

Reprogramming J-2534 Files

April 2016 Version

Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	---	WQD40	WQD40	WQD40	AT	CAL	22611BC090	<Service Campaign WQD-40 only>	None
ECM	---	WQD40	WQD40	WQD40	MT	CAL	22611BC080	<Service Campaign WQD-40 only>	None
ECM	---	WQD40	WQD40	WQD40	AT	CAL	22611BC05A	<Service Campaign WQD-40 only>	None
ECM	---	WQD40	WQD40	WQD40	MT	CAL	22611BC04A	<Service Campaign WQD-40 only>	None
ECM	---	WQD40	WQD40	WQD40	AT	CAL	22611BC070	<Service Campaign WQD-40 only>	None
ECM	---	WQD40	WQD40	WQD40	MT	CAL	22611BC060	<Service Campaign WQD-40 only>	None
ECM	2003	Legacy	2.5L	non-Turbo	MT, AT	FED, CAL	UD-S205C	P0172, Hesitation, P030X, Hard start with open throttle, P0172	None
ECM	2003	Outback	2.5L	non-Turbo	MT, AT	FED, CAL	UD-S205C	P0172, Hesitation, P030X, Hard start with open throttle, P0172	None
ECM	2003	Baja	2.5L	non-Turbo	MT, AT	FED, CAL	UD-S205C	P0172, Hesitation, P030X, Hard start with open throttle, P0172	None
ECM	2004	Legacy	2.5L	non-Turbo	MT, AT	FED	22611AJ19D	P0172, P0464, P0139	None
ECM	2004	Outback	2.5L	non-Turbo	MT, AT	FED	22611AJ20D	P0172, P0464, P0139	None
ECM	2004	Baja	2.5L	non-Turbo	MT, AT	FED	22611AJ20D	P0172, P0464, P0139	None
ECM	2004	Legacy	2.5L	non-Turbo	MT	CAL	22611AJ10C	Service Campaign WWX-08	None
ECM	2004	Outback	2.5L	non-Turbo	MT	CAL	22611AJ10C	Service Campaign WWX-08	None
ECM	2004	Legacy	2.5L	non-Turbo	AT	CAL	22611AG83D	Service Campaign WWX-08	None
ECM	2004	Outback	2.5L	non-Turbo	AT	CAL	22611AG84D	Service Campaign WWX-08	None
ECM	2005	Baja	2.5L	Turbo	MT	FED, CAL	UD-S207	Stumble / Hesitation at low ambient temperature, P1160, Rough idle after cold soak in high altitude area	None
ECM	2005	Baja	2.5L	Turbo	AT	FED, CAL	UD-S207	Stumble / Hesitation at low ambient temperature, P1160, Rough idle after cold soak in high altitude area	None
ECM	2005	Baja	2.5L	non-Turbo	MT, AT	FED, CAL	22611AJ99E	P0464, P0139	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	FED	UD-S222A	P1160, P2097, Surge on downhill, Cruise control switch shuts off	None

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ECM	2005	Outback	2.5L	non-Turbo	MT	FED	UD-S222A	P1160, P2097, Surge on downhill, Cruise control switch shuts off	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	CAL	22611AH92G	P1160, Surge on downhill, Cruise control switch shuts off, <Service Campaign WVH-18 WVI-19> (Release month: June, 2009)	None
ECM	2005	Outback	2.5L	non-Turbo	MT	CAL	22611AH92G	P1160, Surge on downhill, Cruise control switch shuts off, <Service Campaign WVH-18 WVI-19> (Release month: June, 2009)	None
ECM	2005	Outback	2.5L	non-Turbo	AT	FED	UD-S218A	P1160, P2097, Surge on downhill while cruise control is operating	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	FED	UD-S218A	P1160, P2097, Surge on downhill while cruise control is operating	None
ECM	2005	Outback	2.5L	non-Turbo	AT	CAL	22611AH94F	P1160, P2097, Surge on downhill, <Service Campaign WVH-18 WVI-19> (Release month: June, 2009)	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	CAL	22611AJ49F	P1160, P2097, Surge on downhill, <Service Campaign WVH-18 WVI-19> (Release month: June, 2009)	None
ECM	2005	Legacy	2.5L	Turbo	MT	FED, CAL	UD-S222B	P1160, P2097, Surge during moderate acceleration, Cruise control intermittently shuts off	None
ECM	2005	Legacy	2.5L	Turbo	AT	FED, CAL	UD-S213A	P1160, P2097, Surge during moderate acceleration	None
ECM	2005	Outback	2.5L	Turbo	MT	FED, CAL	UD-S222B	P1160, P2097, Surge during moderate acceleration, Cruise control intermittently shuts off	None
ECM	2005	Outback	2.5L	Turbo	AT	FED, CAL	UD-S213B	P1160, P2097, Surge during moderate acceleration	None
ECM	2006	Baja	2.5L	non-Turbo	MT, AT	FED, CAL	22611AL54C	P0137, P0139	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	FED	22611AK41D	High idling, P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	FED	22611AK41D	High idling, P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2006	Legacy	2.5L	non-Turbo	AT	FED	22611AK42D	P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	FED	22611AK42D	P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	CAL	22611AK43G	High idling, P0607, <WVM-23>, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	CAL	22611AK43G	High idling, P0607, <WVM-23>, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	CAL	22611AK44E	P0607, <WVM-23>, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	CAL	22611AK44E	P0607, <WVM-23>, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2007	Legacy	2.5L	Turbo	5MT	FED, CAL	22611AL80C	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Legacy	2.5L	Turbo	6MT	FED, CAL	22611AL81C	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Outback	2.5L	Turbo	MT	FED, CAL	22611AL80C	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Legacy	2.5L	Turbo	AT	FED, CAL	22611AL82B	VDC Warning Light erroneously illuminates	None
ECM	2007	Outback	2.5L	Turbo	AT	FED, CAL	22611AL82B	VDC Warning Light erroneously illuminates	None
ECM	2007	Legacy	2.5L	non-Turbo	AT	FED	22611AM37B	<Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	AT	FED	22611AM37B	<Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	FED	22611AM36B	<Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	FED	22611AM36B	<Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	AT	CAL	22611AM39C	<WVM-23>, <Service Campaign WVU-31> (Release month: April, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2007	Outback	2.5L	non-Turbo	AT	CAL	22611AM39C	<WVM-23>, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	CAL	22611AM38C	<WVM-23>, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	CAL	22611AM38C	<WVM-23>, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2008	Legacy	2.5L	Turbo	5MT	FED, CAL	22611AM96B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Outback	2.5L	Turbo	MT	FED, CAL	22611AM96B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008, 2009	Legacy	2.5L	Turbo	6MT	FED, CAL	22611AM97B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008, 2009	Legacy	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31>, <Service Campaign WVM-23> (Release month: June, 2011)	None
