

Reprogramming J-2534 Files

July 2020 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 P030X P0172 Hesitation	None
ECM	2003	Outback	2.5L	non-Turbo	MT AT	FED CAL	UD-S205C	P0172 Hard start with open throttle P030X P0172 Hesitation	None
ECM	2003	Baja	2.5L	non-Turbo	MT AT	FED CAL	UD-S205C	P0172 Hard start with open throttle P030X P0172 Hesitation	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 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	P0139 P0464	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	FED	UD-S222A	Cruise control switch shuts off Surge on downhill P1160 P2097	None
ECM	2005	Outback	2.5L	non-Turbo	MT	FED	UD-S222A	Cruise control switch shuts off Surge on downhill P1160 P2097	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: 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: 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: 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: June 2009)	None
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: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	FED	22611AK41D	<Service Campaign WVU-31> High idling P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	FED	22611AK42D	<Service Campaign WVU-31> P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	FED	22611AK42D	<Service Campaign WVU-31> P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	CAL	22611AK43G	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	CAL	22611AK43G	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	CAL	22611AK44E	<Service Campaign WVU-31> <WVM-23> P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	CAL	22611AK44E	<Service Campaign WVU-31> <WVM-23> P0607 (Release: 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: April 2011)	None

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ECM	2007	Outback	2.5L	non-Turbo	AT	FED	22611AM37B	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	FED	22611AM36B	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	FED	22611AM36B	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	AT	CAL	22611AM39C	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	AT	CAL	22611AM39C	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	CAL	22611AM38C	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	CAL	22611AM38C	<Service Campaign WVU-31> <WVM-23> (Release: 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	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	2009	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: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	CAL	22611AN02F	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: 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: 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: 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: 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: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	FED	22611AN00E	<Service Campaign WVU-31> (Release: 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: 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: June 2011)	None
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: 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: June 2011)	None
ECM	2010	Legacy	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp (Release: November 2012) <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition Extended cranking times in winter temperature	None
ECM	2010	Outback	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp (Release: November 2012) <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition Extended cranking times in winter temperature	None
ECM	2010	Legacy	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp (Release: November 2012) <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition Extended cranking times in winter temperature	None
ECM	2010	Outback	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp (Release: November 2012) <Service Campaign WVU-31> and Engine rpm drops when low vehicle speed with AC on condition Extended cranking times in winter temperature	None

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ECM	2010	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AB08B	<Service Campaign WVU-31> (Release: May 2011) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2010	Outback	2.5L	non-Turbo	MT	FED	22765AB08B	<Service Campaign WVU-31> (Release: May 2011) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2010	Outback	3.6L	non-Turbo	AT	CAL	22765AA05B	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	FED	22765AA06B	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Outback	3.6L	non-Turbo	AT	FED	22765AA06B	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	CAL	22765AA05B	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2011	Outback	2.5L	non-Turbo	MT	CAL	22765AB06B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2011	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AB08B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2011	Outback	2.5L	non-Turbo	MT	FED	22765AB08B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2011	Legacy	2.5L	Turbo	MT	FED CAL	22765AB11B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: 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: August 2010)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp (Release: October 2012) Engine rpm drops when low vehicle speed with AC on condition <Service Campaign WVT-30> Revise A/F sensor protection logic update	None
ECM	2011	Outback	2.5L	non-Turbo	CVT	CAL	22765AB07D	Engine rpm drops and rough idle at higher temp (Release: October 2012) Engine rpm drops when low vehicle speed with AC on condition <Service Campaign WVT-30> Revise A/F sensor protection logic update	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp (Release: October 2012) Engine rpm drops when low vehicle speed with AC on condition <Service Campaign WVT-30> Revise A/F sensor protection logic update	None
ECM	2011	Outback	2.5L	non-Turbo	CVT	FED	22765AB09D	Engine rpm drops and rough idle at higher temp (Release: October 2012) Engine rpm drops when low vehicle speed with AC on condition <Service Campaign WVT-30> Revise A/F sensor protection logic update	None
ECM	2011	Legacy	2.5L	Turbo	MT	FED CAL	22765AC96D	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128	None
ECM	2011	Outback	2.5L	non-Turbo	MT	CAL	22765AC92E	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456 Program module unification for engine speed stability	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	CAL	22765AC93E	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) 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	None
ECM	2011	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AC94E	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 Program module unification for engine speed stability	None
ECM	2011	Outback	2.5L	non-Turbo	MT	FED	22765AC94E	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 Program module unification for engine speed stability	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	FED	22765AC95D	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) 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	None

