SYMPTOM TROUBLESHOOTING [DYNAMIC STABILITY CONTROL (DSC)]

id0403b2804200

• Verify the symptoms, and perform troubleshooting according to the appropriate number.

No.	Symptom
1	Any of the following lights do not illuminate with the ignition to ON:
	ABS warning light
	Brake system warning light
	TCS/DSC indicator light
	TCS OFF indicator light
2	Any of the following lights stay on:
	ABS warning light
	TCS/DSC indicator light
	TCS OFF indicator light
3	Brake system warning light stay on
4	There is a malfunction in the system even though ABS warning light, brake system warning light, TCS/DSC indicator
	light and TCS OFF indicator light do not illuminate
5	ABS or TCS ^{*1} operates frequently
	TCS does not work correctly
6	DSC ^{*2} operates frequently
	DSC does not work correctly
7	TCS/DSC indicator light flashes (when neither the TCS nor the DSC are operating)
8	Hill launch assist (HLA) operates even on a downhill
	Hill launch assist (HLA) does not operate on a slope
9	Master warning light stay on and a message "SCBS Inspection Required" is indicated in the display

X: Applied

	1	2	3	4	5	6	7	8	9 º
Troubleshooting item	Any of the following lights do not illuminate with the ignition to ON: (ABS warning light, brake system warning light, TCS/DSC indicator light and/or TCS OFF indicator light)	Any of the following lights stay on: (ABS warning light, brake system warning light, TCS/DSC indicator light and/or TCS OFF indicator light)	Brake system warning light stay on	There is a malfunction in the system even though ABS warning light, brake system warning light, TCS/DSC indicator light and TCS OFF indicator light do not illuminate	ABS or TCS*1 operates frequently/ TCS does not work correctly	DSC*2 operates frequently/ DSC does not work correctly	TCS/DSC indicator light flashes (when neither the TCS nor the DSC are operating)	Hill launch assist (HLA) operates even on a downhill/ Hill launch assist (HLA) does not operate on a slope	Master warning light stay on and a message "SCBS Inspection Required" is indicated in the
DSC HU/CM does not operate	Х	Х	Х				-		
Communication error between DSC HU/CM and instrument cluster	х	х	х						
DSC HU/CM internal malfunction	Х	Х	Х						Х
Instrument cluster malfunction	Х	Х	Х						
Brake fluid amount is low			Х						
DSC HU/CM detected malfunction (input and output device malfunction)		х	x		Х	х		x	х

				1				
DSC HU/CM detects								
low voltage in power		X	X					
supply								
DSC HU/CM ground	Х	V						
malfunction	^	X	X					
No connection at								
DSC HU/CM		Х	X					
connector								
Parking brake does								
not release			X				X	
Parking brake switch			.,					
or brake fluid level			X					
sensor stuck on								
Short to ground in								
wiring harness								
between parking			X					
brake switch and								
instrument cluster								
Short to ground in								
wiring harness								
between brake fluid								
level sensor and			X					
front body control								
module (FBCM)								
There is a								
mechanical				X				
malfunction in								
system								
Incorrect ABS								
wheel-speed signal		Х			Х	X	Х	
is inputted to DSC								
HU/CM								
There is a difference								
in size, air pressure								
or wear conditions					X	X	Х	
between front and								
rear tires								
There is a								
malfunction in								
engine control					Х			
system (TCS								
malfunction)								
Poor installation with								
SAS control module						X	Χ	
(yaw rate sensor,								
low-G sensor)								
DSC HU/CM initial								
setting has not been								
performed after		Х				Х	Х	
replacing DSC HU/								
CM								
Input signal								
malfunction from								
instrument cluster			X				Х	
(parking brake			^					
signal)								
Input signal								
malfunction from							Χ	
PCM (reverse gear								
signal)								

Communication						
error between DSC						
HU/CM and front		X			X	
body control module						
(FBCM)						
Communication						
error between DSC	X				X	
HU/CM and PCM						
Low-G sensor						
initialization has not						
been performed	X			X	X	
after replacing SAS						
control module						
DSC HU/CM detects						
a malfunction (input/					V	
output device	X				X	
malfunction)						
Center point of low-						
G sensor has	X				X	
deviated						
PCM and/or						
instrument cluster	X				X	X
detect a malfunction						
Error input signal	V					
from PCM	X				Х	
Brake (foot brake/					V	
parking brake) drag					Х	
Laser sensor detect						
a malfunction						X

 $^{^{*1}}$: DSC system function contains traction control function, TCS/DSC indicator light goes on and off while TCS operates *2 : TCS/DSC indicator light goes on and off while DSC operates