ECM	2008, 2009	Outback	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31>, <Service Campaign WVM-23> (Release month: June, 2011)	None
ECM	2008, 2009	Legacy	2.5L	non-Turbo	MT	CAL	22611AN01E	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVM-23> <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008, 2009	Outback	2.5L	non-Turbo	MT	CAL	22611AN01E	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVM-23> <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008, 2009	Legacy	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008, 2009	Outback	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2008, 2009	Legacy	2.5L	non-Turbo	MT	FED	22611AM99D	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008, 2009	Outback	2.5L	non-Turbo	MT	FED	22611AM99D	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2010	Legacy	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp, <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition, Extended cranking times in winter temperature (Release Month: November, 2012)	None
ECM	2010	Outback	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp, <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition, Extended cranking times in winter temperature (Release Month: November, 2012)	None
ECM	2010	Outback	2.5L	non-Turbo	MT	CAL	22765AB06B	Engine rpm drops below idle speed when clutch pedal depressed, <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Legacy	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp, <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition, Extended cranking times in winter temperature (Release Month: November, 2012)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2010	Outback	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp, <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition, Extended cranking times in winter temperature (Release Month: November, 2012)	None
ECM	2010	Legacy	2.5L	non-Turbo	MT	FED, CAL	22765AB08B	Engine rpm drops below idle speed when clutch pedal depressed, <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Outback	2.5L	non-Turbo	MT	FED	22765AB08B	Engine rpm drops below idle speed when clutch pedal depressed, <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Outback	3.6L	non-Turbo	AT	CAL	22765AA05B	Delay of acceleration feeling after depressing gas pedal (Release month: November, 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	FED	22765AA06B	Delay of acceleration feeling after depressing gas pedal (Release month: November, 2009)	None
ECM	2010	Outback	3.6L	non-Turbo	AT	FED	22765AA06B	Delay of acceleration feeling after depressing gas pedal (Release month: November, 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	CAL	22765AA05B	Delay of acceleration feeling after depressing gas pedal (Release month: November, 2009)	None
ECM	2011	Outback	2.5L	non-Turbo	MT	CAL	22765AB06B	<Service Campaign WVT-30> Revise A/F sensor protection logic update, Engine rpm drops below idle speed when clutch pedal depressed (Release month: August, 2010)	None
ECM	2011	Legacy	2.5L	non-Turbo	MT	FED, CAL	22765AB08B	<Service Campaign WVT-30> Revise A/F sensor protection logic update, Engine rpm drops below idle speed when clutch pedal depressed (Release month: August, 2010)	None

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ECM	2011	Outback	2.5L	non-Turbo	MT	FED	22765AB08B	<Service Campaign WVT-30> Revise A/F sensor protection logic update, Engine rpm drops below idle speed when clutch pedal depressed (Release month: August, 2010)	None
ECM	2011	Legacy	2.5L	Turbo	MT	FED, CAL	22765AB11B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Outback	2.5L	Turbo	MT	FED, CAL	22765AB11B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp, Engine rpm drops when low vehicle speed with AC on condition, <Service Campaign WVT-30> Revise A/F sensor protection logic update (Release Month: October, 2012)	None
ECM	2011	Outback	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp, Engine rpm drops when low vehicle speed with AC on condition, <Service Campaign WVT-30> Revise A/F sensor protection logic update (Release Month: October, 2012)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp, Engine rpm drops when low vehicle speed with AC on condition, <Service Campaign WVT-30> Revise A/F sensor protection logic update (Release Month: October, 2012)	None
ECM	2011	Outback	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp, Engine rpm drops when low vehicle speed with AC on condition, <Service Campaign WVT-30> Revise A/F sensor protection logic update (Release Month: October, 2012)	None
ECM	2011	Legacy	2.5L	Turbo	MT	FED, CAL	22765AC96D	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128 (Release Month: October, 2013)	None

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ECM	2011	Outback	2.5L	non-Turbo	MT	CAL	22765AC92E	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Program module unification for engine speed stability (Release Month: October, 2013)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	CAL	22765AC93E	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp, Engine speed stability, P050A, Engine rpm drops when low vehicle speed with AC on (Release Month: October, 2012)	None
