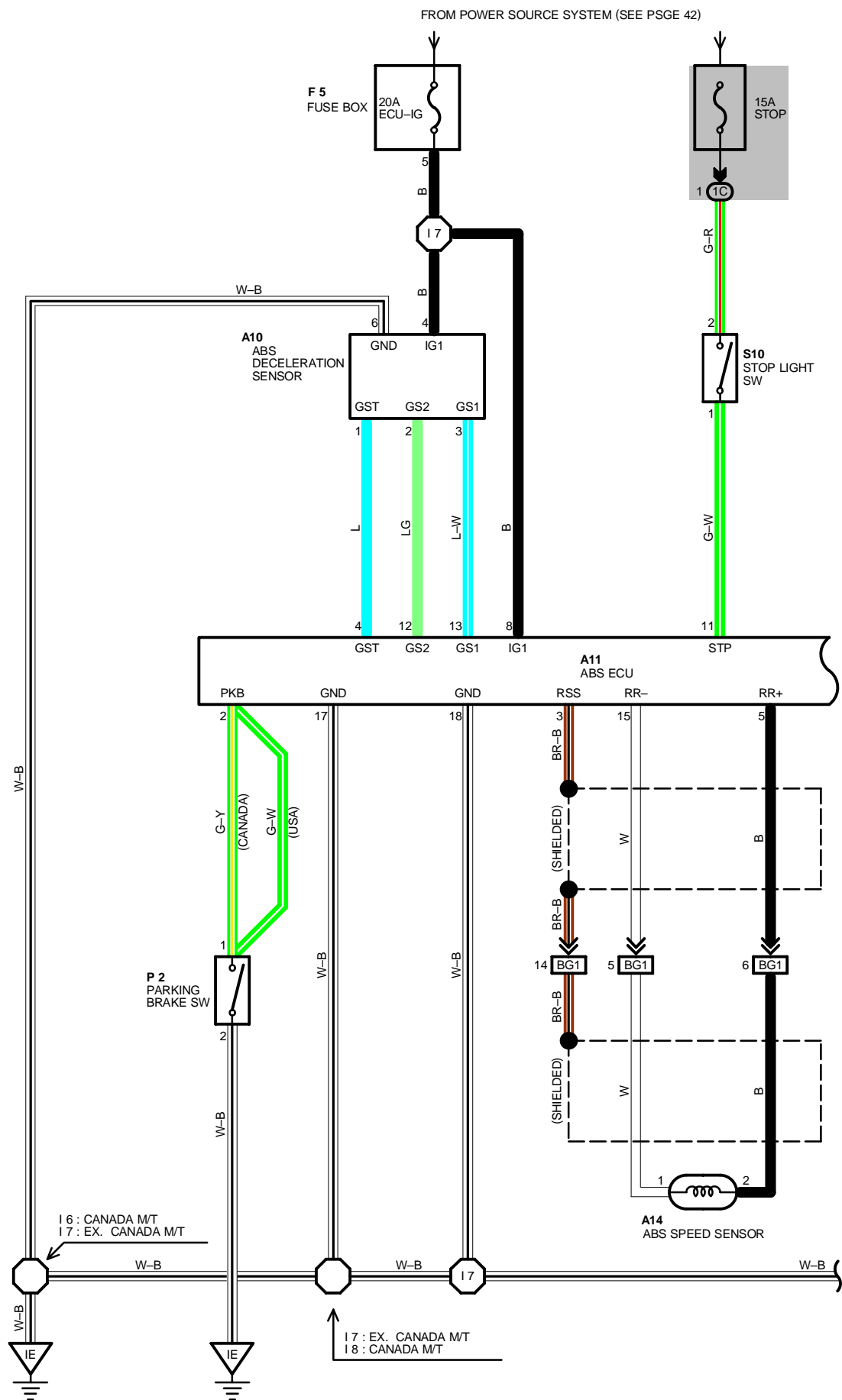


# REAR WHEEL ANTI-LOCK BRAKE





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## SYSTEM OUTLINE

THIS BRAKE SYSTEM HELPS TO MAINTAIN VEHICLE STABILITY DURING SUDDEN BRAKING BY CONTROLLING THE BRAKE FLUID PRESUURE OF EACH REAR WHEEL AND PREVENTING WHEEL LOCK-UP.

