

Reprogramming J-2534 Files

October 2019 Version

Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	22611BC090	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	22611BC080	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	22611BC05A	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	22611BC04A	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	22611BC070	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	22611BC060	<Service Campaign WQD-40 only>	None
ECM	2003	Legacy	2.5L	non-Turbo	MT AT	FED CAL	UD-S205C	P0172 Hard start with open throttle Hesitation P030X P0172	None
ECM	2003	Outback	2.5L	non-Turbo	MT AT	FED CAL	UD-S205C	P0172 Hard start with open throttle Hesitation P030X P0172	None
ECM	2003	Baja	2.5L	non-Turbo	MT AT	FED CAL	UD-S205C	P0172 Hard start with open throttle Hesitation P030X P0172	None
ECM	2004	Legacy	2.5L	non-Turbo	MT AT	FED	22611AJ19D	P0139 P0464 P0172	None
ECM	2004	Outback	2.5L	non-Turbo	MT AT	FED	22611AJ20D	P0139 P0464 P0172	None
ECM	2004	Baja	2.5L	non-Turbo	MT AT	FED	22611AJ20D	P0139 P0464 P0172	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 Rough idle after cold soak in high altitude area P1160	None
ECM	2005	Baja	2.5L	Turbo	AT	FED CAL	UD-S207	Stumble / Hesitation at low ambient temperature Rough idle after cold soak in high altitude area P1160	None
ECM	2005	Baja	2.5L	non-Turbo	MT AT	FED CAL	22611AJ99E	P0139 P0464	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	FED	UD-S222A	Cruise control switch shuts off Surge on downhill P2097 P1160	None
ECM	2005	Outback	2.5L	non-Turbo	MT	FED	UD-S222A	Cruise control switch shuts off Surge on downhill P2097 P1160	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	CAL	22611AH92G	<Service Campaign WVH-18 WVI-19> Cruise control switch shuts off Surge on downhill P1160 (Release month: June 2009)	None
ECM	2005	Outback	2.5L	non-Turbo	MT	CAL	22611AH92G	<Service Campaign WVH-18 WVI-19> Cruise control switch shuts off Surge on downhill P1160 (Release month: June 2009)	None
ECM	2005	Outback	2.5L	non-Turbo	AT	FED	UD-S218A	Surge on downhill while cruise control is operating P2097 P1160	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	FED	UD-S218A	Surge on downhill while cruise control is operating P2097 P1160	None
ECM	2005	Outback	2.5L	non-Turbo	AT	CAL	22611AH94F	<Service Campaign WVH-18 WVI-19> Surge on downhill P2097 P1160 (Release month: June 2009)	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	CAL	22611AJ49F	<Service Campaign WVH-18 WVI-19> Surge on downhill P2097 P1160 (Release month: June 2009)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2005	Legacy	2.5L	Turbo	MT	FED CAL	UD-S222B	Cruise control intermittently shuts off Surge during moderate acceleration P2097 P1160	None
ECM	2005	Legacy	2.5L	Turbo	AT	FED CAL	UD-S213A	P2097 Surge during moderate acceleration P1160	None
ECM	2005	Outback	2.5L	Turbo	MT	FED CAL	UD-S222B	'Cruise control intermittently shuts off P2097 Surge during moderate acceleration P1160	None
ECM	2005	Outback	2.5L	Turbo	AT	FED CAL	UD-S213B	P2097 Surge during moderate acceleration P1160	None
ECM	2006	Baja	2.5L	non-Turbo	MT AT	FED CAL	22611AL54C	P0139 P0137	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	FED	22611AK41D	<Service Campaign WVU-31> High idling P0607 (Release month: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	FED	22611AK41D	<Service Campaign WVU-31> High idling P0607 (Release month: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	FED	22611AK42D	<Service Campaign WVU-31> P0607 (Release month: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	FED	22611AK42D	<Service Campaign WVU-31> P0607 (Release month: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	CAL	22611AK43G	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release month: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	CAL	22611AK43G	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release month: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	CAL	22611AK44E	<Service Campaign WVU-31> <WVM-23> P0607 (Release month: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	CAL	22611AK44E	<Service Campaign WVU-31> <WVM-23> P0607 (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	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	<Service Campaign WVU-31> <WVM-23> (Release month: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	AT	CAL	22611AM39C	<Service Campaign WVU-31> <WVM-23> (Release month: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	CAL	22611AM38C	<Service Campaign WVU-31> <WVM-23> (Release month: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	CAL	22611AM38C	<Service Campaign WVU-31> <WVM-23> (Release month: April 2011)	None

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ECM	2008	Legacy	2.5L	Turbo	5MT	FED CAL	22611AM96B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Outback	2.5L	Turbo	5MT	FED CAL	22611AM96B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Legacy	2.5L	Turbo	6MT	FED CAL	22611AM97B	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Legacy	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release month: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release month: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release month: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release month: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	MT	CAL	22611AN01E	<Service Campaign WVM-23> <Service Campaign WVU-31> Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving (Release month: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	MT	CAL	22611AN01E	<Service Campaign WVM-23> <Service Campaign WVU-31> Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving (Release month: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	MT	CAL	22611AN01E	<Service Campaign WVM-23> <Service Campaign WVU-31> Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving (Release month: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	MT	CAL	22611AN01E	<Service Campaign WVM-23> <Service Campaign WVU-31> Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving (Release month: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release month: June 2011)	None