ECM	2011	Outback	2.5L	non-Turbo	CVT	CAL	22765AC93E	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp, Engine speed stability, P050A, Engine rpm drops when low vehicle speed with AC on (Release Month: October, 2012)	None
ECM	2011	Legacy	2.5L	non-Turbo	MT	FED, CAL	22765AC94E	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, Program module unification for engine speed stability (Release Month: October, 2013)	None
ECM	2011	Outback	2.5L	non-Turbo	MT	FED	22765AC94E	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, Program module unification for engine speed stability (Release Month: October, 2013)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	FED	22765AC95D	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, Engine rpm drops and rough idle at higher temp, Engine speed stability, P050A, Engine rpm drops when low vehicle speed with AC on (Release Month: October, 2012)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2011	Outback	2.5L	non-Turbo	CVT	FED	22765AC95D	OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, Engine rpm drops and rough idle at higher temp, Engine speed stability, P050A, Engine rpm drops when low vehicle speed with AC on (Release Month: October, 2012)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	22765AB12B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	22765AB12B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	FED	22765AB13B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	22765AB13B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	FED	22765AC98C	OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October, 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	22765AC98C	OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October, 2012)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October, 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October, 2012)	None
ECM	2012	Outback	2.5L	non-Turbo	MT	CAL	22765AC65E	P050A, OBDI I Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456 (Release Month: October, 2013)	None

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ECM	2012	Legacy	2.5L	non-Turbo	CVT	CAL	22765AC66C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp (Release Month: October, 2012)	None
ECM	2012	Outback	2.5L	non-Turbo	CVT	CAL	22765AC66C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp (Release Month: October, 2012)	None
ECM	2012	Legacy	2.5L	non-Turbo	MT	FED, CAL	22765AD31D	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456 (Release Month: October, 2013)	None
ECM	2012	Outback	2.5L	non-Turbo	MT	FED	22765AD31D	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456 (Release Month: October, 2013)	None
ECM	2012	Legacy	2.5L	non-Turbo	CVT	FED	22765AC67C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp (Release Month: October, 2012)	None
ECM	2012	Outback	2.5L	non-Turbo	CVT	FED	22765AC67C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, Engine rpm drops and rough idle at higher temp (Release Month: October, 2012)	None
ECM	2012	Legacy	2.5L	Turbo	MT	FED, CAL	22765AD30C	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456 (Release Month: October, 2013)	None
ECM	2012	Legacy	3.6L	non-Turbo	AT	CAL	22765AC68C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0456 (Release Month: November, 2012)	None

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ECM	2012	Outback	3.6L	non-Turbo	AT	CAL	22765AC68C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0456 (Release Month: November, 2012)	None
ECM	2012	Legacy	3.6L	non-Turbo	AT	FED	22765AC69C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0456 (Release Month: November, 2012)	None
ECM	2012	Outback	3.6L	non-Turbo	AT	FED	22765AC69C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0456 (Release Month: November, 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	CAL	22765AD09B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	CAL	22765AD90B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	FED	22765AD10B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	FED	22765AD91B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	CAL	22765AD09B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	CAL	22765AD90B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	FED	22765AD10B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	FED	22765AD91B	P0341, P0346 (Release Month: July 2012)	None
ECM	2013, 2014	Legacy	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None

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ECM	2013, 2014	Legacy	2.5L	non-Turbo	MT	FED, CAL	22765AE05G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013, 2014	Legacy	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013, 2014	Outback	2.5L	non-Turbo	MT	CAL	22765AE04G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013, 2014	Outback	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013, 2014	Outback	2.5L	non-Turbo	MT	FED	22765AE05G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013, 2014	Outback	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock, Surge improvement, Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2015	Legacy	2.5L	non-Turbo	MT	FED	22765AF34C	P0137, idle drop during hot start , Extended engine cranking (Release Month: July, 2015)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2015	Outback	2.5L	non-Turbo	MT	FED	22765AF34C	P0137, idle drop during hot start , Extended engine cranking (Release Month: July, 2015)	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	FED	22765AF35D	P0137, idle drop during hot start , Improve the accuracy of oil level detection, Extended engine cranking (Release Month: July, 2015)	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	FED	22765AF35D	P0137, idle drop during hot start , Improve the accuracy of oil level detection, Extended engine cranking (Release Month: July, 2015)	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AF36D	P0137, idle drop during hot start , Improve the accuracy of oil level detection, Extended engine cranking (Release Month: July, 2015)	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK16B	P0137, idle drop during hot start (Release Month: July, 2015)	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AF36D	P0137, idle drop during hot start , Improve the accuracy of oil level detection, Extended engine cranking (Release Month: July, 2015)	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AK16B	P0137, idle drop during hot start (Release Month: July, 2015)	None
