MINI	SI M65 05 16 Audio, Navigation, Monitors, Alarms, SRS	March 2016 Technical Service

SUBJECT
Sporadic Failure of Different Audio Channels

MODEL
F54 (Clubman)

F55 (Hardtop 4 door)

F56 (Hardtop 2 door)

F57 (Convertible)

Vehicles equipped with SA0674 – Harman/Kardon Surround Sound System

SITUATION
Intermittently, different speakers may be inoperative during an entire drive cycle until the vehicle enters sleep mode and the vehicle is restarted.

CAUSE
Shut-down of output circuit(s) from pressure variations caused by door shutting during diagnostic self-test.

PROCEDURE
After unlocking the vehicle the Harman/Kardon (HK) Amplifier goes into a speaker self-test mode. If a door is slammed during this self-test vibrating the speaker cone, the HK amplifier may interpret the changing resistance of the speaker as a circuit failure. The HK Amplifier will then go into protection mode and turn off the output transistor(s) for the particular speaker(s) until the next self-test which is performed after the next sleep cycle.

PROCEDURE
Follow the steps below to correct the situation:

1. Run a vehicle test with ISTA

2. Run applicable test plans for any stored faults.

3. If no other relevant audio faults are found then program the vehicle with ISTA/P V3.60.0 (I-Level F020-16-11-50x) or a higher version. ISTA/P V3.60.0 is scheduled to release November 2016.

Always connect a MINI approved battery charger / power supply (SI M04 08 09).

WARRANTY INFORMATION
Covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT Certified Pre-Owned Limited Warranty.

Defect Code:	65 12 31 12 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery")
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles "arriving" with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed "prior" to programming and coding the vehicle or as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and labor operations listed in KSD2.