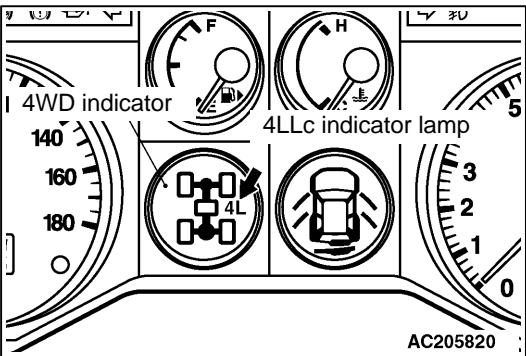


# POWER TRAIN

## MANUAL TRANSMISSION

Although vehicles with manual transmission are basically the same as before, due to the addition of vehicles with M-ATC (where applicable) and M-ASTC (where applicable) and 4LLc indicator lamp in the combination meter, electronically controlled features of Super Select 4WD II have been changed partially.



### SUPER SELECT 4WD II (SS4 II)

#### 4LLC INDICATOR LAMP

When the transfer shift lever is in the 4LLc position, 4LLc indicator lamp (letters of 4L) within the 4WD indicator illuminates so that 4HLc and 4LLc can be distinguished from each other.

### TRANSFER-ECU

The following terminals have been added or changed.

1	2	3	4	5	6	7	8	9	10	11	12	13	31	32	33	34	35	36	37	38	39	40	41
14	15	16	17	18	19	20	21	22	23	24	25	26	42	43	44	45	46	47	48	49	50	51	52

X0696CA

6. M-ATC-ECU or M-ASTC-ECU  
signal (FR)  
<Vehicles with M-ATC or  
M-ASTC>

8. M-ATC-ECU or M-ASTC-ECU  
signal (RL)  
<Vehicles with M-ATC or  
M-ASTC>

10. M-ATC-ECU or M-ASTC-ECU  
signal (RR)  
<Vehicles with M-ATC or  
M-ASTC>

19. M-ATC-ECU or M-ASTC-ECU  
signal (FL)  
<Vehicles with M-ATC or  
M-ASTC>
37. 2WD indicator lamp (RL)  
<Vehicles with M-ATC and  
M-ASTC>

38. 4WD indicator lamp (FL)  
<Vehicles with M-ATC and  
M-ASTC>

48. 2WD indicator lamp (RR)  
<Vehicles with M-ATC and  
M-ASTC>

49. 4WD indicator lamp (FR)  
<Vehicles with M-ATC and  
M-ASTC>

52. 4LLc indicator lamp

**DIAGNOSIS CODE**

The following items have been added to the vehicles with M-ATC and the vehicles with M-ASTC.

Item		Judgment condition	Fail-safe	Diagnosis code No.
M-ATC-ECU or M-ASTC-ECU signal <Vehicles with M-ATC or M-ASTC>	Open circuit	All communication lines with M-ATC-ECU or M-ASTC-ECU become open circuits.	Continuation of control	61

**SERVICE DATA**

The following items have been added to the vehicles with M-ATC and the vehicles with M-ASTC.

Service Data No.	Item	Display
39	M-ATC-ECU or M-ASTC-ECU signal (FR) <Vehicles with M-ATC or M-ASTC>	ON/OFF
40	M-ATC-ECU or M-ASTC-ECU signal (FL) <Vehicles with M-ATC or M-ASTC>	ON/OFF
41	M-ATC-ECU or M-ASTC-ECU signal (RR) <Vehicles with M-ATC or M-ASTC>	ON/OFF
42	M-ATC-ECU or M-ASTC-ECU signal (RL) <Vehicles with M-ATC or M-ASTC>	ON/OFF

**AUTOMATIC TRANSMISSION**

Although vehicles with automatic transmission are basically the same as before, CAN communication has been adopted for vehicles with M-ATC and M-ASTC. Furthermore, the same changes have been made to Super Select 4WD II (SS4II) as vehicles with manual transmission.

**ELECTRONIC CONTROL SYSTEM****CONTROL UNIT**

CAN communication has been adopted for vehicles with M-ATC and M-ASTC. (Refer to GROUP 3 – CAN for CAN communication.)

## &lt;6G7&gt;

CAN\_H has been added to terminal No. 81, and CAN\_L has been added to terminal No. 82.

1	2	3	4		5	6	7	8	41	42	43		44	45	46	71	72	73	74		75	76	77	101	102	103	104		105	106	107																			
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	47	48	49	50	51	52	53	54	55	56	57	78	79	80	81	82	83	84	85	86	87	88	89	108	109	110	111	112	113	114	115	116	117	118	119	120
24	25	26	27	28	29	30	31	32	33	34	35	58	59	60	61	62	63	64	65	66	90	91	92	93	94	95	96	97	98	121	122	123	124	125	126	127	128	129	130											

9FA0253

## &lt;4M4&gt;

CAN\_H has been added to terminal No. 53, and CAN\_L has been added to terminal No. 54.