ECM	2015	Legacy	3.6L	non-Turbo	CVT	FED, CAL	22765AF45C	P0137, idle drop when selecting R to D, P000A, P000C, (Release Month: July, 2015)	None
ECM	2015	Outback	3.6L	non-Turbo	CVT	FED, CAL	22765AF45C	P0137, idle drop when selecting R to D, P000A, P000C, (Release Month: July, 2015)	None
ECM	2006	Tribeca	3.0L	non-Turbo	AT	FED, CAL	22611AK12B	P0607 (Throttle control system)	None
ECM	2008	Tribeca	3.6L	non-Turbo	AT	FED, CAL	22611AN03C	ECU logic change due to cylinder block modification	None
ECM	2011	Tribeca	3.6L	non-Turbo	AT	FED, CAL	22765AB32D	OBDI Thermosstat Monitoring <Service Campaign WQC-39 for CAL states>, P0128 (Release Month: October, 2012)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2012	Tribeca	3.6L	non-Turbo	AT	FED, CAL	22765AD47C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0456 (Release Month: November, 2012)	None
ECM	2003	Impreza	2.5L	non-Turbo	MT, AT	FED, CAL	UD-S205C	Hesitation(Step1), P0172, Hesitation(Step2), P030X, Hard start with open throttle, P0172	E/G-2
ECM	2004	Impreza	2.0L	Turbo	MT	FED, CAL	UD-S217	P030X(Step1), P030X(Step2), P0139, Spark Knock	E/G-2
ECM	2004	Impreza	2.0L	Turbo	AT	FED, CAL	UD-S217	P0139, Spark Knock	E/G-2
ECM	2004	Impreza	2.5L	Turbo	MT	FED, CAL	UD-S202	Pinging, P0139	None
ECM	2004	Impreza	2.5L	non-Turbo	MT, AT	FED, CAL	22611AH525	P0172, Hard start with open throttle, P2097, P0139	None
ECM	2005	Impreza	2.5L	non-Turbo	AT	FED, CAL	UD-S215B	P1160, P2097	None
ECM	2005	Impreza	2.5L	non-Turbo	MT	FED, CAL	UD-S215B	P1160, P2097	None
ECM	2005	Impreza	2.0L	Turbo	MT	FED, CAL	UD-S217	Spark Knock at around 5000rpm on full throttle acceleration	E/G-2
ECM	2005	Impreza	2.0L	Turbo	AT	FED, CAL	UD-S217	Spark Knock at around 5000rpm on full throttle acceleration	E/G-2
ECM	2006	Impreza	2.5L	non-Turbo	AT	FED, CAL	22611AL213	P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Impreza	2.5L	non-Turbo	MT	FED, CAL	22611AM442	High idling, P0607, ETC coasting surge, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Impreza	2.5L	Turbo	MT	FED, CAL	UD-S221C	P0607 (Throttle control system)	None
ECM	2006	Impreza	2.5L	Turbo	MT	FED, CAL	22611AL352	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2006	Impreza	2.5L	Turbo	AT	FED, CAL	22611AL361	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	non-Turbo	MT	FED, CAL	22611AM442	ETC coasting surge, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Impreza	2.5L	non-Turbo	AT	FED, CAL	22611AM451	<Service Campaign WVU-31> (Release month: April, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2007	Impreza	2.5L	Turbo	MT	FED, CAL	22611AM421	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	Turbo	AT	FED, CAL	22611AM431	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	Turbo	6MT	FED, CAL	22611AM412	Enhanced exhaust temperature control to optimize catalytic convertor life, Surge on acceleration between 3000 and 4000 rpm (Release Month: January, 2012)	None
ECM	2008	Impreza	2.5L	Turbo	MT	FED, CAL	22611AN351	To prevent the abnormal combustion during fuel cut and recovery condition by rev. limiter (WVE-15)	None
ECM	2008, 2009	Impreza	2.5L	non-Turbo	AT	FED, CAL	22611AM702	<Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2008, 2009	Impreza	2.5L	non-Turbo	MT	FED, CAL	22611AM692	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2009	Impreza	2.5L	Turbo	5MT	FED, CAL	22611AP391	Engine Speed rises when clutch pedal is depressed at very low speeds or coming to a stop. (Release Month: January, 2012)	None
ECM	2010	Impreza	2.5L	non-Turbo	AT	FED, CAL	22765AA792	<Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Impreza	2.5L	non-Turbo	MT	FED, CAL	22765AA782	<Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AA821	Engine Speed rises when clutch pedal is depressed at very low speeds or coming to a stop. (Release Month: January, 2012)	None
ECM	2011	Impreza	2.5L	non-Turbo	MT	FED, CAL	22765AB011	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Impreza	2.5L	non-Turbo	AT	FED, CAL	22765AB021	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2011	Impreza	2.5L	non-Turbo	AT	FED, CAL	22765AD012	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P050A (Release Month: November, 2012)	None
ECM	2011	Impreza	2.5L	non-Turbo	MT	FED, CAL	22765AD003	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128 (Release Month: October, 2013)	None
ECM	2011	Impreza	2.5L	Turbo	6MT	FED, CAL	22765AB211	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release month: August, 2010)	None
ECM	2011	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AB201	<Service Campaign WVT-30> Revise A/F sensor protection logic update, Engine rpm delay in lowering when clutch pedal depressed (Release month: August, 2010)	None
ECM	2011	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AD023	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P050A (Release Month: November, 2012)	None
ECM	2011	Impreza	2.5L	Turbo	6MT	FED, CAL	22765AD033	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P050A (Release Month: November, 2012)	None