ECM	2008	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	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

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ECM	2008	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	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
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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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
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
ECM	2011	Outback	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
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

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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	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	22765AC98C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October 2012)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release Month: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDII 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 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	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	Legacy	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)		None
ECM	2014	Legacy	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)		None
ECM	2013	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AE05G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)		None
ECM	2014	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AE05G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)		None
ECM	2013	Legacy	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)		None
ECM	2014	Legacy	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) 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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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2013	Outback	2.5L	non-Turbo	MT	CAL	22765AE04G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2014	Outback	2.5L	non-Turbo	MT	CAL	22765AE04G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013	Outback	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2014	Outback	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013	Outback	2.5L	non-Turbo	MT	FED	22765AE05G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2014	Outback	2.5L	non-Turbo	MT	FED	22765AE05G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2013	Outback	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load (Release Month: October 2014)	None
ECM	2014	Outback	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) 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	CANADA	22765AF34F	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Extended engine cranking. (Release Month: Jan 2018)	None
ECM	2015	Outback	2.5L	non-Turbo	MT	CANADA	22765AF34F	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Extended engine cranking. (Release Month: Jan 2018)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2015	Legacy	2.5L	non-Turbo	CVT	FED	22765AF35G	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Improve the accuracy of oil level detection Extended engi	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	FED	22765AF35G	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Improve the accuracy of oil level detection Extended engi	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AF36G	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Improve the accuracy of oil level detection Extended engi	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AF36G	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start Improve the accuracy of oil level detection Extended engi	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK16E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start. (Release Month: Jan 2018)	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AK16E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P0137 idle drop during hot start. (Release Month: Jan 2018)	None
ECM	2016	Legacy	2.5L	non-Turbo	MT	CANADA	22765AJ13D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None
ECM	2016	Outback	2.5L	non-Turbo	MT	CANADA	22765AJ13D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None
ECM	2016	Legacy	2.5L	non-Turbo	CVT	CAL	22765AJ14D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2016	Outback	2.5L	non-Turbo	CVT	CAL	22765AJ14D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None
ECM	2016	Legacy	2.5L	non-Turbo	CVT	FED	22765AJ15D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None
ECM	2016	Outback	2.5L	non-Turbo	CVT	FED	22765AJ15D	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0. (Release Month: Jan 2018)	None
ECM	2017	Legacy	2.5L	non-Turbo	MT	CANADA	22765AK49E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2017	Outback	2.5L	non-Turbo	MT	CANADA	22765AK49E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2017	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK48E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2017	Outback	2.5L	non-Turbo	CVT	CAL	22765AK48E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2017	Legacy	2.5L	non-Turbo	CVT	FED	22765AK50E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2017	Outback	2.5L	non-Turbo	CVT	FED	22765AK50E	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. Enhanced charging logic for improved battery life P05A0 P013F. (Release Month: Jan 2018)	None
