

Reprogramming J-2534

January 2022 Version

Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	AT	CAL	<Service Campaign WQD-40 only>	None
ECM	---	z WQD40 z	z WQD40 z	z WQD40 z	MT	CAL	<Service Campaign WQD-40 only>	None
ECM	2000	Legacy	2.5L	non-Turbo	AT	FED CAL	P0172 P0065 P0031 P0130 P1133	None
ECM	2000	Outback	2.5L	non-Turbo	AT	FED CAL	P0172 P0065 P0031 P0130 P1133	None
ECM	2000	Legacy	2.5L	non-Turbo	MT	FED CAL	P1507 P0172 P0065 P0031 P0130 P1133	None
ECM	2001	Legacy	2.5L	non-Turbo	MT	FED CAL	P1507 P0172 P0065 P0031 P0130 P1133	None
ECM	2000	Outback	2.5L	non-Turbo	MT	FED CAL	P1507 P0172 P0065 P0031 P0130 P1133	None
ECM	2001	Legacy	2.5L	non-Turbo	AT	FED CAL	P0172 P0065 P1443 P0172 Hesitation After burn Pinging P0031 P0130 P1133	None
ECM	2001	Outback	2.5L	non-Turbo	AT	FED CAL	P0172 P0065 P1443 P0172 Hesitation After burn Pinging P0031 P0130 P1133	None
ECM	2001	Outback	3.0L	non-Turbo	AT	FED CAL	Long cranking hesitation Hard start(Step 2) Hard start(Step 1) P0464	E/G-1
ECM	2002	Legacy	2.5L	non-Turbo	MT AT	FED CAL	P0172 P0065 P1443 P0172 Hesitation After burn P1445 P0065	E/G-2
ECM	2002	Outback	2.5L	non-Turbo	MT AT	FED CAL	P0172 P0065 P1443 P0172 Hesitation After burn P1445 P0065	E/G-2
ECM	2002	Outback	3.0L	non-Turbo	AT	FED CAL	Long cranking hesitation P030X	E/G-2
ECM	2003	Legacy	2.5L	non-Turbo	MT AT	FED CAL	P0172 Hard start with open throttle P030X P0172 Hesitation	None
ECM	2003	Outback	2.5L	non-Turbo	MT AT	FED CAL	P0172 Hard start with open throttle P030X P0172 Hesitation	None
ECM	2003	Baja	2.5L	non-Turbo	MT AT	FED CAL	P0172 Hard start with open throttle P030X P0172 Hesitation	None
ECM	2003	Outback	3.0L	non-Turbo	AT	FED CAL	Long cranking hesitation	E/G-2
ECM	2004	Legacy	2.5L	non-Turbo	MT AT	FED	P0139 P0464 P0172	None
ECM	2004	Outback	2.5L	non-Turbo	MT AT	FED	P0139 P0464 P0172	None
ECM	2004	Baja	2.5L	non-Turbo	MT AT	FED	P0139 P0464 P0172	None
ECM	2004	Legacy	2.5L	non-Turbo	MT	CAL	Service Campaign WWX-08	None
ECM	2004	Outback	2.5L	non-Turbo	MT	CAL	Service Campaign WWX-08	None
ECM	2004	Legacy	2.5L	non-Turbo	AT	CAL	Service Campaign WWX-08	None
ECM	2004	Outback	2.5L	non-Turbo	AT	CAL	Service Campaign WWX-08	None
ECM	2004	Outback	3.0L	non-Turbo	AT	FED CAL	Long cranking hesitation	E/G-2
ECM	2005	Baja	2.5L	Turbo	MT	FED CAL	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	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	P0139 P0464	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	FED	Cruise control switch shuts off Surge on downhill P1160 P2097	None
ECM	2005	Outback	2.5L	non-Turbo	MT	FED	Cruise control switch shuts off Surge on downhill P1160 P2097	None
ECM	2005	Legacy	2.5L	non-Turbo	MT	CAL	<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	<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	Surge on downhill while cruise control is operating P2097 P1160	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	FED	Surge on downhill while cruise control is operating P2097 P1160	None
ECM	2005	Outback	2.5L	non-Turbo	AT	CAL	<Service Campaign WVH-18 WVI-19> Surge on downhill P2097 P1160 (Release: June 2009)	None
ECM	2005	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVH-18 WVI-19> Surge on downhill P2097 P1160 (Release: June 2009)	None
ECM	2005	Legacy	2.5L	Turbo	MT	FED CAL	Cruise control intermittently shuts off Surge during moderate acceleration P2097 P1160	None
ECM	2005	Legacy	2.5L	Turbo	AT	FED CAL	P2097 Surge during moderate acceleration P1160	None
ECM	2005	Outback	2.5L	Turbo	MT	FED CAL	Cruise control intermittently shuts off P2097 Surge during moderate acceleration P1160	None
ECM	2005	Outback	2.5L	Turbo	AT	FED CAL	P2097 Surge during moderate acceleration P1160	None
ECM	2006	Baja	2.5L	non-Turbo	MT AT	FED CAL	P0139 P0137	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> High idling P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> High idling P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> <WVM-23> High idling P0607 (Release: March 2011)	None
ECM	2006	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <WVM-23> P0607 (Release: March 2011)	None
ECM	2006	Outback	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <WVM-23> P0607 (Release: March 2011)	None
ECM	2007	Legacy	2.5L	Turbo	5MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Legacy	2.5L	Turbo	6MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Outback	2.5L	Turbo	MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2007	Legacy	2.5L	Turbo	AT	FED CAL	VDC Warning Light erroneously illuminates	None
ECM	2007	Outback	2.5L	Turbo	AT	FED CAL	VDC Warning Light erroneously illuminates	None
ECM	2007	Legacy	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Legacy	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2007	Outback	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> <WVM-23> (Release: April 2011)	None
ECM	2008	Legacy	2.5L	Turbo	5MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Outback	2.5L	Turbo	5MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Legacy	2.5L	Turbo	6MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2009	Legacy	2.5L	Turbo	6MT	FED CAL	Hesitation at 3000-4000 rpm during acceleration	None
ECM	2008	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> <Service Campaign WVM-23> (Release: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	MT	CAL	<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	<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	<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	<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	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2009	Legacy	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2008	Outback	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2009	Outback	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2008	Legacy	2.5L	non-Turbo	MT	FED	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	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	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	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	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	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	MT	CAL	<Service Campaign WVU-31> (Release: May 2011) Engine rpm drops below idle speed when clutch pedal depressed	None
ECM	2010	Legacy	2.5L	non-Turbo	CVT	FED	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	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	MT	FED CAL	<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	<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	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	FED	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Outback	3.6L	non-Turbo	AT	FED	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2010	Legacy	3.6L	non-Turbo	AT	CAL	Delay of acceleration feeling after depressing gas pedal (Release: November 2009)	None