ECM	2012	Impreza	2.0L	non-Turbo	CVT	CAL	22765AC426	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, (Release Month: April, 2015)	None
ECM	2012	Impreza	2.0L	non-Turbo	CVT	FED	22765AC386	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, (Release Month: April, 2015)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2012	Impreza	2.0L	non-Turbo	MT	CAL	22765AC407	Extended engine cranking, Improve the accuracy of oil level detection, P050A, P0017, P0019, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: Aprl, 2015)	None
ECM	2012	Impreza	2.0L	non-Turbo	MT	FED	22765AC367	Extended engine cranking, Improve the accuracy of oil level detection, P050A, P0017, P0019, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: Aprl, 2015)	None
ECM	2012	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AC733	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P050A (Release Month: November, 2012)	None
ECM	2012	Impreza	2.5L	Turbo	6MT	FED, CAL	22765AC743	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P050A (Release Month: November, 2012)	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	FED	22765AE744	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: July, 2015)	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	CAL	22765AE764	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: July, 2015)	None
ECM	2013	Impreza	2.0L	non-Turbo	MT	FED	22765AE733	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: October, 2014)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2013	Impreza	2.0L	non-Turbo	MT	CAL	22765AE753	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: October, 2014)	None
ECM	2013	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AF172	P0341, P0346 at high engine rpm (Release Month: January, 2014)	None
ECM	2013	Impreza	2.5L	Turbo	6MT	FED, CAL	22765AF182	P0341, P0346 at high engine rpm (Release Month: January, 2014)	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	FED	22765AG002	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	CAL	22765AG022	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	Impreza	2.5L	Turbo	5MT	FED, CAL	22765AF741	P0341, P0346 at high engine rpm (Release Month: January, 2014)	None
ECM	2014	Impreza	2.5L	Turbo	6MT	FED, CAL	22765AF751	P0341, P0346 at high engine rpm (Release Month: January, 2014)	None
ECM	2014	Impreza	2.0L	non-Turbo	CVT	FED	22765AG012	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	Impreza	2.0L	non-Turbo	CVT	CAL	22765AG032	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2015	Impreza	2.0L	non-Turbo	MT	CAL	22765AH181	Extended engine cranking (Release Month: November, 2014)	None
ECM	2015	Impreza	2.0L	non-Turbo	CVT	CAL	22765AH191	Extended engine cranking (Release Month: November, 2014)	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	CVT	FED	22765AE854	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: July, 2015)	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AE874	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: July, 2015)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2013	XV Crosstrek	2.0L	non-Turbo	MT	FED	22765AE843	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: October, 2014)	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AE863	Extended engine cranking, Improve the accuracy of oil level detection, P0017, P0019 (Release Month: October, 2014)	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	CVT	FED	22765AG092	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AG112	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	MT	FED	22765AG082	Extended engine cranking, Improve the accuracy of oil level detection (Release Month: April, 2015)	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AG102	Improve the accuracy of oil level detection (Release Month: October, 2014)	None
ECM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	22765AE632	Improve the accuracy of oil level detection (Release Month: October, 2014)	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AH481	Extended engine cranking (Release Month: November, 2014)	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AH491	Extended engine cranking (Release Month: November, 2014)	None
ECM	2015	WRX	2.0L	Turbo	MT	FED, CAL	22765AG235	<Service Campaign WQW-58>, P0300, Improvement of knock control, P0420, P2610, P0134, P0606 (Release Month: Jan, 2016)	None
ECM	2015	WRX	2.0L	Turbo	CVT	FED, CAL	22765AG245	<Service Campaign WQW-58>, P0300, Improvement of knock control, P0420, P2610, P0134, P0606 (Release Month: Jan, 2016)	None
ECM	2015	WRX	2.5L	Turbo	6MT	FED, CAL	22765AF581	Loss of boost at high ambient temperature (Release month: Apr, 2016)	None
ECM	2016	WRX	2.5L	Turbo	6MT	FED, CAL	22765AH602	Misfire reduction at extreme low fuel levels, Idle drop, Loss of boost at high ambient temperature (Release month: Apr, 2016)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Necesary connector
ECM	2004	Forester	2.5L	non-Turbo	MT, AT	FED, CAL	22611AJ012	P0172, P0139	None
ECM	2004	Forester	2.5L	Turbo	AT	FED, CAL	UD-S211A	Rough idle after cold soak in high altitude area	None
ECM	2004	Forester	2.5L	Turbo	MT	FED, CAL	UD-S222C	Rough idle after cold soak in high altitude area, Cruise control intermittently shuts off	None
ECM	2005	Forester	2.5L	non-Turbo	MT	FED, CAL	UD-S215A	P1160, P2097	None
ECM	2005	Forester	2.5L	non-Turbo	AT	FED, CAL	UD-S215A	P1160, P2097	None
ECM	2005	Forester	2.5L	Turbo	AT	FED, CAL	UD-S211B	Rough idle after cold soak in high altitude area, P1160	None
ECM	2005	Forester	2.5L	Turbo	AT	FED, CAL	UD-S211B	Rough idle after cold soak in high altitude area	None
ECM	2005	Forester	2.5L	Turbo	MT	FED, CAL	UD-S211B	Rough idle after cold soak in high altitude area, P1160	None