ECM	2018	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK85B	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. (Release Month: Jan 2018)	None
ECM	2018	Outback	2.5L	non-Turbo	CVT	CAL	22765AK85B	Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms. (Release Month: Jan 2018)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History			Necessary Connector
ECM	2015	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AF45D	Enhanced charging logic for improved battery life P0137 idle drop when selecting R to D P000A P000C (Release Month: July 2017)			None
ECM	2015	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AF45D	Enhanced charging logic for improved battery life P0137 idle drop when selecting R to D P000A P000C (Release Month: July 2017)			None
ECM	2006	Tribeca	3.0L	non-Turbo	AT	FED CAL	22611AK12B	P0607 (Throttle control system)			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
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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2008	Impreza	2.5L	non-Turbo	AT	FED CAL	22611AM702	<Service Campaign WVU-31> (Release month: May 2011)	None
ECM	2008	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	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
ECM	2011	Impreza	2.5L	non-Turbo	AT	FED CAL	22765AD012	OBDI 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 OBDI 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	OBDI 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	OBDI Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> P050A (Release Month: November 2012)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2012	Impreza	2.0L	non-Turbo	CVT	CAL	22765AC426	Extended engine cranking detection P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> (Release Month: April 2015) Improve the accuracy of oil level	None
ECM	2012	Impreza	2.0L	non-Turbo	CVT	FED	22765AC386	Extended engine cranking detection P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> (Release Month: April 2015) Improve the accuracy of oil level	None
ECM	2012	Impreza	2.0L	non-Turbo	MT	CAL	22765AC407	Extended engine cranking detection P050A P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> (Release Month: April 2015) Improve the accuracy of oil level	None
ECM	2012	Impreza	2.0L	non-Turbo	MT	FED	22765AC367	Extended engine cranking detection P050A P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> (Release Month: April 2015) Improve the accuracy of oil level	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) Improve the accuracy of oil level	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) Improve the accuracy of oil level	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	FED	22765AE744	Extended engine cranking detection P0017 P0019 (Release Month: July 2015) Improve the accuracy of oil level	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	CAL	22765AE764	Extended engine cranking detection P0017 P0019 (Release Month: July 2015) Improve the accuracy of oil level	None
ECM	2013	Impreza	2.0L	non-Turbo	MT	FED	22765AE733	Extended engine cranking detection P0017 P0019 (Release Month: October 2014) Improve the accuracy of oil level	None
ECM	2013	Impreza	2.0L	non-Turbo	MT	CAL	22765AE753	Extended engine cranking detection P0017 P0019 (Release Month: October 2014) Improve the accuracy of oil level	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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector	
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	22765AG013	1) Improve the accuracy of oil level detection 2) Extended engine cranking 3) P0300 at Cold Start (Rel. Month: July 2018)	None	
ECM	2014	Impreza	2.0L	non-Turbo	CVT	CAL	22765AG033	1) Improve the accuracy of oil level detection 2) Extended engine cranking 3) P0300 at Cold Start (Rel. Month: July 2018)	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	
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	22765AG093	1) Improve the accuracy of oil level detection 2) Extended engine cranking 3) P0300 at Cold Start (Rel. Month: July 2018)	None	
ECM	2014	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AG113	1) Improve the accuracy of oil level detection 2) Extended engine cranking 3) P0300 at Cold Start (Rel. Month: July 2018)	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	Extended engine cranking 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	

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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	22765AG238	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature P2270 <Service Campaign WQW-58> P0300 Improvement of knock control P0420 P2610 P0134 P0606 (Release Month: May 2017)	None
ECM	2015	WRX	2.0L	Turbo	CVT	FED CAL	22765AG248	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature P2270 <Service Campaign WQW-58> P0300 Improvement of knock control P0420 P2610 P0134 P0606 (Release Month: May 2017)	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
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	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	Forester	2.5L	non-Turbo	AT	FED	22611AM302	<Service Campaign WVU-31> (Release month: April 2011)	None
ECM	2007	Forester	2.5L	non-Turbo	MT	FED	22611AP181	ETC coasting surge <Service Campaign WVU-31> (Release month: April 2011)	None
