

Explanation

1, This manual book is applicable to the usage and maintenance of the gearboxes of model DABS10-4 and DABS10-8 manufactured by our factory.

2, The DABS10-4, DABS10-8 front-wheel-drive transaxles, with fine functions, advanced structures, made with high precision, compared with the current local products, it is in the leading position.

3, 《DABS10-4 Gearbox Usage & Maintenance Manual Book 》 is edited at the request of our customers. It describes in details each parts of the gearbox and the relations between every part of the gearbox, according to this manual, customers and technicians dismantle the gearbox for maintenance and repair by themselves.

4, In process of maintain and use, please inform us of the existing problems of DABS10-4 gearbox and the existing problems in the manual book and forward your written improvement opinions to us at any time, we would like to express our sincere gratitude.

Chapter 1 The Clutch

Section 1 Summarization

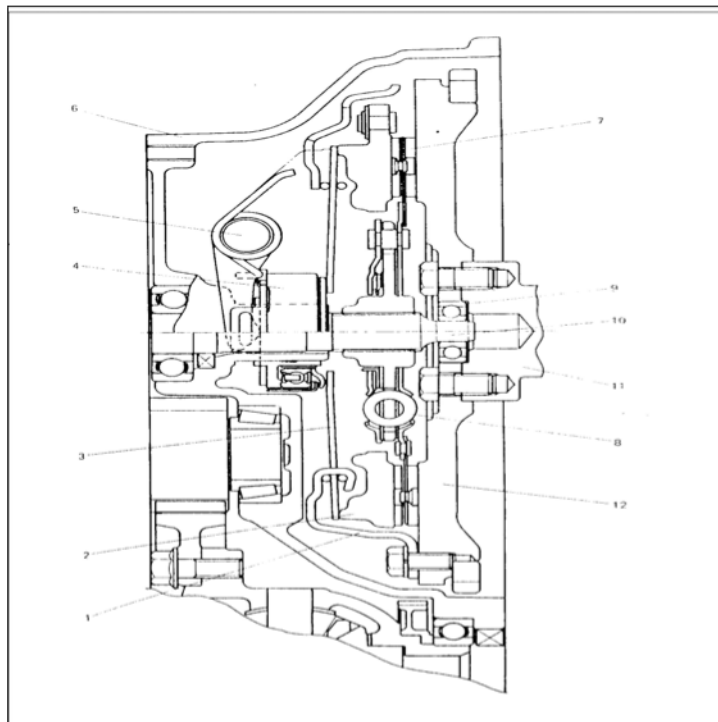
The clutch used in this car is dry type, a diaphragm spring disc spring, often press type clutch.

The clutch disc assembly is consist of six pieces of absorber springs, and is fixed on the input axle of the transmission through splined hub.

The clutch platen assembly is fixed on the flywheel, the fixing state of diaphragm spring is in this mode: when the Release bearing draws back, the edges of diaphragm spring is beginning to drive the platen against the flywheel. This is the clutch jointing state.

Step on the clutch pedal to move release bearing forward, diaphragm spring. At this time, diaphragm spring pulls the platen and comes away from the flywheel, thereby disconnect driving from the flywheel via to input shaft.

For the vehicles with three-way catalyst, the clutch switch is located on the upper position of the clutch pedal.



- 1,Pressure plate assembly 2,Pressure plate 3,Diaphragm spring 4,Release bearing
 5,Release fork 6,Clutch housing 7,Clutch disc 8,Cushion or damper spring 9,
 Input shaft 10.Input shaft 11.Crankshaft 12.Flywheel

Section 2 Fault Diagnosis

Fault Phenomenon	Reasons	Solution
The Clutch Skids	The free journey (free moving clearance) of the clutch pedal is unavailable. The clutch disc has been frayed or has greasy dirt. The surface of clutch disc pressure plate flywheel has been distorted. Diaphragm spring has become weaker. Clutch cable has rusted.	Adjust the pedal free play Replace the clutch disc, Pressure plate or flywheel. Replace the clutch cable.
The clutch does not come away completely.	The free journey (free moving clearance) of the clutch pedal is unavailable. Diaphragm spring has become weaker. Input shaft splined hub has been frayed. The clutch disc swings excessively. The clutch disc has been damaged or has greasy dirt.	Adjust the free journey Replace the pressure plate assembly. Lubricate Replace the input shaft Replace the clutch disc.
The clutch vibrate	The clutch disc has been frayed as clean as whistle. The clutch disc have greasy dirt . The Release bearing glides badly on the Spacer. The clutch disc shakes or the clutch disc contacts badly. The clutch disc Cushion or damper spring has become weaker. The clutch disc rivet has become loose. The Pressure plate was damaged or bolt has become loose.	Repair or replace the clutch disc Replace the clutch disc Lubricate. Replace the clutch disc Replace the clutch disc Replace pressure plate assembly or flywheel Tighten or replace gasket
The clutch contain noise	The release bearing has frayed or damaged. The input shaft front bearing was frayed. The clutch disc has unwonted noise. The clutch disc has cracks. The Pressure plate diaphragm spring have unwonted noise.	Replace the release bearing. Replace the input shaft bearing. Replace the clutch disc assembly. Replace the pressure plate assembly.
The clutch can't take off	The clutch disc was dipped by oil liquid. The clutch disc was frayed badly. The rivet comes out. The cushion or damper spring has become weaker.	Replace the clutch disc assembly