mounting bush to body	Nut	M12x1.25	10.8 ÷ 13.2	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Rear differential flexible mounting bush to body	Nut	M12x1.25	10.8 ÷ 13.2	1.3 MultiJet 75 HP

- Tighten the screws securing the brackets supporting the rear differential to the reinforcement bar.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket to reinforcement bar	Screw	M12x1,75x62	11.4 ÷ 12.6	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
RDM mounting bracket to reinforcement bar	Screw	M12x1,75x62	11.4 ÷ 12.6	1.3 MultiJet 75 HP

- Remove the hydraulic column lift underneath the rear differential.
- Position the right side damping mass in its housing and tighten the fixing screw.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Damper mass to RDM chassis rear crossmember	Screw	M10x1.25	7.2 ÷ 8.8	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Damper mass to RDM chassis rear crossmember	Screw	M10x1.25	7.2 - 8.8	1.3 MultiJet 75 HP

- Connect the electrical connection for the controlled coupling solenoid valve.

		<u>See L107 CONTROLLED COUPLING SOLENOID VALVE</u>		
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- To tighten the fixing screws for the propeller shaft joint, rear differential side, fit a screwdriver or a suitable tool in the propeller shaft universal joint for counter-torque.
- Place the propeller shaft in its housing and tighten the fixing screws, rear differential side.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Propeller shaft coupling to controlled coupling	Screw	M8x35	3.6 ÷ 4.4	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Propeller shaft coupling to controlled coupling	Screw	M8x35	3.6 ÷ 4.4	1.3 MultiJet 75 HP

For both rear driveshafts:

- Tighten the screws fixing the driveshaft complete with joints to the flange of the rear differential.

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Rear driveshaft, differential side	Screw	M8x35	5.4 ÷ 6.6	0.9 85 HP 4x4

COMPONENT	FIXING	Ø	VALUE (DANM)	VALIDITY
Rear driveshaft, differential side	Screw	M8x35	5.4 ÷ 6.6	1.3 MultiJet 75 HP

- Place a suitable tool for counter-torque to undo the screws of the driveshafts.

TOOL	NAME	FUNCTION	VALIDITY
1.870.815.000	Anticoppia	Svitare/serrare a coppia dado fissaggio mozzo ruota	0.9 85CV

TOOL	NAME	FUNCTION	VALIDITY
1.870.815.000	Counter-torque	Undo/tighten wheel hub fixing nut to torque	1.3 MJet 75 HP

☐ **Op. 4450B13 REAR WHEELS (TWO) - R.R**

- Connect the connector for the battery dummy negative pole.

	DESCRIPTION	COMPONENT
-	TERMINAL BOX	<u>See A005 Contact board</u>

- Remove the car from the lift.