ECM	2011	Outback	2.5L	non-Turbo	MT	CAL	<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	<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	<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	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Outback	2.5L	Turbo	MT	FED CAL	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Legacy	2.5L	non-Turbo	CVT	CAL	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	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	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	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	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	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	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	CAL	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	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	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	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	Outback	2.5L	non-Turbo	CVT	FED	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	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	FED	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	FED	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	FED	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Legacy	3.6L	non-Turbo	AT	CAL	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2011	Outback	3.6L	non-Turbo	AT	CAL	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012)	None
ECM	2012	Outback	2.5L	non-Turbo	MT	CAL	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	CAL	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	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	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	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	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	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	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	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	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Outback	3.6L	non-Turbo	AT	CAL	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Legacy	3.6L	non-Turbo	AT	FED	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Outback	3.6L	non-Turbo	AT	FED	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2012	Outback	3.6L	non-Turbo	AT	CAL	OBDII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	2013	Legacy	3.6L	non-Turbo	AT	CAL	P0341 P0346 (Release: July 2012)	None
ECM	2013	Outback	3.6L	non-Turbo	AT	CAL	P0341 P0346 (Release: July 2012)	None
ECM	2013	Legacy	2.5L	non-Turbo	CVT	CAL	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	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	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	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	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	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	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	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	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	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	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	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	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

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ECM	2019	Legacy	2.5L	non-Turbo	CVT	CAL	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	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	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures	None
ECM	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures	None
ECM	2019	Legacy	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures	None
ECM	2019	Outback	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, DTC P0400 set during colder temperatures	None
ECM	2015	Legacy	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021) Improves Relay Performance in Cold Temperatures 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	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021) Improves Relay Performance in Cold Temperatures 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	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021)	None
ECM	2006	Tribeca	3.0L	non-Turbo	AT	FED CAL	P0607 (Throttle control system)	None
ECM	2008	Tribeca	3.6L	non-Turbo	AT	FED CAL	ECU logic change due to cylinder block modification	None
ECM	2011	Tribeca	3.6L	non-Turbo	AT	FED CAL	OBDIII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: October 2012) P0128	None
ECM	2012	Tribeca	3.6L	non-Turbo	AT	FED CAL	OBDIII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> (Release: November 2012) P0456	None
ECM	1999	Impreza	2.2L	non-Turbo	MT	FED CAL	P1507	None
ECM	2000	Impreza	2.2L	non-Turbo	MT	FED CAL	P1507	None
ECM	2001	Impreza	2.2L	non-Turbo	MT	FED CAL	P1507	None
ECM	2000	Impreza	2.5L	non-Turbo	MT AT	FED CAL	P0031 P0130 P1133 Back fire P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2001	Impreza	2.5L	non-Turbo	MT AT	FED CAL	P0031 P0130 P1133 Back fire P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2002	Impreza	2.5L	non-Turbo	MT AT	FED CAL	P0031 P0130 P1133 P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2002	Impreza	2.0L	Turbo	MT	FED CAL	P1443 P0457 P0340 P030X Pinging P030X(Step1) P030X(Step2)	E/G-1
ECM	2002	Impreza	2.0L	Turbo	MT AT	FED CAL	P030X(Step2)	E/G-1
ECM	2002	Impreza	2.0L	Turbo	AT	FED CAL	P1443 P0457 P0340 Pinging P030X	E/G-1
ECM	2003	Impreza	2.0L	Turbo	MT	FED CAL	P030X(Step1) P030X(Step2)	E/G-2
ECM	2003	Impreza	2.5L	non-Turbo	MT AT	FED CAL	Hesitation(Step1) P0172 Hesitation(Step2) P030X Hard start with open throttle P0172	E/G-2
ECM	2004	Impreza	2.0L	Turbo	MT	FED CAL	P030X(Step1) P030X(Step2) P0139 Spark Knock	E/G-2
ECM	2004	Impreza	2.0L	Turbo	AT	FED CAL	P0139 Spark Knock	E/G-2
ECM	2004	Impreza	2.5L	Turbo	MT	FED CAL	Pinging P0139	None
ECM	2004	Impreza	2.5L	non-Turbo	MT AT	FED CAL	P0172 Hard start with open throttle P2097 P0139	None
ECM	2005	Impreza	2.5L	non-Turbo	AT	FED CAL	P1160 P2097	None
ECM	2005	Impreza	2.5L	non-Turbo	MT	FED CAL	P1160 P2097	None
ECM	2005	Impreza	2.0L	Turbo	MT	FED CAL	Spark Knock at around 5000rpm on full throttle acceleration	E/G-2
ECM	2006	Impreza	2.5L	non-Turbo	AT	FED CAL	<Service Campaign WVU-31> (Release: March 2011) P0607	None