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ECM	2011	Outback	2.5L	non-Turbo	CVT	FED	22765AC95D	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) 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	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	22765AB12B	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: 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: 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: 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: August 2010)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	FED	22765AC98C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	22765AC98C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	22765AC97C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2012	Outback	2.5L	non-Turbo	MT	CAL	22765AC65E	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456	None
ECM	2012	Legacy	2.5L	non-Turbo	CVT	CAL	22765AC66C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128 P0456 Engine rpm drops and rough idle at higher temp	None
ECM	2012	Outback	2.5L	non-Turbo	CVT	CAL	22765AC66C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128 P0456 Engine rpm drops and rough idle at higher temp	None
ECM	2012	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AD31D	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456	None
ECM	2012	Outback	2.5L	non-Turbo	MT	FED	22765AD31D	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456	None
ECM	2012	Legacy	2.5L	non-Turbo	CVT	FED	22765AC67C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128 P0456 Engine rpm drops and rough idle at higher temp	None
ECM	2012	Outback	2.5L	non-Turbo	CVT	FED	22765AC67C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128 P0456 Engine rpm drops and rough idle at higher temp	None
ECM	2012	Legacy	2.5L	Turbo	MT	FED CAL	22765AD30C	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456	None
ECM	2012	Legacy	3.6L	non-Turbo	AT	CAL	22765AC68C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Outback	3.6L	non-Turbo	AT	CAL	22765AC68C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Legacy	3.6L	non-Turbo	AT	FED	22765AC69C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Outback	3.6L	non-Turbo	AT	FED	22765AC69C	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	CAL	22765AD09B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	CAL	22765AD90B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	FED	22765AD10B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	FED	22765AD91B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	CAL	22765AD09B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	CAL	22765AD90B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	FED	22765AD10B	P0341 P0346 (Release: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	FED	22765AD91B	P0341 P0346 (Release: July 2012)	None

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ECM	2013	Legacy	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Legacy	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AE05G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Legacy	2.5L	non-Turbo	MT	FED CAL	22765AE05G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Legacy	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Legacy	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Outback	2.5L	non-Turbo	MT	CAL	22765AE04G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Outback	2.5L	non-Turbo	MT	CAL	22765AE04G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Outback	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Outback	2.5L	non-Turbo	CVT	CAL	22765AE06G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Outback	2.5L	non-Turbo	MT	FED	22765AE05G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Outback	2.5L	non-Turbo	MT	FED	22765AE05G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2013	Outback	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2014	Outback	2.5L	non-Turbo	CVT	FED	22765AE07G	Extended engine cranking (applicable for 13MY) (Release: October 2014) Improve the accuracy of oil level detection Spark knock Surge improvement Rpm drop with electrical load	None
ECM	2015	Legacy	2.5L	non-Turbo	MT	CANADA	22765AF34G	Improves Relay Performance in Cold Temperatures (Release: January 2020), 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	None
ECM	2015	Outback	2.5L	non-Turbo	MT	CANADA	22765AF34G	Improves Relay Performance in Cold Temperatures (Release: January 2020), 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	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	FED	22765AF35H	Improves Relay Performance in Cold Temperatures (Release: January 2020), 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	None

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ECM	2015	Outback	2.5L	non-Turbo	CVT	FED	22765AF35H	Improves Relay Performance in Cold Temperatures (Release: January 2020), 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	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AF36H	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures(Release: January 2020), 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 batter	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AF36H	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures(Release: January 2020), 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 batter	None
ECM	2015	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK16F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures(Release: January 2020), 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 batter	None
ECM	2015	Outback	2.5L	non-Turbo	CVT	CAL	22765AK16F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures(Release: January 2020), 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 batter	None
ECM	2016	Legacy	2.5L	non-Turbo	MT	CANADA	22765AJ13E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2016	Outback	2.5L	non-Turbo	MT	CANADA	22765AJ13E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2016	Legacy	2.5L	non-Turbo	CVT	CAL	22765AJ14E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2016	Outback	2.5L	non-Turbo	CVT	CAL	22765AJ14E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2016	Legacy	2.5L	non-Turbo	CVT	FED	22765AJ15E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2016	Outback	2.5L	non-Turbo	CVT	FED	22765AJ15E	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2017	Legacy	2.5L	non-Turbo	MT	CANADA	22765AK49F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2017	Outback	2.5L	non-Turbo	MT	CANADA	22765AK49F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2017	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK48F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None

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ECM	2017	Outback	2.5L	non-Turbo	CVT	CAL	22765AK48F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2017	Legacy	2.5L	non-Turbo	CVT	FED	22765AK50F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2017	Outback	2.5L	non-Turbo	CVT	FED	22765AK50F	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), 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 batte	None
ECM	2018	Legacy	2.5L	non-Turbo	CVT	CAL	22765AK85C	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms.	None
ECM	2018	Outback	2.5L	non-Turbo	CVT	CAL	22765AK85C	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020), Optimize A/F correction control reducing rpm drop when A/C is set to off at idle as engine warms.	None
ECM	2019	Legacy	2.5L	non-Turbo	CVT	CAL	22765AN06B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2019	Outback	2.5L	non-Turbo	CVT	CAL	22765AN06B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2018	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AK89B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AK89B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2019	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AN11B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2019	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AN11B	Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2015	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AF45E	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life P0137 idle drop when selecting R to D P000A P000C	None
ECM	2015	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AF45E	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life P0137 idle drop when selecting R to D P000A P000C	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	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128	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	<Service Campaign WVU-31> (Release: March 2011) P0607	None
ECM	2006	Impreza	2.5L	non-Turbo	MT	FED CAL	22611AM442	<Service Campaign WVU-31> (Release: March 2011) High idling P0607 ETC coasting surge	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

