1. Clutch Trouble in General

Symptom	Possible cause	Corrective action
1. Clutch slippage	(a) No clutch pedal play	Readjust.
It is hard to perceive clutch slippage in		
the early stage, but pay attention to the	/h\ NI= as I = a = a I = a = a I = a	Deading
following symptoms.	(b) No release lever end play	Readjust.
Engine revs up when shifting. Light aread driving in impressible.		
 High speed driving is impossible; especially rapid acceleration impossible and vehicle speed does not increase in proportion to an increase in engine speed. Power falls, particularly when ascending a slope, and there is a smell of burning of the clutch facing. Method of testing: Put the vehicle in stationary condition with parking brake fully applied. Disengage the clutch and shift the transmission gear into the first. 	(c) Clutch facing smeared by oil	Replace.
	(c) crassification g content at a content at	
	(d) Worn clutch facing	Replace.
	(e) Deteriorated diaphragm spring	Replace.
	(e) Deteriorated diaprilagin spring	replace.
	(f) Distorted pressure plate or flywheel	Correct or replace.
Gradually allow the clutch to engage	() 5 () ;	
while gradually increasing the engine	(g) Defective release bearing holder	Correct or replace.
speed. The clutch function is satisfactory		
if the engine stalls. However, the clutch	(h) Defective pedal and cable system	Correct or replace.
is slipping if the vehicle does not start off	(ii) Derective pedal and easile eyelem	Control of Topicoo.
and the engine does not stall.		
2. Clutch drags.	(a) Excessive clutch pedal play	Readjust.
As a symptom of this trouble, a harsh scratching noise develops and control	(b) Excessive clutch release lever play	Readjust.
becomes quite difficult when shifting	(c) Worn or rusty clutch disc hub spline	Replace clutch disc.
gears. The symptom becomes more apparent when shifting into the first gear. However, because much trouble of this sort is due to defective synchronization mechanism, carry out the test as	(d) Excessive deflection of clutch disc	Correct or replace.
	facing	
	(e) Seized crankshaft pilot needle bear-	Replace.
	ing	
described after.	(f) Malfunction of pedal and cable sys-	Correct or replace.
Method of testing: <ref. 2-10<="" td="" to=""><td>tem</td><td>- Control of the cont</td></ref.>	tem	- Control of the cont
[K1A0].>	(g) Cracked clutch disc facing	Replace.
It may be judged as insufficient disen-	(h) Sticked clutch disc (smeared by oil or	Replace.
gagement of clutch if any noise occurs during this test.	water)	Періасе.
3. Clutch chatters. Clutch chattering is an unpleasant vibration to the whole body when the vehicle is just started with clutch partially engaged.	(a) Improper clutch cable routing	Correct.
	(b) Adhesion of oil on the facing	Replace clutch disc.
	(c) Weak or broken torsion spring	Replace clutch disc.
	(d) Defective facing contact or excessive	Replace clutch disc defection.
	disc	-1
	(e) Warped pressure plate or flywheel	Correct or replace.
	(f) Loose disc rivets	Replace clutch disc.
	(g) Loose engine mounting	Retighten or replace mounting.
	(h) Improper adjustment of pitching stop-	Adjustment.
	per	
Noisy clutch Examine whether the noise is generated	(a) Broken, worn or unlubricated release	Replace release bearing.
	bearing	
when the clutch is disengaged, engaged,	(b) Insufficient lubrication of pilot bearing	Apply grease.
or partially engaged.	(c) Loose clutch disc hub	Replace clutch disc.
	(d) Loose torsion spring retainer	Replace clutch disc.
	(e) Deteriorated or broken torsion spring	Replace clutch disc.
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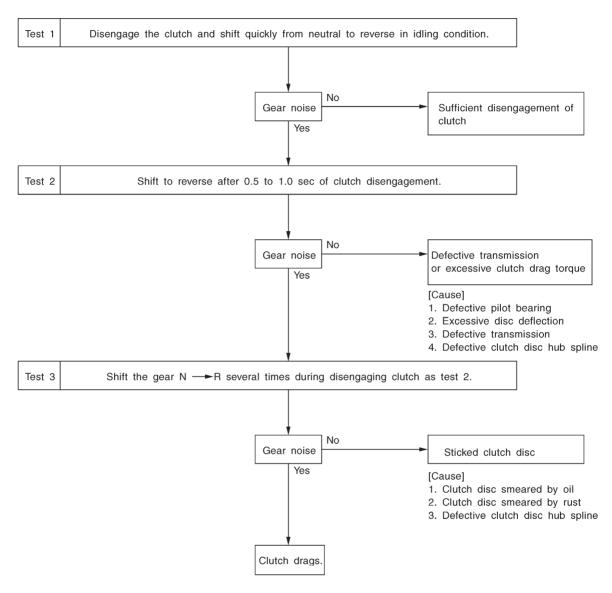
DIAGNOSTICS

[K100] **2-10**1. Clutch Trouble in General

Symptom	Possible cause	Corrective action
5. Clutch grabs. When starting the vehicle with the clutch partially engaged, the clutch engages suddenly and the vehicle jumps instead of making a smooth start.	(a) Grease or oil on facing	Replace clutch disc.
	(b) Deteriorated cushioning spring	Replace clutch disc.
	(c) Worn or rusted spline of clutch disc or main	Take off rust, apply grease or replace clutch shaft disc or mainshaft.
	(d) Deteriorated or broken torsion spring	Replace clutch disc.
	(e) Loose engine mounting	Retighten or replace mounting.
	(f) Deteriorated diaphragm spring	Replace.

DIAGNOSTICS

A: DIAGNOSTIC DIAGRAM OF CLUTCH DRAG



[Cause]

- 1. Cracked clutch disc facing
- 2. Damaged or worn clutch cover
- 3. Malfunction of clutch release system
- 4. Insufficient clutch release amount
- 5. Excessive clutch pedal play

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