ECM	2006	Impreza	2.5L	non-Turbo	MT	FED CAL	<Service Campaign WVU-31> (Release: March 2011) High idling P0607 ETC coasting surge	None
ECM	2006	Impreza	2.5L	Turbo	MT	FED CAL	P0607 (Throttle control system)	None
ECM	2006	Impreza	2.5L	Turbo	AT	FED CAL	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	non-Turbo	MT	FED CAL	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2007	Impreza	2.5L	non-Turbo	AT	FED CAL	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Impreza	2.5L	Turbo	MT	FED CAL	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	Turbo	AT	FED CAL	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	Turbo	AT	FED CAL	Code P030* (Misfiring during engine warm up at 1600-1900 rpm)	None
ECM	2007	Impreza	2.5L	Turbo	6MT	FED CAL	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	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	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2009	Impreza	2.5L	non-Turbo	AT	FED CAL	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2008	Impreza	2.5L	non-Turbo	MT	FED CAL	<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	non-Turbo	MT	FED CAL	<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	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	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2010	Impreza	2.5L	non-Turbo	MT	FED CAL	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2010	Impreza	2.5L	Turbo	5MT	FED CAL	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	<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	<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	OBDIII 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	P050A (Release: October 2013) OBDIII Thermostat Monitoring <Service Campaign WQC-39 for CAL states> P0128	None
ECM	2011	Impreza	2.5L	Turbo	6MT	FED CAL	<Service Campaign WVT-30> Revise A/F sensor protection logic update (Release: August 2010)	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2011	Impreza	2.5L	Turbo	5MT	FED CAL	<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	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	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	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	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	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	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	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	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	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	Extended engine cranking (Release: July 2015) Improve the accuracy of oil level detection P0017 P0019	None
ECM	2013	Impreza	2.0L	non-Turbo	MT	FED	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	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2013	Impreza	2.5L	Turbo	6MT	FED CAL	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	FED	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	Impreza	2.0L	non-Turbo	MT	CAL	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	Impreza	2.5L	Turbo	5MT	FED CAL	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2014	Impreza	2.5L	Turbo	6MT	FED CAL	P0341 P0346 at high engine rpm (Release: January 2014)	None
ECM	2014	Impreza	2.0L	non-Turbo	CVT	FED	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	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	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	Impreza	2.0L	non-Turbo	CVT	CAL	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2013	XV Crosstrek	2.0L	non-Turbo	CVT	FED	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	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	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	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	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	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	Extended engine cranking (Release: April 2015) Improve the accuracy of oil level detection	None
ECM	2014	XV Crosstrek	2.0L	non-Turbo	MT	CAL	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	Improve the accuracy of oil level detection (Release: October 2014)	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	MT	CAL	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	CAL	DTC P0400 set during colder temperatures (Release: January 2020), Extended engine cranking	None
ECM	2015	XV Hybrid	2.0L	non-Turbo	CVT	CAL	DTC P0400 set during colder temperatures (Release: January 2020)	None
ECM	2015	WRX	2.0L	Turbo	MT	FED CAL	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures, Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270 <Service Campaign WQW-58>, P0300, Improvement of knock control, P0420, P2610, P0134, P0606	None
ECM	2015	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270 <Service Campaign WQW-58>, P0300, Improvement of knock control, P0420, P2610, P0134, P0606	None
ECM	2021	WRX	2.0L	Turbo	6MT	FED CAL	Improvement for incorrect tracking data display when using General Scan Tool (GST) (Release: October 2021)	None
ECM	2021	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for incorrect tracking data display when using General Scan Tool (GST) (Release: October 2021)	None
ECM	2015	WRX	2.5L	Turbo	6MT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Loss of boost at high ambient temperature	None
ECM	2016	WRX	2.5L	Turbo	6MT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Loss of boost at high ambient temperature, Misfire reduction at extreme low fuel levels Idle drop	None
ECM	2000	Forester	2.5L	non-Turbo	MT	FED CAL	P0031 P0130 P1133 Back fire P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2000	Forester	2.5L	non-Turbo	AT	FED CAL	P0031 P0130 P1133 Back fire P1445 P0065 Pinging P0172 Hesitation P1443 P0172 P0065	None
ECM	2001	Forester	2.5L	non-Turbo	MT	FED CAL	P0031 P0130 P1133 P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2001	Forester	2.5L	non-Turbo	AT	FED CAL	P1133 P1490 P0031 P0130 P1133 P1445 P0065 Pinging P0172 Hesitation P1443 P0172 P0065	None
ECM	2002	Forester	2.5L	non-Turbo	MT	FED CAL	P0031 P0130 P1133 P1445 P0065 Pinging After burn P0172 Hesitation P1443 P0172 P0065	None
ECM	2002	Forester	2.5L	non-Turbo	AT	FED CAL	P1133 P1490 P0031 P0130 P1133 P1445 P0065 Pinging P0172 Hesitation P1443 P0172 P0065	None
ECM	2003	Forester	2.5L	non-Turbo	MT AT	FED CAL	Hesitation(Step1) P0172 Hesitation(Step2) P030X Rough idle at cold temp P0172	E/G-2
ECM	2004	Forester	2.5L	non-Turbo	MT AT	FED CAL	P0172 P0139	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2004	Forester	2.5L	Turbo	AT	FED CAL	Rough idle after cold soak in high altitude area	None