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ECM	2007	Impreza	2.5L	non-Turbo	MT	FED CAL	22611AM442	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2007	Impreza	2.5L	non-Turbo	AT	FED CAL	22611AM451	<Service Campaign WVU-31> (Release: 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 (Release: January 2012) Surge on acceleration between 3000 and 4000 rpm	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	Impreza	2.5L	non-Turbo	AT	FED CAL	22611AM702	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2008	Impreza	2.5L	non-Turbo	MT	FED CAL	22611AM692	<Service Campaign WVU-31> (Release: May 2011) Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving	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: January 2012)	None
ECM	2010	Impreza	2.5L	non-Turbo	AT	FED CAL	22765AA792	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2010	Impreza	2.5L	non-Turbo	MT	FED CAL	22765AA782	<Service Campaign WVU-31> (Release: 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: 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: 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: August 2010)	None
ECM	2011	Impreza	2.5L	non-Turbo	AT	FED CAL	22765AD012	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0128 P050A	None
ECM	2011	Impreza	2.5L	non-Turbo	MT	FED CAL	22765AD003	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128	None
ECM	2011	Impreza	2.5L	non-Turbo	MT	FED CAL	22765AD003	P050A (Release: 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: August 2010)	None
ECM	2011	Impreza	2.5L	Turbo	5MT	FED CAL	22765AB201	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010) Engine rpm delay in lowering when clutch pedal depressed	None
ECM	2011	Impreza	2.5L	Turbo	5MT	FED CAL	22765AD023	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0128 P030* <misfire detection> P050A	None
ECM	2011	Impreza	2.5L	Turbo	6MT	FED CAL	22765AD033	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0128 P030* <misfire detection> P050A	None
ECM	2012	Impreza	2.0L	non-Turbo	CVT	CAL	22765AC426	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Impreza	2.0L	non-Turbo	CVT	FED	22765AC386	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Impreza	2.0L	non-Turbo	MT	CAL	22765AC407	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection P050A P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Impreza	2.0L	non-Turbo	MT	FED	22765AC367	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection P050A P0017 P0019 OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Impreza	2.5L	Turbo	5MT	FED CAL	22765AC733	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0128 P030* <misfire detection> P050A	None
ECM	2012	Impreza	2.5L	Turbo	6MT	FED CAL	22765AC743	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0128 P030* <misfire detection> P050A	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	FED	22765AE744	Extended engine cranking (Release: July 2015) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	Impreza	2.0L	non-Turbo	CVT	CAL	22765AE764	Extended engine cranking (Release: July 2015) Improve the accuracy of oil level detection P0017 P0019	None

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ECM	2013	Impreza	2.0L	non-Turbo	MT	FED	22765AE733	Extended engine cranking (Release: October 2014) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	Impreza	2.0L	non-Turbo	MT	CAL	22765AE753	Extended engine cranking (Release: October 2014) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	Impreza	2.5L	Turbo	5MT	FED CAL	22765AF172	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2013	Impreza	2.5L	Turbo	6MT	FED CAL	22765AF182	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	FED	22765AG002	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	CAL	22765AG022	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	Impreza	2.5L	Turbo	5MT	FED CAL	22765AF741	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2014	Impreza	2.5L	Turbo	6MT	FED CAL	22765AF751	P0341 P0346 at high engine rpm (Release: 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 (Release: 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 (Release: July 2018)	None
ECM	2015	Impreza	2.0L	non-Turbo	MT	CAL	22765AH183	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	Impreza	2.0L	non-Turbo	CVT	CAL	22765AH193	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	CVT	FED	22765AE854	Extended engine cranking (Release: July 2015) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AE874	Extended engine cranking (Release: July 2015) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	MT	FED	22765AE843	Extended engine cranking (Release: October 2014) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AE863	Extended engine cranking (Release: October 2014) Improve the accuracy of oil level detection P0017 P0019	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 (Release: 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 (Release: July 2018)	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	MT	FED	22765AG082	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AG102	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	22765AE632	Improve the accuracy of oil level detection (Release: October 2014)	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	MT	CAL	22765AH483	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	22765AH493	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	XV Hybrid	2.0L	non-Turbo	CVT	CAL	22765AH501	DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2015	WRX	2.0L	Turbo	MT	FED CAL	22765AR960	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270 <Service Campaign WQW-58>, P0300, Improvement of knock co	None
ECM	2015	WRX	2.0L	Turbo	CVT	FED CAL	22765AR970	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270 <Service Campaign WQW-58>, P0300, Improvement of knock co	None
ECM	2015	WRX	2.5L	Turbo	6MT	FED CAL	22765AF581	Loss of boost at high ambient temperature (Release: Apr 2016)	None
ECM	2016	WRX	2.5L	Turbo	6MT	FED CAL	22765AH602	Loss of boost at high ambient temperature (Release: Apr 2016) Misfire reduction at extreme low fuel levels Idle drop	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