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



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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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
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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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
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	Problem Fixed History	Necessary Connector
ECM	2014	Forester	2.5L	non-Turbo	MT	FED	22765AE194	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	FED	22765AE204	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2014	Forester	2.5L	non-Turbo	MT	CAL	22765AE214	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	CAL	22765AE224	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2014	Forester	2.0L	Turbo	CVT	FED, CAL	22611BG962	Improvement for hesitation felt when accelerating. (Release Month: December 2018), HVAC blower speed variation improvement, Spark knocking at high air intake temperature, P2270, P0137, Surge felt during acceleration	None
ECM	2015	Forester	2.0L	Turbo	CVT	FED, CAL	22765AG978	Improvement for hesitation felt when accelerating. (Release Month: December 2018), HVAC blower speed variation improvement, Spark knocking at high air intake temperature, P2270, P0137, Surge felt during acceleration	None
ECM	2016	Forester	2.0L	Turbo	CVT	FED, CAL	22765AH514	Improvement for hesitation felt when accelerating. (Release Month: December 2018), HVAC blower speed variation improvement, Spark knocking at high air intake temperature, Surge felt during acceleration	None
ECM	2015	Forester	2.5L	non-Turbo	MT	FED	22765AG724	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2015	Forester	2.5L	non-Turbo	CVT	FED	22765AG734	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None
ECM	2015	Forester	2.5L	non-Turbo	MT	CAL	22765AG744	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2015	Forester	2.5L	non-Turbo	CVT	CAL	22765AG754	HVAC blower speed variation improvement Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas (Release Month: March 2017)	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
ECM	2016	WRX	2.0L	Turbo	MT	FED CAL	22765AH613	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature P2270 (Release Month: April 2017)	None
ECM	2016	WRX	2.0L	Turbo	CVT	FED CAL	22765AH623	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature P2270 (Release Month: April 2017)	None
ECM	2017	Forester	2.5L	non-Turbo	MT	CANADA	22765AH832	Enhanced charging logic for improved battery life Reduce engine rpm hold time when clutch depressed P013F (Release Month: May 2017)	None
ECM	2017	Forester	2.5L	non-Turbo	CVT	CANADA	22765AH842	Surge under light acceleration Enhanced charging logic for improved battery life P013F (Release Month: October 2016)	None
ECM	2017	Forester	2.5L	non-Turbo	MT	CAL	22765AH852	Enhanced charging logic for improved battery life Reduce engine rpm hold time when clutch depressed P013F (Release Month: May 2017)	None
ECM	2017	Forester	2.5L	non-Turbo	CVT	CAL	22765AH862	Surge under light acceleration Enhanced charging logic for improved battery life P013F (Release Month: July 2017)	None
ECM	2017	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AK31C	Enhanced charging logic for improved battery life P014B (Release Month: April 2017)	None
ECM	2017	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AK31C	Enhanced charging logic for improved battery life P014B (Release Month: April 2017)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2017	WRX	2.5L	Turbo	MT	FED, CAL	22765AK172	DTC P0300 during stop/go driving (Release: January 2019), P013F	None
ECM	2018	WRX	2.5L	Turbo	MT	FED, CAL	22765AK921	DTC P0300 during stop/go driving (Release: January 2019)	None
ECM	2017	Forester	2.0L	Turbo	CVT	FED, CAL	22765AH923	Improvement for hesitation felt when accelerating. (Release Month: December 2018), HVAC blower speed variation improvement, Spark knocking at high air intake temperature	None
ECM	2018	Forester	2.0L	Turbo	CVT	FED, CAL	22765AL591	Improvement for hesitation felt when accelerating. (Release Month: December 2018)	None
ECM	2017	WRX	2.0L	Turbo	MT	FED, CAL	22765AK382	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature (Release Month: April 2017)	None
ECM	2017	WRX	2.0L	Turbo	CVT	FED, CAL	22765AK392	Enhanced charging logic for improved battery life Spark knocking at high air intake temperature (Release Month: April 2017)	None
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AJ59H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*(Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batte	None
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AJ60H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*(Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batte	None
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AK61H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batt	None
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AL71H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*(Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batter	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2018	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AJ59H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*(Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batter	None
ECM	2018	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AK61H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batt	None
ECM	2018	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AL71H	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved batt	None