ECM	2005	Forester	2.5L	Turbo	MT	FED, CAL	UD-S211B	Rough idle after cold soak in high altitude area, P1160	None
ECM	2006	Forester	2.5L	non-Turbo	AT	FED, CAL	22611AK743	P2097, Hesitation, P0607, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Forester	2.5L	non-Turbo	MT	FED, CAL	22611AK734	P2097, Hesitation, High idling, P0607, ETC coasting surge, <Service Campaign WVU-31> (Release month: March, 2011)	None
ECM	2006	Forester	2.5L	Turbo	MT	FED, CAL	UD-S221C	P0607 (Throttle control system)	None
ECM	2007	Forester	2.5L	non-Turbo	AT	CAL	22611AM324	<WVM-23, WVN-24>, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007	Forester	2.5L	non-Turbo	MT	CAL	22611AM314	<WVM-23, WVN-24>, <Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007, 2008	Forester	2.5L	non-Turbo	AT	FED	22611AM302	<Service Campaign WVU-31> (Release month: April, 2011)	None
ECM	2007, 2008	Forester	2.5L	non-Turbo	MT	FED	22611AP181	ETC coasting surge, <Service Campaign WVU-31> (Release month: April, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2008	Forester	2.5L	non-Turbo	AT	CAL	22611AN085	<Service Campaign WVM-23 & WVN-24>, <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CAL	22611AN074	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVM-23 & WVN-24>, <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	AT	CANADA	22611AN061	<Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CANADA	22611AP191	ETC coasting surge at very slight throttle, <Service Campaign WVU-31> (Release month: June, 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	AT	CAL	22611AN453	<WVM-23 & WVN-24> <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	MT	CAL	22611AN443	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <WVM-23 & WVN-24> <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	AT	FED	22611AN432	<Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	MT	FED	22611AN422	Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving, <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	AT	CAL	22765AA362	<WVM-23 & WVN-24> <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	MT	CAL	22765AA352	<WVM-23 & WVN-24> <Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	AT	FED	22765AA342	<Service Campaign WVU-31> (Release month: May, 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	MT	FED	22765AA332	<Service Campaign WVU-31> (Release month: May, 2011)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2011	Forester	2.5L	Turbo	AT	FED, CAL	22765AB285	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: October, 2013)	None
ECM	2011	Forester	2.5L	non-Turbo	AT	CAL	22765AB408	Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P0108, P050A, P2610 Program module unification for engine speed stability (Release Month: January 2015)	None
ECM	2011	Forester	2.5L	non-Turbo	MT	CAL	22765AB418	P050A, Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P0108, P2610 Program module unification for engine speed stability (Release Month: October, 2013)	None
ECM	2011	Forester	2.5L	non-Turbo	AT	FED	22765AB428	Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P0108, P050A, P2610 Program module unification for engine speed stability (Release Month: January 2015)	None
ECM	2011	Forester	2.5L	non-Turbo	MT	FED	22765AB438	P050A, Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection>, P0108, P2610 Program module unification for engine speed stability (Release Month: October, 2013)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2012	Forester	2.5L	non-Turbo	AT	CAL	22765AD395	Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: January 2015)	None
ECM	2012	Forester	2.5L	non-Turbo	MT	CAL	22765AD405	P050A, Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: October, 2013)	None
ECM	2012	Forester	2.5L	non-Turbo	AT	FED	22765AD414	Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: January 2015)	None
ECM	2012	Forester	2.5L	non-Turbo	MT	FED	22765AD424	P050A, Extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P030* <misfire detection> (Release Month: October, 2013)	None
ECM	2012	Forester	2.5L	Turbo	AT	FED, CAL	22765AD443	P050A, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0128, P0456, P030* <misfire detection> (Release Month: October, 2013)	None
ECM	2013	Forester	2.5L	non-Turbo	AT	CAL	22765AE572	Extended engine cranking (Release Month: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	MT	CAL	22765AE582	Extended engine cranking (Release Month: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	AT	FED	22765AE592	Extended engine cranking (Release Month: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	MT	FED	22765AE602	Extended engine cranking (Release Month: November 2014)	None
ECM	2013	Forester	2.5L	Turbo	AT	FED, CAL	22765AE562	P0341, P0346 at high engine rpm, P050A (Release Month: January, 2014)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2014	Forester	2.5L	non-Turbo	MT	FED	22765AE193	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	FED	22765AE203	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2014	Forester	2.5L	non-Turbo	MT	CAL	22765AE213	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	CAL	22765AE223	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2014	Forester	2.0L	Turbo	CVT	FED, CAL	22611AW068	<Service Campaign WQW-58> ,Improvement of knock control, P0300, P0420, Extended engine cranking, P0606, Enhancement of cruise control to improve set speed stability when operating vehicle on mountainous roads, P0244 (Release Month: Jan, 2016)	None
ECM	2015	Forester	2.0L	Turbo	CVT	FED, CAL	22765AG974	<Service Campaign WQW-58>, Improvement of knock control, P0300, P0420, P0606 (Release Month: Jan, 2016)	None