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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	<Service Campaign WVU-31> (Release: March 2011) P2097 Hesitation P0607	None
ECM	2006	Forester	2.5L	non-Turbo	MT	FED CAL	22611AK734	<Service Campaign WVU-31> (Release: March 2011) P2097 Hesitation High idling P0607 ETC coasting surge	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	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2007	Forester	2.5L	non-Turbo	MT	CAL	22611AM314	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2007	Forester	2.5L	non-Turbo	AT	FED	22611AM302	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	AT	FED	22611AM302	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Forester	2.5L	non-Turbo	MT	FED	22611AP181	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2008	Forester	2.5L	non-Turbo	MT	FED	22611AP181	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2008	Forester	2.5L	non-Turbo	AT	CAL	22611AN085	<Service Campaign WVU-31> (Release: June 2011) <Service Campaign WVM-23 & WVN-24>	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CAL	22611AN074	<Service Campaign WVU-31> (Release: June 2011) Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving <Service Campaign WVM-23 & WVN-24>	None
ECM	2008	Forester	2.5L	non-Turbo	AT	CANADA	22611AN061	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CANADA	22611AP191	<Service Campaign WVU-31> (Release: June 2011) ETC coasting surge at very slight throttle	None
ECM	2009	Forester	2.5L	non-Turbo	AT	CAL	22611AN453	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2009	Forester	2.5L	non-Turbo	MT	CAL	22611AN443	<Service Campaign WVU-31> (Release: May 2011) Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving <WVM-23 & WVN-24>	None
ECM	2009	Forester	2.5L	non-Turbo	AT	FED	22611AN432	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	MT	FED	22611AN422	<Service Campaign WVU-31> (Release: May 2011) Engine Speed rises to about 2000 rpm when clutch pedal is depress and vehicle is moving	None
ECM	2010	Forester	2.5L	non-Turbo	AT	CAL	22765AA362	<Service Campaign WVU-31> (Release: May 2011) <WVM-23 & WVN-24>	None
ECM	2010	Forester	2.5L	non-Turbo	MT	CAL	22765AA352	<Service Campaign WVU-31> (Release: May 2011) <WVM-23 & WVN-24>	None
ECM	2010	Forester	2.5L	non-Turbo	AT	FED	22765AA342	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	MT	FED	22765AA332	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2011	Forester	2.5L	Turbo	AT	FED CAL	22765AB285	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2011	Forester	2.5L	non-Turbo	AT	CAL	22765AB408	Extended engine cranking (Release: January 2015) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> P0108 P050A P2610 Program module unification for engine speed stability	None
ECM	2011	Forester	2.5L	non-Turbo	MT	CAL	22765AB418	P050A (Release: October 2013) 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	None
ECM	2011	Forester	2.5L	non-Turbo	AT	FED	22765AB428	Extended engine cranking (Release: January 2015) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection> P0108 P050A P2610 Program module unification for engine speed stability	None
ECM	2011	Forester	2.5L	non-Turbo	MT	FED	22765AB438	P050A (Release: October 2013) 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	None
ECM	2012	Forester	2.5L	non-Turbo	AT	CAL	22765AD395	Extended engine cranking (Release: January 2015) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None

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ECM	2012	Forester	2.5L	non-Turbo	MT	CAL	22765AD405	P050A (Release: October 2013) Extended engine cranking OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Forester	2.5L	non-Turbo	AT	FED	22765AD414	Extended engine cranking (Release: January 2015) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Forester	2.5L	non-Turbo	MT	FED	22765AD424	P050A (Release: October 2013) Extended engine cranking OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P030* <misfire detection>	None
ECM	2012	Forester	2.5L	Turbo	AT	FED CAL	22765AD443	P050A (Release: October 2013) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128 P0456 P030* <misfire detection>	None
ECM	2013	Forester	2.5L	non-Turbo	AT	CAL	22765AE572	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	MT	CAL	22765AE582	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	AT	FED	22765AE592	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	MT	FED	22765AE602	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	Turbo	AT	FED CAL	22765AE562	P0341 P0346 at high engine rpm (Release: January 2014) P050A	None
ECM	2014	Forester	2.5L	non-Turbo	MT	FED	22765AE194	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	FED	22765AE204	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2014	Forester	2.5L	non-Turbo	MT	CAL	22765AE214	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2014	Forester	2.5L	non-Turbo	CVT	CAL	22765AE224	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2014	Forester	2.0L	Turbo	CVT	FED, CAL	22611BG963	Improvement for startability and idle stability at low temperatures (Release: January 2020),.Improvement for hesitation felt when accelerating, HVAC blower speed variation improvement, Spark knocking at high air intake temperature, P2270, P0137, Surge f	None
ECM	2015	Forester	2.0L	Turbo	CVT	FED, CAL	22765AG979	Improvement for startability and idle stability at low temperatures (Release: January 2020),.Improvement for hesitation felt when accelerating, HVAC blower speed variation improvement, Spark knocking at high air intake temperature, P2270, P0137, Surge f	None
ECM	2016	Forester	2.0L	Turbo	CVT	FED, CAL	22765AH516	Improvement for startability and idle stability at low temperatures (Release: January 2020), .Improvement for hesitation felt when accelerating., HVAC blower speed variation improvement, Spark knocking at high air intake temperature, Surge felt during ac	None
ECM	2015	Forester	2.5L	non-Turbo	MT	FED	22765AG724	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2015	Forester	2.5L	non-Turbo	CVT	FED	22765AG734	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2015	Forester	2.5L	non-Turbo	MT	CAL	22765AG744	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2015	Forester	2.5L	non-Turbo	CVT	CAL	22765AG754	HVAC blower speed variation improvement (Release: March 2017) Extended engine cranking Improve the accuracy of oil level detection Spark knock occurring in high altitude areas	None
ECM	2013	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AG501	Improve idle stability following AC compressor off and extended engine cranking (Release: January 2014) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0017 P0019 P1235	None