ECM	2004	Forester	2.5L	Turbo	MT	FED CAL	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	P1160 P2097	None
ECM	2005	Forester	2.5L	non-Turbo	AT	FED CAL	P1160 P2097	None
ECM	2005	Forester	2.5L	Turbo	AT	FED CAL	Rough idle after cold soak in high altitude area P1160	None
ECM	2005	Forester	2.5L	Turbo	MT	FED CAL	Rough idle after cold soak in high altitude area P1160	None
ECM	2006	Forester	2.5L	non-Turbo	AT	FED CAL	<Service Campaign WVU-31> (Release: March 2011) P2097 Hesitation P0607	None
ECM	2006	Forester	2.5L	non-Turbo	MT	FED CAL	<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	P0607 (Throttle control system)	None
ECM	2007	Forester	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2007	Forester	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2007	Forester	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: April 2011)	None
ECM	2007	Forester	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2008	Forester	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> (Release: April 2011) ETC coasting surge	None
ECM	2008	Forester	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> (Release: June 2011) <Service Campaign WVM-23 & WVN-24>	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CAL	<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	<Service Campaign WVU-31> (Release: June 2011)	None
ECM	2008	Forester	2.5L	non-Turbo	MT	CANADA	<Service Campaign WVU-31> (Release: June 2011) ETC coasting surge at very slight throttle	None
ECM	2009	Forester	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> (Release: April 2011) <WVM-23 WVN-24>	None
ECM	2009	Forester	2.5L	non-Turbo	MT	CAL	<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	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2009	Forester	2.5L	non-Turbo	MT	FED	<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	2010	Forester	2.5L	non-Turbo	AT	CAL	<Service Campaign WVU-31> (Release: May 2011) <WVM-23 & WVN-24>	None
ECM	2010	Forester	2.5L	non-Turbo	MT	CAL	<Service Campaign WVU-31> (Release: May 2011) <WVM-23 & WVN-24>	None
ECM	2010	Forester	2.5L	non-Turbo	AT	FED	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2010	Forester	2.5L	non-Turbo	MT	FED	<Service Campaign WVU-31> (Release: May 2011)	None
ECM	2011	Forester	2.5L	Turbo	AT	FED CAL	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	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	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	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	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	CAL	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	AT	CAL	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	MT	CAL	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	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	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	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	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	MT	CAL	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	non-Turbo	AT	FED	Extended engine cranking (Release: November 2014)	None
ECM	2013	Forester	2.5L	Turbo	AT	FED CAL	P0341 P0346 at high engine rpm (Release: January 2014) P050A	None
ECM	2014	Forester	2.5L	non-Turbo	MT	FED	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	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	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	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	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 felt during acceleration	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2015	Forester	2.0L	Turbo	CVT	FED, CAL	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 felt during acceleration	None
ECM	2016	Forester	2.0L	Turbo	CVT	FED, CAL	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, Improvement for hesitation felt when accelerating, HVAC blower speed variation improvement, Spark knocking at high air intake temperature, Surge felt during acceleration	None
ECM	2015	Forester	2.5L	non-Turbo	MT	FED	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	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	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	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	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	2013	BRZ	2.0L	non-Turbo	MT	FED CAL	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	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	Improve idle stability following AC compressor off and extended engine cranking (Release: January 2014)	None
ECM	2016	WRX	2.0L	Turbo	MT	FED CAL	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures, 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	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature, P2270	None
ECM	2016	Impreza	2.0L	non-Turbo	MT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	Impreza	2.0L	non-Turbo	CVT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	Crosstrek	2.0L	non-Turbo	MT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2016	Crosstrek	2.0L	non-Turbo	CVT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	Crosstrek	2.0L	non-Turbo	MT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	Crosstrek	2.0L	non-Turbo	CVT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020),	None
ECM	2017	Forester	2.5L	non-Turbo	MT	CANADA	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	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	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	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	DTC P0400 set during colder temperatures (Release: January 2020), Reduce engine rpm hold time when clutch depressed	None
ECM	2018	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020), Surge under light acceleration	None
ECM	2017	Legacy	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, Enhanced charging logic for improved battery life P013F P014B	None
ECM	2017	Outback	3.6L	non-Turbo	CVT	FED CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, Enhanced charging logic for improved battery life P013F P014B	None
ECM	2017	WRX	2.5L	Turbo	MT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), DTC P0300 during stop/go driving, P013F	None
ECM	2018	WRX	2.5L	Turbo	MT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), DTC P0300 during stop/go driving	None
ECM	2019	WRX	2.5L	Turbo	MT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021)	None
ECM	2020	WRX	2.5L	Turbo	MT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021)	None