ECM	2015	Forester	2.5L	non-Turbo	MT	FED	22765AG723	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2015	Forester	2.5L	non-Turbo	CVT	FED	22765AG733	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
ECM	2015	Forester	2.5L	non-Turbo	MT	CAL	22765AG743	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2015	Forester	2.5L	non-Turbo	CVT	CAL	22765AG753	Extended engine cranking, Improve the accuracy of oil level detection, Spark knock occurring in high altitude areas (Release Month: April, 2015)	None
ECM	2013	BRZ	2.0L	non-Turbo	AT	FED, CAL	22765AG501	Improve idle stability following AC compressor off and extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0017, P0019, P1235 (Release Month: January, 2014)	None
ECM	2013	BRZ	2.0L	non-Turbo	MT	FED, CAL	22765AG511	Improve idle stability following AC compressor off and extended engine cranking, OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states>, P0017, P0019, P1235 (Release Month: January, 2014)	None
ECM	2014	BRZ	2.0L	non-Turbo	AT	FED, CAL	22765AG501	Improve idle stability following AC compressor off and extended engine cranking (Release Month: January, 2014)	None
ECM	2014	BRZ	2.0L	non-Turbo	MT	FED, CAL	22765AG511	Improve idle stability following AC compressor off and extended engine cranking (Release Month: January, 2014)	None
TCM	2005	Legacy	2.5L	non-Turbo	AT	FED	31711AG831	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None
TCM	2005	Outback	2.5L	non-Turbo	AT	FED	31711AG851	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None
TCM	2005	Legacy	2.5L	non-Turbo	AT	CAL	31711AG861	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
TCM	2005	Outback	2.5L	non-Turbo	AT	CAL	31711AG881	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None
TCM	2005	Legacy	2.5L	Turbo	AT	FED, CAL	UD-S209	P1799, P0771	None
TCM	2005	Outback	2.5L	Turbo	AT	FED, CAL	UD-S209	P1799, P0771	None
TCM	2005	Outback	3.0L	non-Turbo	AT	FED, CAL	UD-S209	P1799, P0771, "Auto Up-shift" control in Manual mode	None
TCM	2008, 2009	Legacy	2.5L	Turbo	AT	FED, CAL	30919AA525	Various automatic transmission P codes, Improve judgment criteria for oil pressure SW, Shift shock on 2nd to 3rd and 3rd to 2nd (Release month: September, 2009)	None
TCM	2008, 2009	Outback	2.5L	Turbo	AT	FED, CAL	30919AA535	Various automatic transmission P codes, Improve judgment criteria for oil pressure SW, Shift shock on 2nd to 3rd and 3rd to 2nd (Release month: September, 2009)	None
TCM	2008, 2009	Legacy	3.0L	non-Turbo	AT	FED, CAL	30919AA555	Various automatic transmission P codes, Improve judgment criteria for oil pressure SW, Shift shock on 2nd to 3rd and 3rd to 2nd (Release month: September, 2009)	None
TCM	2008, 2009	Outback	3.0L	non-Turbo	AT	FED, CAL	30919AA545	Various automatic transmission P codes, Improve judgment criteria for oil pressure SW, Shift shock on 2nd to 3rd and 3rd to 2nd (Release month: September, 2009)	None
TCM	2010	Legacy	2.5L	non-Turbo	CVT	FED, CAL	30919AB014	To maintain manual mode engine braking on long downhill grade, Lack of power in reverse on incline, Improved oil pressure control (Release month: Apr, 2016)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
TCM	2010	Outback	2.5L	non-Turbo	CVT	FED, CAL	30919AB024	To maintain manual mode engine braking on long downhill grade, Lack of power in reverse on incline, Improved oil pressure control (Release month: Apr, 2016)	None
TCM	2011	Legacy	2.5L	non-Turbo	CVT	FED, CAL	30919AB673	To maintain manual mode engine braking on long downhill grade, Improved oil pressure control (Release month: Apr, 2016)	None
TCM	2011	Outback	2.5L	non-Turbo	CVT	FED, CAL	30919AB683	To maintain manual mode engine braking on long downhill grade (Release month: Apr, 2016)	None
TCM	2012	Legacy	2.5L	non-Turbo	CVT	FED, CAL	30919AC321	Improved oil pressure control (Release month: Jan, 2015)	None
TCM	2012	Outback	2.5L	non-Turbo	CVT	FED, CAL	30919AC331	Improved oil pressure control (Release month: Jan, 2015)	None
TCM	2010, 2011, 2012, 2013	Legacy	3.6L	non-Turbo	AT	FED, CAL	30919AA074	Improvement of AT oil pressure diagnosis as relates to shift solenoid or pressure sensor switch codes, 3-2 shift shock on accel following almost stop, Various automatic transmission P codes (Release month: November, 2012)	None
TCM	2010, 2011, 2012, 2013	Outback	3.6L	non-Turbo	AT	FED, CAL	30919AA084	Improvement of AT oil pressure diagnosis as relates to shift solenoid or pressure sensor switch codes, 3-2 shift shock on accel following almost stop, Various automatic transmission P codes (Release month: November, 2012)	None
TCM	2015	Legacy	2.5L	non-Turbo	CVT	FED, CAL	30919AD322	Engine rpm flare and cruise cancel on uphill grade (Release month: Jan, 2016)	None
TCM	2015	Outback	2.5L	non-Turbo	CVT	FED, CAL	30919AD332	Engine rpm flare and cruise cancel on uphill grade (Release month: Jan, 2016)	None
TCM	2016	Legacy	2.5L	non-Turbo	CVT	FED, CAL	30919AF031	Engine rpm flare and cruise cancel on uphill grade (Release month: Jan, 2016)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
TCM	2016	Outback	2.5L	non-Turbo	CVT	FED, CAL	30919AF041	Engine rpm flare and cruise cancel on uphill grade (Release month: Jan, 2016)	None
TCM	2006	Tribeca	3.0L	non-Turbo	AT	FED, CAL	UD-S223A	Upshift shock, 1 to 2 and 2 to 3, when engine is cold	None
TCM	2006	Tribeca	3.0L	non-Turbo	AT	FED, CAL	UD-S223A	Upshift shock, 1 to 2 and 2 to 3, when engine is cold	None
TCM	2007	Tribeca	3.0L	non-Turbo	AT	FED, CAL	UD-S223B	Upshift shock, 1 to 2 and 2 to 3, when engine is cold	None
TCM	2008, 2009	Tribeca	3.6L	non-Turbo	AT	FED, CAL	30919AA735	Various automatic transmission P codes, Improve judgment criteria for oil pressure SW, Shift shock on 2nd to 3rd and 3rd to 2nd (Release month: September, 2009)	None