ECM	2018	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM28F	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), <WTT-79> Enhanced logic to prevent rpm drop while stopping	None
ECM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	22765AJ625	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), <WTT-79> Enhanced logic to prevent rpm drop while stopping	None
ECM	2018	XV Crosstrek	2.0L	non-Turbo	MT	FED, CAL	22765AJ615	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Enhanced logic to prevent rpm drop while stopping, P060A and enhanced logic to prevent rpm drop while stoppi	None
ECM	2019	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AM65D	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2019	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM67D	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AM64D	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM66D	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	XV Crosstrek	2.0L	non-Turbo	MT	FED, CAL	22765AM813	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	XV Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	22765AM823	<Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019), Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	22765AM402	Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: Oct. 2019)	None
ECM	2016	Forester	2.5L	non-Turbo	MT	FED	22765AH262	HVAC blower speed variation improvement (Release Month: March 2017)	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	FED	22765AH272	HVAC blower speed variation improvement (Release Month: March 2017)	None
ECM	2016	Forester	2.5L	non-Turbo	MT	CAL	22765AH283	HVAC blower speed variation improvement (Release Month: March 2017)	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	CAL	22765AH293	HVAC blower speed variation improvement (Release Month: March 2017)	None
ECM	2018	Forester	2.5L	non-Turbo	MT	FED CAL	22765AL381	Reduce engine rpm hold time when clutch depressed (Release Month: May 2017)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	22765AL391	Surge under light acceleration (Release Month: July 2017)	None
ECM	2016	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AJ17B	Enhanced charging logic for improved battery life (Release month: July 2017)	None
ECM	2016	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AJ17B	Enhanced charging logic for improved battery life (Release month: July 2017)	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
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	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	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	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	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	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



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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
TCM	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	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	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
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 Improved oil pressure control (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	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	2011	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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
TCM	2012	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	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	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	2011	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	2012	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	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	30919AD323	Bump felt while idling in Drive Engine rpm flare and cruise cancel on uphill grade Improved oil pressure control (Release month:Jan 2017)	None
TCM	2015	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AD333	Bump felt while idling in Drive Engine rpm flare and cruise cancel on uphill grade Improved oil pressure control (Release month:Jan 2017)	None
TCM	2016	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AF032	Bump felt while idling in Drive Engine rpm flare and cruise cancel on uphill grade (Release month:Jan 2017)	None
TCM	2016	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF042	Bump felt while idling in Drive Engine rpm flare and cruise cancel on uphill grade (Release month:Jan 2017)	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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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	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	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	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	2011	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	2012	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	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 Improved oil pressure control (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
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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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
TCM	2017	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF47C	Bump felt while idling in Drive Improve rear wheel traction when turning. (Release month:Jan 2017)	None