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ECM	2013	BRZ	2.0L	non-Turbo	MT	FED CAL	22765AG511	Improve idle stability following AC compressor off and extended engine cranking (Release: January 2014) OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0017 P0019 P1235	None
ECM	2014	BRZ	2.0L	non-Turbo	AT	FED CAL	22765AG501	Improve idle stability following AC compressor off and extended engine cranking (Release: 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: January 2014)	None
ECM	2016	WRX	2.0L	Turbo	MT	FED CAL	22765AH615	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270	None
ECM	2016	WRX	2.0L	Turbo	CVT	FED CAL	22765AH625	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270	None
ECM	2016	WRX	2.0L	Turbo	CVT	FED CAL	22765AH625	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life	None
ECM	2016	Impreza	2.0L	non-Turbo	MT	FED CAL	22765AH711	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	Impreza	2.0L	non-Turbo	CVT	FED CAL	22765AH721	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	XV Crosstrek	2.0L	non-Turbo	MT	FED CAL	22765AH741	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	22765AH751	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	XV Crosstrek	2.0L	non-Turbo	MT	FED CAL	22765AK581	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	22765AK591	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	Forester	2.5L	non-Turbo	MT	CANADA	22765AH833	DTC P0400 set during colder temperatures (Release: January 2020), Reduce engine rpm hold time when clutch depressed, Enhanced charging logic for improved battery life, P013F,	None
ECM	2017	Forester	2.5L	non-Turbo	CVT	CANADA	22765AH843	DTC P0400 set during colder temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Surge under light acceleration, P013F	None
ECM	2017	Forester	2.5L	non-Turbo	MT	FED CAL	22765AH853	DTC P0400 set during colder temperatures (Release: January 2020), Reduce engine rpm hold time when clutch depressed, Enhanced charging logic for improved battery life, P013F,	None
ECM	2017	Forester	2.5L	non-Turbo	CVT	FED CAL	22765AH863	DTC P0400 set during colder temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Surge under light acceleration, P013F	None
ECM	2018	Forester	2.5L	non-Turbo	MT	FED CAL	22765AL382	DTC P0400 set during colder temperatures (Release: January 2020), Reduce engine rpm hold time when clutch depressed	None
ECM	2017	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AK31D	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life P013F P014B	None
ECM	2017	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AK31D	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life P013F P014B	None
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	22765AH925	Improvement for startability and idle stability at low temperatures (Release: January 2020), Improvement for hesitation felt when accelerating, HVAC blower speed variation improvement, Spark knocking at high air intake temperature	None
ECM	2018	Forester	2.0L	Turbo	CVT	FED, CAL	22765AL593	Improvement for startability and idle stability at low temperatures (Release: January 2020), Improvement for hesitation felt when accelerating.	None
ECM	2017	WRX	2.0L	Turbo	MT	FED CAL	22765AK384	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature	None
ECM	2017	WRX	2.0L	Turbo	CVT	FED CAL	22765AK394	Improvement for startability and idle stability at low temperatures (Release: January 2020), Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature	None
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AJ59J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AJ59J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AJ60J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AK61J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AL71J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None
ECM	2018	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AJ59J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: May 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to	None
ECM	2018	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AK61J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: May 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to	None
ECM	2018	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AL71J	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: May 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to	None
ECM	2018	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM28G	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, <WTT-79> Enhan	None
ECM	2018	XV Crosstrek	2.0L	non-Turbo	MT	FED, CAL	22765AJ616	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic	None
ECM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	22765AJ626	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, <WTT-79> Enhan	None
ECM	2019	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AM64E	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None
ECM	2019	Impreza	2.0L	non-Turbo	MT	FED, CAL	22765AM65E	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None
ECM	2019	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM66E	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None
ECM	2019	Impreza	2.0L	non-Turbo	CVT	FED, CAL	22765AM67E	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None

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ECM	2019	XV Crosstrek	2.0L	non-Turbo	MT	FED, CAL	22765AM814	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None
ECM	2019	XV Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	22765AM824	DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures (Release: January 2020), <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for	None
ECM	2019	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	22765AM403	Enhanced Diagnosis for DTC P219C,D,E and F (Release: January 2020), Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*	None
ECM	2020	XV Hybrid	2.0L	non-Turbo	CVT	FED, CAL	22765AN781	Enhanced Diagnosis for DTC P219C,D,E and F (Release: January 2020)	None
ECM	2016	Forester	2.5L	non-Turbo	MT	FED	22765AH263	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	FED	22765AH273	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	MT	CAL	22765AH284	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	CAL	22765AH294	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	22765AN461	Improves relay performance in cold temperatures, Improvement for surge felt while driving uphill using cruise control at high altitude (Release: January 2020)	None
ECM	2016	Legacy	3.6L	non-Turbo	CVT	FED CAL	22765AJ17C	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life	None
ECM	2016	Outback	3.6L	non-Turbo	CVT	FED CAL	22765AJ17C	Improves Relay Performance in Cold Temperatures (Release: January 2020), Enhanced charging logic for improved battery life	None
TCM	2005	Legacy	2.5L	non-Turbo	AT	FED	31711AG831	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Outback	2.5L	non-Turbo	AT	FED	31711AG851	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Legacy	2.5L	non-Turbo	AT	CAL	31711AG861	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Outback	2.5L	non-Turbo	AT	CAL	31711AG881	Downshift shock 4 to 3 and 3 to 2 when engine is cold	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: 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: 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: 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: 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: September 2009)	None
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: 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: September 2009)	None