ECM	2017	Forester	2.0L	Turbo	CVT	FED, CAL	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, 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	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, Improvement for hesitation felt when accelerating.	None
ECM	2017	WRX	2.0L	Turbo	MT	FED CAL	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures, Enhanced charging logic for improved battery life, Spark knocking at high air intake temperature	None
ECM	2017	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for P015A and P015B set during stop and go driving with stabbing ON/OFF acceleration (Release: July 2021), Improvement for startability and idle stability at low temperatures, 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	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None
ECM	2017	Impreza	2.0L	non-Turbo	MT	FED, CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None
ECM	2017	Impreza	2.0L	non-Turbo	CVT	FED, CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None
ECM	2018	Impreza	2.0L	non-Turbo	MT	FED, CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None
ECM	2018	Impreza	2.0L	non-Turbo	CVT	FED, CAL	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 prevent rpm drop while stopping, WTP-75, P060A, Enhanced charging logic for improved battery life, P05A0	None
ECM	2018	Crosstrek	2.0L	non-Turbo	MT	FED, CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Enhanced logic to prevent rpm drop while stopping, P060A and enhanced logic to prevent rpm drop while stopping	None
ECM	2018	Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, <WTT-79> Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Impreza	2.0L	non-Turbo	MT	FED, CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Impreza	2.0L	non-Turbo	CVT	FED, CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Crosstrek	2.0L	non-Turbo	MT	FED, CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Crosstrek	2.0L	non-Turbo	CVT	FED, CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, <Service Campaign WUQ-02> Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*, Correction for mileage display inaccuracy when using GST, Enhanced logic to prevent rpm drop while stopping	None
ECM	2019	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED, CAL	Improved diagnosis of P015A and P015B (Release: January 2021), Enhanced Diagnosis for DTC P219C,D,E and F, Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030*	None
ECM	2019	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED, CAL	Improved diagnosis of P015A and P015B (Release: January 2021)	None
ECM	2016	Forester	2.5L	non-Turbo	MT	FED	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	FED	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	MT	CAL	DTC P0400 set during colder temperatures (Release: January 2020), HVAC blower speed variation improvement	None
ECM	2016	Forester	2.5L	non-Turbo	CVT	CAL	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	Improvement for P0128 diagnosis when coolant temperature decreases due to extended engine braking (Release: July 2021), Improves relay performance in cold temperatures, Improvement for surge felt while driving uphill using cruise control at high altitude	None
ECM	2021	Forester	2.5L	non-Turbo	CVT	FED, CAL	Improvement for P0128 diagnosis when coolant temperature decreases due to extended engine braking (Release: July 2021)	None
ECM	2016	Legacy	3.6L	non-Turbo	CVT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, Enhanced charging logic for improved battery life	None
ECM	2016	Outback	3.6L	non-Turbo	CVT	FED, CAL	Reduction of failsafe no start when P0116 is triggered by block heater (Release: January 2021), Improves Relay Performance in Cold Temperatures, Enhanced charging logic for improved battery life	None
TCM	2002	Legacy	2.5L	non-Turbo	AT	FED, CAL	Code45	AT
TCM	2002	Outback	2.5L	non-Turbo	AT	FED, CAL	Code45	AT
TCM	2003	Legacy	2.5L	non-Turbo	AT	FED, CAL	Code45	AT
TCM	2003	Outback	2.5L	non-Turbo	AT	FED, CAL	Code45	AT

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TCM	2003	Baja	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Legacy	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Outback	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Baja	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Baja	2.5L	Turbo	AT	FED CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold	AT
TCM	2005	Legacy	2.5L	non-Turbo	AT	FED	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Outback	2.5L	non-Turbo	AT	FED	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Legacy	2.5L	non-Turbo	AT	CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Outback	2.5L	non-Turbo	AT	CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Legacy	2.5L	Turbo	AT	FED CAL	P1799 P0771	None
TCM	2005	Outback	2.5L	Turbo	AT	FED CAL	P1799 P0771	None
TCM	2005	Outback	3.0L	non-Turbo	AT	FED CAL	P1799 P0771 Auto Up-shift" control in Manual mode"	None
TCM	2008	Legacy	2.5L	Turbo	AT	FED CAL	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	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	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	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	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	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	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	3.0L	non-Turbo	AT	FED CAL	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	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	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	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	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	Improved oil pressure control (Release: Jan 2015)	None
TCM	2012	Outback	2.5L	non-Turbo	CVT	FED CAL	Improved oil pressure control (Release: Jan 2015)	None
TCM	2010	Legacy	3.6L	non-Turbo	AT	FED CAL	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	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	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	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	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	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	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	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	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	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	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	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	Upshift shock 1 to 2 and 2 to 3 when engine is cold	None
TCM	2007	Tribeca	3.0L	non-Turbo	AT	FED CAL	Upshift shock 1 to 2 and 2 to 3 when engine is cold	None