TCM	2010, 2011, 2012, 2013	Tribeca	3.6L	non-Turbo	AT	FED, CAL	30919AB193	Improvement of AT oil pressure diagnosis as relates to shift solenoid or pressure sensor switch codes, Various automatic transmission P codes (Release month: November, 2012)	None
TCM	2005	Impreza	2.5L	non-Turbo	AT	FED, CAL	31711AJ521	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None
TCM	2012	Impreza	2.0L	non-Turbo	CVT	FED, CAL	30919AC092	P2746, P2750, P1724, Feeling of reducing acceleration with steady light throttle applied following stop (Release Month : July 2012)	None
TCM	2012	Impreza	2.0L	non-Turbo	CVT	FED, CAL	30919AC102	P2746, P2750, P1724, Feeling of reducing acceleration with steady light throttle applied following stop (Release Month : July 2012)	None
TCM	2015	WRX	2.0L	Turbo	CVT	FED, CAL	30919AD792	Erratic shifting/slipping of the CVT under moderate acceleration when cold (Release Month: Jan, 2016)	None
TCM	2016	WRX	2.0L	Turbo	CVT	FED, CAL	30919AE551	Erratic shifting/slipping of the CVT under moderate acceleration when cold (Release Month: Jan, 2016)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
TCM	2005	Forester	2.5L	non-Turbo	AT	FED, CAL	31711AJ361	Downshift shock 4 to 3 and 3 to 2 when engine is cold. Applicable when ATF temperature is 20 degree C (68 degree F) or below.	None
TCM	2011	Forester	2.5L	non-Turbo	AT	FED, CAL	30919AB431	Downshift shock 3 to 2 and Upshift shock 1 to 2 (Release month: January, 2011)	None
TCM	2011	Forester	2.5L	Turbo	AT	FED, CAL	30919AB891	Downshift shock 3 to 2 and Upshift shock 1 to 2 (Release month: January, 2011)	None
TCM	2015	BRZ	2.0L	non-Turbo	AT	FED, CAL	30919JB111	Idle fluctuation in P and N range (Release Month: Jul, 2015)	None
TCM	2016	BRZ	2.0L	non-Turbo	AT	FED, CAL	30919JB111	Idle fluctuation in P and N range (Release Month: Jul, 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA251-1	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA251-1	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA251-2	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA251-2	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA261-1	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA261-1	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA261-2	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA261-2	To add Keyless Buzzer Vol. Adjustment (Release month: October, 2015)	None
CAMERA	2015	Legacy	2.5L	non-Turbo	-	-	87501AL003	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2015	Legacy	3.6L	non-Turbo	-	-	87501AL003	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2015	Outback	2.5L	non-Turbo	-	-	87501AL003	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2015	Outback	3.6L	non-Turbo	-	-	87501AL003	<Service Campaign WQS-54> (Release month: June, 2015)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
CAMERA	2015	Impreza	2.0L	non-Turbo	-	-	87501FJ032	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2015	XV Crosstrek	2.0L	non-Turbo	-	-	29071AA005	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2016	WRX	2.0L	Turbo	-	-	87501VA012	<Service Campaign WQS-54> (Release month: June, 2015)	None
CAMERA	2016	WRX	2.0L	Turbo	-	-			None
CAMERA	2016	WRX	2.0L	Turbo	-	-	87501VA013	Eyesight camera to allow registration after camera initialization process (Release month: October, 2015)	None
DMCM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	29071AA005	P0604, P0A78, U0110, P0CDD, P0A3F (Release Month: Jan, 2016)	None
DMCM	2015, 2016	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	29071AA011	P0604 (Release Month: Jan, 2016)	None
EPB	2010	Legacy	2.5L	non-Turbo	MT, CVT	FED, CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release month: September, 2009)	None
EPB	2010	Legacy	2.5L	Turbo	MT	FED, CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release month: September, 2009)	None
EPB	2010	Legacy	3.6L	non-Turbo	AT	FED, CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release month: September, 2009)	None
EPB	2010	Outback	2.5L	non-Turbo	MT, CVT	FED, CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release month: September, 2009)	None
EPB	2010	Outback	3.6L	non-Turbo	AT	FED, CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release month: September, 2009)	None
DCM	2016	Legacy	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Legacy	3.6L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Outback	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Outback	3.6L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Forester	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Forester	2.0L	Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	Impreza	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	ProblemFixedHistory	Neccesary connector
DCM	2016	XV Crosstrek	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
DCM	2016	XV Hybrid	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release month: Jan, 2016)	None
VDC	2015	Legacy	2.5L	non-Turbo	-	-	27596AL00C	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Legacy	3.6L	non-Turbo	-	-	27596AL00C	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Legacy	2.5L	non-Turbo	-	-	27596AL01B	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Legacy	3.6L	non-Turbo	-	-	27596AL01B	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Outback	2.5L	non-Turbo	-	-	27596AL00C	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Outback	3.6L	non-Turbo	-	-	27596AL00C	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Outback	2.5L	non-Turbo	-	-	27596AL01B	<Service Campaign WTB-63> (Release month: Apr, 2016)	None
VDC	2015	Outback	3.6L	non-Turbo	-	-	27596AL01B	<Service Campaign WTB-63> (Release month: Apr, 2016)	None