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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: September 2009)	None
TCM	2010	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AB014	To maintain manual mode engine braking on long downhill grade (Release: Apr 2016) Lack of power in reverse on incline Improved oil pressure control	None
TCM	2010	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AB024	To maintain manual mode engine braking on long downhill grade (Release: Apr 2016) Lack of power in reverse on incline Improved oil pressure control	None
TCM	2011	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AB673	To maintain manual mode engine braking on long downhill grade (Release: Apr 2016) Improved oil pressure control	None
TCM	2011	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AB683	To maintain manual mode engine braking on long downhill grade (Release: Apr 2016) Improved oil pressure control	None
TCM	2012	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AC321	Improved oil pressure control (Release: Jan 2015)	None
TCM	2012	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AC331	Improved oil pressure control (Release: 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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	None
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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	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 (Release: November 2012) 3-2 shift shock on accel following almost stop Various automatic transmission P codes	None
TCM	2015	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AD323	Bump felt while idling in Drive (Release: Jan 2017) Engine rpm flare and cruise cancel on uphill grade Improved oil pressure control	None
TCM	2015	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AD333	Bump felt while idling in Drive (Release: Jan 2017) Engine rpm flare and cruise cancel on uphill grade Improved oil pressure control	None
TCM	2016	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AF032	Bump felt while idling in Drive (Release: Jan 2017) Engine rpm flare and cruise cancel on uphill grade	None
TCM	2016	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF042	Bump felt while idling in Drive (Release: Jan 2017) Engine rpm flare and cruise cancel on uphill grade	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	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: 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: 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 (Release: November 2012) Various automatic transmission P codes	None

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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 (Release: November 2012) Various automatic transmission P codes	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 (Release: November 2012) Various automatic transmission P codes	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.	None
TCM	2012	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AC102	P2746 P2750 P1724 (Release: July 2012) Feeling of reducing acceleration with steady light throttle applied following stop	None
TCM	2015	WRX	2.0L	Turbo	CVT	FED CAL	30919AD792	Erratic shifting/slipping of the CVT under moderate acceleration when cold (Release: Jan 2016) Improved oil pressure control	None
TCM	2016	WRX	2.0L	Turbo	CVT	FED CAL	30919AE551	Erratic shifting/slipping of the CVT under moderate acceleration when cold (Release: 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	None
TCM	2011	Forester	2.5L	non-Turbo	AT	FED CAL	30919AB431	Downshift shock 3 to 2 and Upshift shock 1 to 2 (Release: 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: January 2011)	None
TCM	2015	BRZ	2.0L	non-Turbo	AT	FED CAL	30919JB111	Idle fluctuation in P and N range (Release: Jul 2015)	None
TCM	2016	BRZ	2.0L	non-Turbo	AT	FED CAL	30919JB111	Idle fluctuation in P and N range (Release: Jul 2015)	None
TCM	2017	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF47C	Bump felt while idling in Drive (Release: Jan 2017) Improve rear wheel traction when turning.	None
TCM	2017	Outback	3.6L	non-Turbo	CVT	FED CAL	30919AF53B	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	CAL	30919AE721	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	FED	30919AE731	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Forester	2.0L	Turbo	CVT	FED CAL	30919AE871	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Legacy	2.5L	non-Turbo	CVT	FED CAL	30919AF46B	Bump felt while idling in Drive (Release: Jan 2017)	None
TCM	2015	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AD951	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AD961	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Forester	2.0L	Turbo	CVT	FED	30919AE061	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AE371	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AE381	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	30919AE391	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Legacy	3.6L	non-Turbo	CVT	FED	30919AD721	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Outback	3.6L	non-Turbo	CVT	FED	30919AD731	Improved oil pressure control (Release: 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 (Release: Nov 2017) Bump felt while idling in Drive	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 (Release: Nov 2017) Bump felt while idling in Drive	None
TCM	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AF12B	Traction distribution when steering is turning. (Release: Feb 2017)	None
TCM	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AF20B	Traction distribution when steering is turning. (Release: Feb 2017)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA251-1	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA251-1	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA251-2	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA251-2	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA261-1	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA261-1	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	88281VA261-2	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	88281VA261-2	To add Keyless Buzzer Vol. Adjustment (Release: 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>	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>	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>	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>	None

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CAMERA	2015	Impreza	2.0L	non-Turbo	-	-	87501FJ034	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	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>	None
CAMERA	2016	WRX	2.0L	Turbo	-	-	87501VA013	Eyesight camera to allow registration after camera initialization process (Release: October 2015), <Service Campaign WQS-54>	None
CAMERA	2018	XV Crosstrek	2.0L	non-Turbo	-	-	87501FL020	Lane departure system defaults to ON after ignition cycle (Release: October 2017)	None
CAMERA	2012	Legacy	2.5L	non-Turbo	-	-	87501AJ011	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Outback	2.5L	non-Turbo	-	-	87501AJ011	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Legacy	3.6L	non-Turbo	-	-	87501AJ011	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Outback	3.6L	non-Turbo	-	-	87501AJ011	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2013	Legacy	2.5L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Outback	2.5L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Legacy	2.5L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Outback	2.5L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Legacy	3.6L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Outback	3.6L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Legacy	3.6L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Outback	3.6L	non-Turbo	-	-	87501AJ042	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
DMCM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29071AA006	Fail safe logic enhancement to prevent over current to hybrid motor (Release : April 2018) P0604 P0A78 U0110 P0CDD P0A3F	None
DMCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29071AA012	Fail safe logic enhancement to prevent over current to hybrid motor (Release : April 2018) P0604	None
EPB	2010	Legacy	2.5L	non-Turbo	MT CVT	FED CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Legacy	2.5L	Turbo	MT	FED CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Legacy	3.6L	non-Turbo	AT	FED CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Outback	2.5L	non-Turbo	MT CVT	FED CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Outback	3.6L	non-Turbo	AT	FED CAL	26002AJ001_00Bz	C0251(Actuator system) in EPB system (Release: September 2009)	None
DCM	2016	Legacy	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Legacy	3.6L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Outback	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Outback	3.6L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Forester	2.5L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Forester	2.0L	Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Impreza	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	XV Crosstrek	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	XV Hybrid	2.0L	non-Turbo	-	-	86222DCM01	<Service Campaign WQZ-61> (Release: Jan 2016)	None
VDC	2015	Legacy	2.5L	non-Turbo	-	-	27596AL002_00D	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Legacy	3.6L	non-Turbo	-	-	27596AL002_00D	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Outback	2.5L	non-Turbo	-	-	27596AL002_00D	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Outback	3.6L	non-Turbo	-	-	27596AL002_00D	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Legacy	2.5L	non-Turbo	-	-	27596AL014_01E	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Legacy	3.6L	non-Turbo	-	-	27596AL014_01E	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None