### (INPUT SIGNALS)

#### 1. SPEED SENSOR SIGNAL

THE SPEED OF THE REAR WHEELS IS DETECTED AND INPUT AS A SIGNAL TO **TERMINAL RR+** OF THE ABS ECU.

#### 2. ANTI LOCK DECELERATION SENSOR SIGNAL

VEHICLE DECELERATION IS DETECTED AND THE SIGNAL IS INPUT TO ABS ECU.

#### 3. STOP LIGHT SW SIGNAL

WHEN THE BRAKE PEDAL IS OPERATED, A SIGNAL IS INPUT TO **TERMINAL STP** OF ABS ECU.

### (SYSTEM OPERATION)

DURING SUDDEN BRAKING, THE ABS ECU (WHICH HAS RECEIVED SIGNALS FROM EACH SENSOR) OPERATES TO CONTROL THE CURRENT ACTING ON THE SOLENOID INSIDE THE ACTUATOR AND REDUCE THE FLUID PRESSURE ACTING ON REAR CYLINDER.

IF THE ECU NEXT JUDGES THAT THE FLUID PRESSURE ACTING ON THE WHEEL CYLINDER IS NOT SUFFICIENT, CURRENT FLOW TO THE SOLENOID IS CONTROLLED AND FLUID PRESSURE IS INCREASED.

IN THE CASE OF THE FLUID PRESSURE HOLDING MODE ALSO, THE COMPUTER OPERATES IN THE SAME WAY AS BEFORE TO MAINTAIN THE FLUID PRESSURE.

BY REPEATED PRESSURE DECREASE, PRESSURE INCREASE AND PRESSURE HOLDING, STABLE BRAKING OF THE VEHICLE IS MAINTAINED.

## SERVICE HINTS

### A11 ABS ECU

11-GROUND : APPROX. 12 VOLTS WITH BRAKE PEDAL DEPRESSED

8-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT **ON** POSITION

17-GROUND : ALWAYS CONTINUITY

18-GROUND : ALWAYS CONTINUITY

2-GROUND : CONTINUITY WITH PARKING BRAKE LEVER RETURN AND BRAKE FLUID FLOAT UP

## : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
A 3	22	A14	25	I11	24
A 4	22	C 8	24	P 2	24
A10	24	D 1	22	S10	24
A11	24	F 5	24		

## : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1 C	20	
1 D		COWL WIRE AND J/B NO.1 (LEFT KICK PANEL)

## : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
ID1	28	ENGINE WIRE AND COWL WIRE (RIGHT KICK PANEL)
BG1	30	FRAME WIRE AND COWL WIRE (UNDER PASSENGER'S SEAT)

## : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ED	26	CAMSHAFT BEARING CAP
IE	28	LEFT KICK PANEL

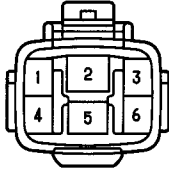
## : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 6	28	COWL WIRE	I 8	28	COWL WIRE
I 7					

A 3 GRAY



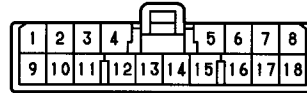
A 4 GRAY



A10 GRAY



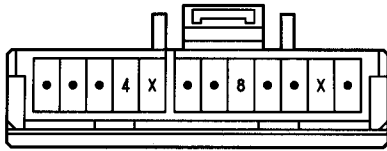
A11



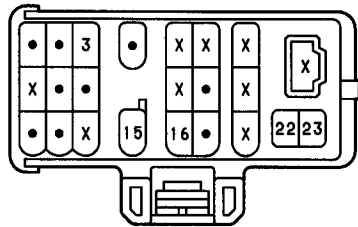
A14 GRAY



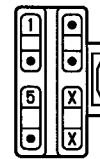
C 8 BLUE



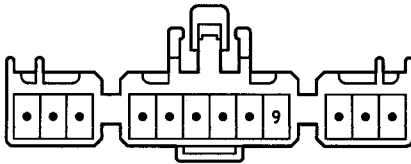
D 1 DARK GRAY



F 5



I11



P 2 (W/ CRUISE CONTROL) S10



(W/O CRUISE CONTROL) S10 BLACK