1	2	3	4	5	6	7	8	9	10	11	12	13	31	32	33	34	35	36	37	38	51	52	53	54	55	56	57	58	59	60	61
14	15	16	17	18	19	20	21	22	23	24	25	26	39	40	41	42	43	44	45	46	62	63	64	65	66	67	68	69	70	71	72

9FA0133

**SUPER SELECT 4WD II (SS4 II)**

Refer to P.2-1.

## PROPELLER SHAFT

The specifications of the propeller shaft has been changed as following.

- The length has been changed.
- The position of the universal joint grease nipple has been changed.

### SPECIFICATIONS

#### <Vehicles for General Export (except for Brazil, Taiwan, Hong Kong, South Africa, Argentina)>

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	4M40-M/T, 4M41-M/T, 6G74MPI-M/T	701 × 50.8	705 × 50.8
			6G72MPI-M/T	701 × 50.8	700 × 50.8
			6G72MPI-A/T	710 × 50.8	713 × 50.8
			4M40-A/T, 4M41-A/T	753 × 50.8	755 × 50.8

#### <Vehicles for Brazil>

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	4M40-M/T, 4M41-M/T, 6G74MPI-M/T	701 × 50.8	705 × 50.8
			6G72MPI-M/T	701 × 50.8	700 × 50.8
			6G72MPI-A/T	710 × 50.8	713 × 50.8
			4M40-A/T, 4M41-A/T	753 × 50.8	755 × 50.8

#### <Vehicles for Hong Kong>

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	6G72MPI-M/T	701 × 50.8	–
			6G72MPI-A/T	710 × 50.8	–
			6G74MPI-A/T	710 × 50.8	713 × 50.8

#### <Vehicles for South Africa>

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	4M41-M/T, 6G74MPI-M/T	701 × 50.8	705 × 50.8
			4M41-A/T	753 × 50.8	755 × 50.8

#### <Vehicles for Argentina>

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	4M40-M/T, 4M41-M/T	701 × 50.8	705 × 50.8

#### NOTE

The propeller shaft length indicates the length between the centre points of each joint.

## &lt;Vehicles for GCC&gt;

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	6G72MPI-M/T	701 × 50.8	700 × 50.8
			6G72MPI-A/T	710 × 50.8	713 × 50.8
			6G74MPI-M/T <Super Select 4WD-II>	701 × 50.8	705 × 50.8

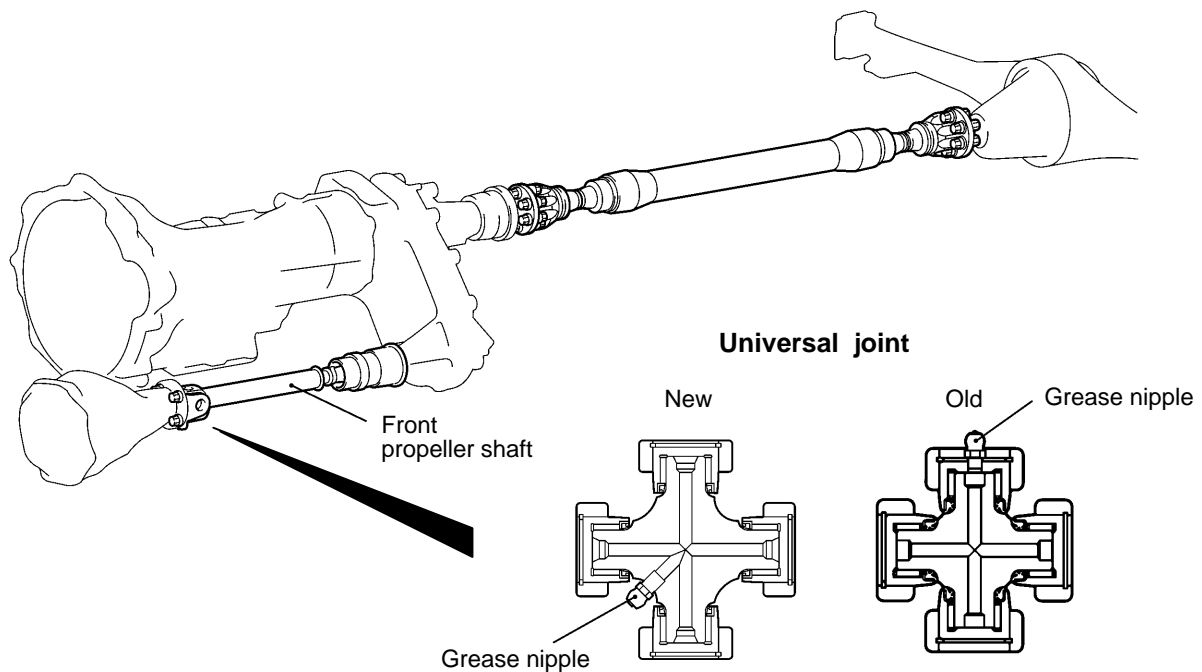
## &lt;Vehicles for Australia&gt;

Item				New	Old
Propeller shaft	Length × Outside diameter mm	Front	4M41-M/T, 6G74MPI-M/T	701 × 50.8	705 × 50.8
			4M41-A/T	753 × 50.8	755 × 50.8

## NOTE

The propeller shaft length indicates the length between the centre points of each joint.

## CONSTRUCTION DIAGRAM



AC204271AB