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Affected Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	Pack Number	Problem Fixed History	Necessary Connector
VDC	2015	Outback	2.5L	non-Turbo	-	-	27596AL014_01E	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2015	Outback	3.6L	non-Turbo	-	-	27596AL014_01E	DTC C1531, DTC C1741 (Release: April 2020), <Service Campaign WTB-63>	None
VDC	2016	Legacy	2.5L	non-Turbo	-	-	27596AL021_02B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Legacy	3.6L	non-Turbo	-	-	27596AL021_02B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Outback	2.5L	non-Turbo	-	-	27596AL021_02B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Outback	3.6L	non-Turbo	-	-	27596AL021_02B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Legacy	2.5L	non-Turbo	-	-	27596AL033_03D	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Legacy	3.6L	non-Turbo	-	-	27596AL033_03D	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Outback	2.5L	non-Turbo	-	-	27596AL033_03D	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2016	Outback	3.6L	non-Turbo	-	-	27596AL033_03D	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Legacy	2.5L	non-Turbo	-	-	27596AL041_04B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Legacy	3.6L	non-Turbo	-	-	27596AL041_04B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Outback	2.5L	non-Turbo	-	-	27596AL041_04B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Outback	3.6L	non-Turbo	-	-	27596AL041_04B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Legacy	2.5L	non-Turbo	-	-	27596AL052_05C	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Legacy	3.6L	non-Turbo	-	-	27596AL052_05C	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Outback	2.5L	non-Turbo	-	-	27596AL052_05C	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	Outback	3.6L	non-Turbo	-	-	27596AL052_05C	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Legacy	2.5L	non-Turbo	-	-	27596AL061_06B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Legacy	3.6L	non-Turbo	-	-	27596AL061_06B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Outback	2.5L	non-Turbo	-	-	27596AL061_06B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Outback	3.6L	non-Turbo	-	-	27596AL061_06B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Legacy	2.5L	non-Turbo	-	-	27596AL071_07B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Legacy	3.6L	non-Turbo	-	-	27596AL071_07B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Outback	2.5L	non-Turbo	-	-	27596AL071_07B	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	Outback	3.6L	non-Turbo	-	-	27596AL071_07B	DTC C1531, DTC C1741 (Release: April 2020)	None
BIU	2017	Impreza	2.0L	non-Turbo	CVT	-	88035FL02B_key	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	None
BIU	2018	Impreza	2.0L	non-Turbo	CVT	-	88035FL02B_key	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	None
BIU	2017	Impreza	2.0L	non-Turbo	CVT	-	88035FL02B_smt	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	None
BIU	2018	Impreza	2.0L	non-Turbo	CVT	-	88035FL02B_smt	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	None
BIU	2018	XV Crosstrek	2.0L	non-Turbo	CVT	-	88035FL021_key	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	None
BIU	2018	XV Crosstrek	2.0L	non-Turbo	CVT	-	88035FL021_smt	Correction for TPMS tire pressures shown in combination meter display (Release: January 2018)	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

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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
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
BIU	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	82201SJ901-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.0L	Turbo	CVT	FED CAL	82201SJ901-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	82201SJ401-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.0L	Turbo	CVT	FED CAL	82201SJ401-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.5L	non-Turbo	CVT	CANADA	82201SJ501-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.0L	Turbo	CVT	CANADA	82201SJ501-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	82201SJ901-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None

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BIU	2020	Forester	2.0L	Turbo	CVT	FED CAL	82201SJ901-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	82201SJ401-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2020	Forester	2.0L	Turbo	CVT	FED CAL	82201SJ401-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2020	Forester	2.5L	non-Turbo	CVT	CANADA	82201SJ501-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2020	Forester	2.0L	Turbo	CVT	CANADA	82201SJ501-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	82201XC20B-1	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	82201XC00B-2	Improve the logic of the unlocking operation in the auto-lock function (Release: April 2020)	None
BIU	2019	ASCENT	2.4L	Turbo	CVT	CANADA	82201XC10B-1	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 (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Outback	2.5L	non-Turbo	CVT	FED CAL	30919AF66C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AF832	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AF842	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Impreza	2.0L	non-Turbo	CVT	CAL	30919AG31C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Impreza	2.0L	non-Turbo	CVT	FED CAL	30919AG32C	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	30919AF212	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	30919AF132	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
ECM	2018	WRX	2.0L	Turbo	MT	FED CAL	22765AL003	Improvement for startability and idle stability at low temperatures (Release: January 2020), Correction of P0852 diagnosis logic.	None
ECM	2018	WRX	2.0L	Turbo	CVT	FED CAL	22765AL012	Improvement for startability and idle stability at low temperatures (Release: January 2020), Correction of P0852 diagnosis logic.	None
ECM	2019	WRX	2.0L	Turbo	MT	FED CAL	22765AM552	Improvement for startability and idle stability at low temperatures (Release: January 2020)	None
ECM	2019	WRX	2.0L	Turbo	CVT	FED CAL	22765AM562	Improvement for startability and idle stability at low temperatures (Release: January 2020)	None
ECM	2020	WRX	2.0L	Turbo	MT	FED CAL	22765AN622	Improvement for startability and idle stability at low temperatures (Release: January 2020)	None
ECM	2020	WRX	2.0L	Turbo	CVT	FED CAL	22765AN632	Improvement for startability and idle stability at low temperatures (Release: January 2020)	None
VDC	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	27536FL00B	Correction of VDC FFD shown on SSM. (Release: January 2018)	None
VDC	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	27536FL01B	Correction of VDC FFD shown on SSM. (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