TCM	2008	Tribeca	3.6L	non-Turbo	AT	FED CAL	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	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	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	2011	Tribeca	3.6L	non-Turbo	AT	FED CAL	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	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	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	2003	Impreza	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Impreza	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2005	Impreza	2.5L	non-Turbo	AT	FED CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold.	None
TCM	2012	Impreza	2.0L	non-Turbo	CVT	FED CAL	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	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	Erratic shifting/slipping of the CVT under moderate acceleration when cold (Release: Jan 2016)	None
TCM	2003	Forester	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Forester	2.5L	non-Turbo	AT	FED CAL	Code45	AT
TCM	2004	Forester	2.5L	Turbo	AT	FED CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2005	Forester	2.5L	non-Turbo	AT	FED CAL	Downshift shock 4 to 3 and 3 to 2 when engine is cold	None
TCM	2011	Forester	2.5L	non-Turbo	AT	FED CAL	Downshift shock 3 to 2 and Upshift shock 1 to 2 (Release: January 2011)	None
TCM	2011	Forester	2.5L	Turbo	AT	FED CAL	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	Idle fluctuation in P and N range (Release: Jul 2015)	None
TCM	2016	BRZ	2.0L	non-Turbo	AT	FED CAL	Idle fluctuation in P and N range (Release: Jul 2015)	None
TCM	2017	Outback	2.5L	non-Turbo	CVT	FED CAL	Bump felt while idling in Drive (Release: Jan 2017) Improve rear wheel traction when turning.	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	CAL	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Forester	2.5L	non-Turbo	CVT	FED	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Forester	2.0L	Turbo	CVT	FED CAL	Improve rear wheel traction when turning.(Release: Oct 2016)	None
TCM	2017	Legacy	2.5L	non-Turbo	CVT	FED CAL	Bump felt while idling in Drive (Release: Jan 2017)	None
TCM	2015	Forester	2.5L	non-Turbo	CVT	FED CAL	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Forester	2.0L	Turbo	CVT	FED	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Impreza	2.0L	non-Turbo	CVT	FED CAL	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	XV Crosstrek	2.0L	non-Turbo	CVT	FED CAL	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Legacy	3.6L	non-Turbo	CVT	FED	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	Outback	3.6L	non-Turbo	CVT	FED	Improved oil pressure control (Release: Jan 2017)	None
TCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	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	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED CAL	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	Traction distribution when steering is turning. (Release: Feb 2017)	None
TCM	2022	Outback	2.4L	Turbo	CVT	FED CAL	Improvement to diagnosis for P0871 preventing false DTC resulting from CVT manufacturing tolerance stack (Release: October 2021)	None
BIU	2016	WRX	2.0L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.0L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
BIU	2016	WRX	2.5L	Turbo	-	-	To add Keyless Buzzer Vol. Adjustment (Release: October 2015)	None
CAMERA	2015	Legacy	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	None
CAMERA	2015	Legacy	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	None
CAMERA	2015	Outback	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	None
CAMERA	2015	Outback	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	None
CAMERA	2015	Impreza	2.0L	non-Turbo	-	-	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	-	-	Improvement for false B280B set when using adaptive cruise(Release: July 2019), <Service Campaign WQS-54>	None
CAMERA	2016	WRX	2.0L	Turbo	-	-	Eyesight camera to allow registration after camera initialization process (Release: October 2015), <Service Campaign WQS-54>	None
CAMERA	2018	Crosstrek	2.0L	non-Turbo	-	-	Lane departure system defaults to ON after ignition cycle (Release: October 2017)	None
CAMERA	2012	Legacy	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Outback	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Legacy	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2012	Outback	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: April 2020)	None
CAMERA	2013	Legacy	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Outback	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Legacy	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Outback	2.5L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Legacy	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2013	Outback	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Legacy	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
CAMERA	2014	Outback	3.6L	non-Turbo	-	-	Improvement for false B280B set when using adaptive cruise (Release: January 2020)	None
RCR	2021	Crosstrek	2.0L	non-Turbo	-	-	U0162 resulting from vehicle type mismatch due to communications time out (Release: January 2022)	None
RCR	2020	Forester	2.5L	non-Turbo	-	-	U0162 resulting from vehicle type mismatch due to communications time out (Release: January 2022)	None
RCR	2021	Forester	2.5L	non-Turbo	-	-	U0162 resulting from vehicle type mismatch due to communications time out (Release: January 2022)	None
RCR	2022	Forester	2.5L	non-Turbo	-	-	U0162 resulting from vehicle type mismatch due to communications time out (Release: January 2022)	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
DMCM	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	Fail safe logic enhancement to prevent over current to hybrid motor (Release : April 2018) P0604 POA78 U0110 POCDD POA3F	None
DMCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	Fail safe logic enhancement to prevent over current to hybrid motor (Release : April 2018) P0604	None
DMCM	2016	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED CAL	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	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Legacy	2.5L	Turbo	MT	FED CAL	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Legacy	3.6L	non-Turbo	AT	FED CAL	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Outback	2.5L	non-Turbo	MT CVT	FED CAL	C0251(Actuator system) in EPB system (Release: September 2009)	None
EPB	2010	Outback	3.6L	non-Turbo	AT	FED CAL	C0251(Actuator system) in EPB system (Release: September 2009)	None