TCM	2017	Outback	3.6L	non-Turbo	CVT	FED CAL	30919AF53B	Improve rear wheel traction when turning.(Release Month: Oct 2016)	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	CAL	30919AE721	Improve rear wheel traction when turning.(Release Month: Oct 2016)	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	FED	30919AE731	Improve rear wheel traction when turning.(Release Month: Oct 2016)	None
TCM	2017	Forester	2.0L	Turbo	CVT	FED CAL	30919AE871	Improve rear wheel traction when turning.(Release Month: Oct 2016)	None
TCM	2017	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AF46B	Bump felt while idling in Drive (Release month:Jan 2017)	None
TCM	2015	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AD951	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AD961	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Forester	2.0L	Turbo	CVT	FED	30919AE061	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AE371	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AE381	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	30919AE391	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Legacy	3.6L	non-Turbo	CVT	FED	30919AD721	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	Outback	3.6L	non-Turbo	CVT	FED	30919AD731	Improved oil pressure control (Release month: Jan 2017)	None
TCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	30919AE122	Reduction of shock felt during low speed braking following extended cold soak and start. Bump felt while idling in Drive (Release: Nov 2017)	None
TCM	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	30919AE642	Reduction of shock felt during low speed braking following extended cold soak and start. Bump felt while idling in Drive (Release: Nov 2017)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
TCM	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	30919AE642	Reduction of shock felt during low speed braking following extended cold soak and start (Release: Nov 2017)	None
TCM	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AF12B	Traction distribution when steering is turning. (Release month: Feb 2017)	None
TCM	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AF20B	Traction distribution when steering is turning. (Release month: Feb 2017)	None
BIU	2016	WRX	2.0L	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	2.0L	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
CAMERA	2015	Legacy	2.5L	non-Turbo	-	-	87501AL005	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2015	Legacy	3.6L	non-Turbo	-	-	87501AL005	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2015	Outback	2.5L	non-Turbo	-	-	87501AL005	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2015	Outback	3.6L	non-Turbo	-	-	87501AL005	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2015	Impreza	2.0L	non-Turbo	-	-	87501FJ034	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2015	XV Crosstrek	2.0L	non-Turbo	-	-	87501FJ034	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2016	WRX	2.0L	Turbo	-	-	87501VA013	Eyesight camera to allow registration after camera initialization process (Release month: October 2015), <Service Campaign WQS-54> (Release month: June 2015)	None
CAMERA	2018	XV Crosstrek	2.0L	non-Turbo	-	-	87501FL020	Lane departure system defaults to ON after ignition cycle (Release month: October 2017)	None
DMCM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29071AA006	Fail safe logic enhancement to prevent over current to hybrid motor. P0604 P0A78 U0110 P0CDD P0A3F (Release : April 2018)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
DMCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29071AA012	Fail safe logic enhancement to prevent over current to hybrid motor. P0604 (Release : April 2018)	None
DMCM	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29071AA012	Fail safe logic enhancement to prevent over current to hybrid motor. P0604 (Release : April 2018)	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
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	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	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

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
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
BIU	2018	Legacy	2.5L	non-Turbo	-	-	82201AL30B_smt	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	3.6L	non-Turbo	-	-	82201AL30B_smt	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	2.5L	non-Turbo	-	-	82201AL30B_smt	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	3.6L	non-Turbo	-	-	82201AL30B_smt	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	2.5L	non-Turbo	-	FED CAL	82201AL31B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	3.6L	non-Turbo	-	FED CAL	82201AL31B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	2.5L	non-Turbo	-	FED CAL	82201AL31B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	3.6L	non-Turbo	-	FED CAL	82201AL31B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	2.5L	non-Turbo	-	CANADA	82201AL32B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	3.6L	non-Turbo	-	CANADA	82201AL32B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	2.5L	non-Turbo	-	CANADA	82201AL32B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Outback	3.6L	non-Turbo	-	CANADA	82201AL32B_key	Correction for Keyless Access control(Release: October 2017)	None
BIU	2018	Legacy	2.5L	non-Turbo	CVT	FED CAL	82201AL30D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Legacy	3.6L	non-Turbo	CVT	FED CAL	82201AL30D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	2.5L	non-Turbo	CVT	FED CAL	82201AL30D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	82201AL30D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