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HPCM	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	29320AA031	New DTC P1COA Engine Restart Battery Low Voltage. (Release: April 2018)	None
BECU	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ001_US	POA7E Temp Range Correction (Release: November 2018)	None
BECU	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ011_US	POA7E Temp Range Correction (Release: November 2018)	None
BECU	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ011_US	POA7E Temp Range Correction (Release: November 2018)	None
BECU	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	82002FJ011_US	POA7E 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	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
TCM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AG022	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AG022	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AG032	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AG022	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	30919AG032	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2020	WRX	2.0L	Turbo	CVT	FED CAL	30919AH821	Improved diagnosis of P0730 (Release: July 2020)	None
TCM	2020	ASCENT	2.4L	Turbo	CVT	FED CAL	30919AH13D	Improved diagnosis of P0730 (Release: July 2020)	None
TCM	2020	ASCENT	2.4L	Turbo	CVT	FED CAL	30919AH14D	Improved diagnosis of P0730 (Release: July 2020)	None
VDC	2015	WRX	2.0L	Turbo	CVT	FED CAL	27596VA015	DTC C1531, DTC C1741 (Release: Apr 2019)	None
VDC	2016	WRX	2.0L	Turbo	CVT	FED CAL	27596VA034_VER1	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	WRX	2.0L	Turbo	CVT	FED CAL	27596VA074_VER1	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	WRX	2.0L	Turbo	CVT	FED CAL	27596VA102	DTC C1531, DTC C1741 (Release: April 2020)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	98401SJ011	DTC B112C, DTC B112E(Release: Apr 2019)	None
DMS	2020	Legacy	2.4L	Turbo	CVT	FED CAL	98401AN00Ato00B-1	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Legacy	2.4L	Turbo	CVT	FED CAL	98401AN00Ato00B-2	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	98401AN00Ato00B-1	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	98401AN00Ato00B-2	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.4L	Turbo	CVT	FED CAL	98401AN00Ato00B-1	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.4L	Turbo	CVT	FED CAL	98401AN00Ato00B-2	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	98401AN00Ato00B-1	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	98401AN00Ato00B-2	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
ECM	2020	Legacy	2.4L	Turbo	CVT	FED CAL	22765AM972	<Service Campaign WUU-06>Improvement for C1424 set (Release: Nov. 2019), and Improves relay performance in cold temperatures	None
ECM	2020	Outback	2.4L	Turbo	CVT	FED CAL	22765AM972	<Service Campaign WUU-06>Improvement for C1424 set (Release: Nov. 2019), and Improves relay performance in cold temperatures	None
ECM	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	22765AL735	<Service Campaign WUU-06>Improvement for C1424 set (Release: Nov. 2019), and Improves relay performance in cold temperatures(Release: Nov. 2019). P1604 set as a result of long engine cranking (Release: Oct. 2019), Improvement to misfire feeling while driv	None
ECM	2020	ASCENT	2.4L	Turbo	CVT	FED CAL	22765AN502	<Service Campaign WUU-06>Improvement for C1424 set (Release: Nov. 2019), and Improves relay performance in cold temperatures(Release: Nov. 2019). P1604 set as a result of long engine cranking (Release: Oct. 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
TCM	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	30919AF98C	<Service Campaign WUV-07> Improvement for CVT chain slip prevention (Release: Nov. 2019)	None
TCM	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	30919AF99C	<Service Campaign WUV-07> Improvement for CVT chain slip prevention (Release: Nov. 2019)	None
ECM	2020	Impreza	2.0L	non-Turbo	MT	FED CAL	22765AP12B	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	Impreza	2.0L	non-Turbo	CVT	FED CAL	22765AP14B	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	Impreza	2.0L	non-Turbo	MT	FED CAL	22765AP11B	Improves relay performance in cold temperatures (Release: January 2020)	None

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ECM	2020	Impreza	2.0L	non-Turbo	CVT	FED CAL	22765AP13B	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	XV Crosstrek	2.0L	non-Turbo	MT	FED CAL	22765AN931	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	22765AN951	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	22765AN20B	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	22765AP54B	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	22765AL822	DTC P0400 set during colder temperatures (Release: April 2018), Improves relay performance in cold temperatures, Improvement for surge felt while driving uphill using cruise control at high altitude, Improvement of misfire feeling upon initial accelerati	None
ECM	2016	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	22765AH771	DTC P0400 set during colder temperatures (Release: January 2020)	None