DCM	2016	Legacy	2.5L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Legacy	3.6L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Outback	2.5L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Outback	3.6L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Forester	2.5L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Forester	2.0L	Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Impreza	2.0L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Crosstrek	2.0L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2016	Crosstrek Hybrid	2.0L	non-Turbo	-	-	<Service Campaign WQZ-61> (Release: Jan 2016)	None
DCM	2019	Legacy	2.5L	non-Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2019	Legacy	3.6L	non-Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2019	Outback	2.5L	non-Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2019	Outback	3.6L	non-Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2019	WRX	2.0L	Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2019	WRX	2.5L	Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2020	WRX	2.0L	Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2020	WRX	2.5L	Turbo	-	-	Improvement for when Telematics in-call volume is louder than expected during a call using SOS or i button (Release: April. 2021)	None
DCM	2016	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Legacy	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Legacy	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Outback	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Outback	3.6L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None
DCM	2016	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2017	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2017	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020)	None
DCM	2018	Forester	2.0L	Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2018	Forester	2.5L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 2 (Release: November 2020)	None
DCM	2016	Impreza	2.0L	non-Turbo	-	-	Enhancement for telematics 3G sunset- Part 1 (Release: November 2020), <Service Campaign WQZ-61>	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
BIU	2019	Legacy	3.6L	non-Turbo	CVT	FED CAL	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	Forester	2.0L	Turbo	CVT	CANADA	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	Improve the logic of the unlocking operation in the auto-lock function (Release: Oct. 2019)	None
BIU	2019	ASCENT	2.4L	Turbo	CVT	CANADA	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	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	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	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	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	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Crosstrek	2.0L	non-Turbo	CVT	CAL	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018) Improved secondary pressure performance against P0841	None
TCM	2018	Crosstrek	2.0L	non-Turbo	CVT	FED CAL	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	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures, Correction of P0852 diagnosis logic.	None
ECM	2018	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for P0128 diagnosis when coolant temperature decreases due to extended engine braking (Release: July 2021), Improvement for startability and idle stability at low temperatures, Correction of P0852 diagnosis logic.	None
ECM	2019	WRX	2.0L	Turbo	MT	FED CAL	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures	None
ECM	2019	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for P0128 diagnosis when coolant temperature decreases due to extended engine braking (Release: July 2021), Improvement for startability and idle stability at low temperatures	None
ECM	2020	WRX	2.0L	Turbo	MT	FED CAL	Improved startability in places with high altitude and low temperature. (Release: January 2021), Improvement for startability and idle stability at low temperatures	None
ECM	2020	WRX	2.0L	Turbo	CVT	FED CAL	Improvement for startability and idle stability at low temperatures (Release: January 2020)	None
VDC	2017	Impreza	2.0L	non-Turbo	CVT	FED CAL	Correction of VDC FFD shown on SSIM. (Release: January 2018)	None
TCM	2018	Legacy	3.6L	non-Turbo	CVT	FED CAL	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018)	None
TCM	2018	Outback	3.6L	non-Turbo	CVT	FED CAL	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018)	None
TCM	2018	Forester	2.0L	Turbo	CVT	FED CAL	Correction of TCM Mode\$04 logic for Aftermarket Scan Tool (Release: April 2018)	None
TCM	2018	WRX	2.0L	Turbo	CVT	FED CAL	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	New DTC P1COA Engine Restart Battery Low Voltage. (Release: April 2018)	None
HPCM	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	New DTC P1COA Engine Restart Battery Low Voltage. (Release: April 2018)	None
HPCM	2016	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED CAL	New DTC P1COA Engine Restart Battery Low Voltage. (Release: April 2018)	None
BECU	2014	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	POA7E Temp Range Correction (Release: November 2018)	None
BECU	2015	XV Hybrid	2.0L	non-Turbo	CVT	FED CAL	POA7E Temp Range Correction (Release: November 2018)	None
BECU	2016	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED CAL	POA7E Temp Range Correction (Release: November 2018)	None
ECM	2017	BRZ	2.0L	non-Turbo	MT	FED CAL	DTC P219A/P119F at low engine temp (Release: November 2018)	None
ECM	2018	BRZ	2.0L	non-Turbo	MT	FED CAL	DTC P219A/P119F at low engine temp (Release: November 2018)	None
ECM	2019	BRZ	2.0L	non-Turbo	MT	FED CAL	DTC P219A/P119F at low engine temp (Release: November 2018)	None
TCM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	Improved diagnosis of P0730 (Release: July 2020), DTC P1518	None
TCM	2020	WRX	2.0L	Turbo	CVT	FED CAL	Improved diagnosis of P0730 (Release: July 2020)	None
TCM	2020	ASCENT	2.4L	Turbo	CVT	FED CAL	Improved diagnosis of P0730 (Release: July 2020)	None
VDC	2015	WRX	2.0L	Turbo	CVT	FED CAL	DTC C1531, DTC C1741 (Release: Apr 2019)	None
VDC	2016	WRX	2.0L	Turbo	CVT	FED CAL	DTC C1531, DTC C1741 (Release: April 2020)	None

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
VDC	2017	WRX	2.0L	Turbo	CVT	FED CAL	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2017	WRX	2.0L	Turbo	CVT	FED CAL	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2018	WRX	2.0L	Turbo	CVT	FED CAL	DTC C1531, DTC C1741 (Release: April 2020)	None