BIU	2018	Legacy	2.5L	non-Turbo	CVT	FED CAL	82201AL31D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Legacy	3.6L	non-Turbo	CVT	FED CAL	82201AL31D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	2.5L	non-Turbo	CVT	FED CAL	82201AL31D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	82201AL31D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Legacy	2.5L	non-Turbo	CVT	CANADA	82201AL32D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Legacy	3.6L	non-Turbo	CVT	CANADA	82201AL32D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	2.5L	non-Turbo	CVT	CANADA	82201AL32D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2018	Outback	3.6L	non-Turbo	CVT	CANADA	82201AL32D	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	2.5L	non-Turbo	CVT	FED CAL	82201AL40B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	3.6L	non-Turbo	CVT	FED CAL	82201AL40B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	2.5L	non-Turbo	CVT	FED CAL	82201AL40B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	3.6L	non-Turbo	CVT	FED CAL	82201AL40B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	2.5L	non-Turbo	CVT	FED CAL	82201AL41B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	3.6L	non-Turbo	CVT	FED CAL	82201AL41B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	2.5L	non-Turbo	CVT	FED CAL	82201AL41B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	3.6L	non-Turbo	CVT	FED CAL	82201AL41B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	2.5L	non-Turbo	CVT	CANADA	82201AL42B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Legacy	3.6L	non-Turbo	CVT	CANADA	82201AL42B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	2.5L	non-Turbo	CVT	CANADA	82201AL42B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Outback	3.6L	non-Turbo	CVT	CANADA	82201AL42B	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
TCM	2018	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AF65C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None



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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
TCM	2018	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF66C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AF832	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AF842	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	Impreza	2.0L	non-Turbo	CVT	CAL	30919AG31C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AG32C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	30919AF212	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
TCM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	30919AF132	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. Improved secondary pressure performance against P0841 (Release: April 2018)	None
ECM	2018	WRX	2.0L	Turbo	6MT	FED CAL	22765AL001	Correction of P0852 diagnosis logic. (Release: January 2018)	None
TCM	2018	Legacy	3.6L	non-Turbo	CVT	FED CAL	30919AF71B	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. (Release: April 2018)	None
TCM	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	30919AF72B	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. (Release: April 2018)	None
TCM	2018	Forester	2.0L	Turbo	CVT	FED CAL	30919AF931	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. (Release: April 2018)	None
TCM	2018	WRX	2.0L	Turbo	CVT	FED CAL	30919AF801	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool. (Release: April 2018)	None
HPCM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29320AA012	New DTC P1C0A Engine Restart Battery Low Voltage. (Release: April 2018)	None
HPCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29320AA031	New DTC P1C0A Engine Restart Battery Low Voltage. (Release: April 2018)	None
ECM	2019	ASCENT	2.4L	Turbo	CVT	FED, CAL	22765AL734	P1604 set as a result of long engine cranking (Release: Oct. 2019), Improvement to misfire feeling while driving, and DTC U0122, P0045 and P2196	None
ECM	2020	ASCENT	2.4L	Turbo	CVT	FED, CAL	22765AN501	P1604 set as a result of long engine cranking (Release: Oct. 2019)	None
BEUC	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ001_US	P0A7E Temp Range Correction (Release: November 2018)	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
BECU	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ011_US	P0A7E Temp Range Correction (Release: November 2018)	None
BECU	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ011_US	P0A7E Temp Range Correction (Release: November 2018)	None
ECM	2017	BRZ	2.0L	non-Turbo	MT	FED CAL	22765AK031	DTC P219A/P119F at low engine temp (Release: November 2018)	None
ECM	2018	BRZ	2.0L	non-Turbo	MT	FED CAL	22765AM101	DTC P219A/P119F at low engine temp (Release: November 2018)	None
ECM	2019	BRZ	2.0L	non-Turbo	MT	FED CAL	22765AN211	DTC P219A/P119F at low engine temp (Release: November 2018)	None
VDC	2015	WRX	2.0L	Turbo	CVT	FED CAL	27596VA015	DTC C1531, DTC C1741(Release month: Apr 2019)	None
VDC	2016	WRX	2.0L	Turbo	CVT	FED CAL	27536VA034	DTC C1531, DTC C1741(Release month: Apr 2019)	None
VDC	2017	WRX	2.0L	Turbo	CVT	FED CAL	27536VA074	DTC C1531, DTC C1741(Release month: Apr 2019)	None
VDC	2018	WRX	2.0L	Turbo	CVT	FED CAL	27536VA102	DTC C1531, DTC C1741(Release month: Apr 2019)	None
ECM	2017	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AK041	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2018	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AM111	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2019	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AN221	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2020	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AP181	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None