VDC	2020	Legacy	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2020	Outback	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2021	Legacy	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2021	Legacy	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2021	Outback	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2021	Outback	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2022	Legacy	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2022	Legacy	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2022	Outback	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2022	Outback	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022), Improves VDC/AVH setting control and ACC braking feel	None
VDC	2022	Outback	2.4L	Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022)	None
VDC	2022	Outback	2.5L	non-Turbo	CVT	FED CAL	EPB will not disengage due to incorrect perception of normal engine vibration by VDC (Release: January 2022)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC B112C, DTC B112E(Release: Apr 2019)	None
DMS	2020	Legacy	2.4L	Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.4L	Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release: Oct. 2019)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC B112C, DTC B112E and 1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC B112C, DTC B112E and 1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC B112C, DTC B112E and 1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	DTC B112C, DTC B112E and 1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	1st PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
DMS	2020	Forester	2.5L	non-Turbo	CVT	FED CAL	2nd PAK file for DTC B118B,B11E5,B11E6 set (Release:January 2021)	None
ECM	2020	Legacy	2.4L	Turbo	CVT	FED CAL	Improved startability in places with high altitude and low temperature (Release: July, 2021), Improved diagnosis for P1160, <Service Campaign WUU-06>improvement for C1424 set, and improves relay performance in cold temperatures	None
ECM	2020	Outback	2.4L	Turbo	CVT	FED CAL	Improved startability in places with high altitude and low temperature (Release: July, 2021), Improved diagnosis for P1160, <Service Campaign WUU-06>improvement for C1424 set, and Improves relay performance in cold temperatures	None
ECM	2021	Legacy	2.4L	Turbo	CVT	FED CAL	Improved startability in places with high altitude and low temperature (Release: July, 2021), Improved diagnosis for P1160	None
ECM	2021	Outback	2.4L	Turbo	CVT	FED CAL	Improved startability in places with high altitude and low temperature (Release: July, 2021), Improved diagnosis for P1160	None
ECM	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	Improved diagnosis for P1160 (Release: January, 2021), <Service Campaign WUU-06>Improvement for C1424 set, and Improves relay performance in cold temperatures, P1604 set as a result of long engine cranking, Improvement to misfire feeling while driving, and DTC U0122, P0045 and P2196	None
ECM	2020	ASCENT	2.4L	Turbo	CVT	FED CAL	Improved diagnosis for P1160 (Release: January, 2021), <Service Campaign WUU-06>Improvement for C1424 set and Improves relay performance in cold temperatures, P1604 set as a result of long engine cranking	None
ECM	2021	ASCENT	2.4L	Turbo	CVT	FED CAL	Improved diagnosis for P1160 (Release: January, 2021)	None
ECM	2021	Crosstrek	2.0L	non-Turbo	MT	FED CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021)	None
ECM	2021	Crosstrek	2.0L	non-Turbo	CVT	FED CAL	<Service Campaign WRH-21> Improvement for P0606 set following a sudden burst of acceleration while cruising (Release: July 2021)	None
ECM	2017	BRZ	2.0L	non-Turbo	AT	FED CAL	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2018	BRZ	2.0L	non-Turbo	AT	FED CAL	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2019	BRZ	2.0L	non-Turbo	AT	FED CAL	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
ECM	2020	BRZ	2.0L	non-Turbo	AT	FED CAL	P0300 resulting from rich condition found during cool temperatures (Release: Oct. 2019)	None
TCM	2019	ASCENT	2.4L	Turbo	CVT	FED CAL	<Service Campaign WUV-07> Improvement for CVT chain slip prevention (Release: Nov. 2019)	None

Reprogramming J-2534

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Affected_Unit	Year	Vehicle	Engine	Aspiration	Transmission	Specification	ProblemFixedHistory	Necessary connector
ECM	2020	Impreza	2.0L	non-Turbo	MT	FED CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), Improves relay performance in cold temperatures	None
ECM	2020	Impreza	2.0L	non-Turbo	CVT	FED CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), Improves relay performance in cold temperatures	None
ECM	2020	Impreza	2.0L	non-Turbo	MT	FED CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), Improves relay performance in cold temperatures	None
ECM	2020	Impreza	2.0L	non-Turbo	CVT	FED CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021), Improves relay performance in cold temperatures	None
ECM	2020	Crosstrek	2.0L	non-Turbo	MT	FED CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021), Improves relay performance in cold temperatures	None
ECM	2020	Crosstrek	2.0L	non-Turbo	CVT	FED CAL	Improves relay performance in cold temperatures (Release: January 2020)	None
ECM	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: January 2021) Improves relay performance in cold temperatures	None
ECM	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: January 2021)	None
ECM	2020	Legacy	2.5L	non-Turbo	CVT	FED CAL	Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: January 2021) Improves relay performance in cold temperatures	None
ECM	2020	Outback	2.5L	non-Turbo	CVT	FED CAL	Improvement of misfire feeling upon initial acceleration accompanied by rough idling and DTC P030* (Release: January 2021) Improves relay performance in cold temperatures	None
ECM	2021	Impreza	2.0L	non-Turbo	MT	FED CAL	improvement against mistaken knocking detection causing reduced power or hesitation. (Release: July 2021)	None
ECM	2021	Impreza	2.0L	non-Turbo	CVT	FED CAL	Improvement for starter operation sound while cranking engine. (Release: July 2021)	None
ECM	2019	Forester	2.5L	non-Turbo	CVT	FED CAL	Improvement for P0128 diagnosis when coolant temperature decreases due to extended engine braking (Release: July 2021), DTC P0400 set during colder temperatures, Improves relay performance in cold temperatures, Improvement fo-r surge felt while driving uphill using cruise control at high altitude, Improvement of misfire feeling upon initial acceleration accompanied by rough idling	None
ECM	2016	Crosstrek Hybrid	2.0L	non-Turbo	CVT	FED CAL	DTC P0400 set during colder temperatures (Release: January 2020)	None