	<h1>TSB-Local</h1>	<b>Model</b>	Cerato/Spectra [TD](), Soul [AM](), Rio [UB]()
		<b>Group</b>	Manual Transaxle System(51)
		<b>TSB No.</b>	KCE12-51-P090-TDAMUB;C21VA
<b>Subject</b> <b>6 speed manual transmission (M6CF3-1) case inspection and replacement</b>	<b>Published</b>	10/8/2012	
	<b>TSB Type</b>	Customer Satisfaction(Complaint Base)	
	<b>Area &amp; Distributor</b>	U.K (C21VA)	

## 1. Description

### ■ Symptom/Condition

On some RIO (UB) vehicles, the shift lever might vibrate while driving (acceleration) in 6th gear.

### ■ Countermeasure/Remedy

If customer complaint occurs about shift lever vibration while driving (acceleration) in 6th gear, check whether the LOT No. of M6CF3-1 is affected Number (6/18, 6/19, 6/20), or not. If the LOT No. is affected one, replace the manual transmission assembly with a new one.

## 2. Applicable Vehicles


■ **Model:** RIO (UB) with 6-Speed manual transaxle (M6CF3-1)

■ **Applicable vehicle production date range:** UB : From June 26, 2012 to July 4, 2012

■ **Applicable VIN range:** See attache UK VIN list

■ **Area:** Austria, Belgium, Bosnia, Croatia, Denmark, Germany, Hungary, Italy, Poland, Spain, Switzerland, United Kingdom

## 3. Parts Information

PART NAME	PART NUMBER	REMARK
Manual Transmission Assembly		M6CF3-1
RIO (UB)	4300032810QQK	

## 4. Operation Code And Time

Model	OP CODE	OP NAME	OP TIME	NATURE	CAUSE
UB	12004810	M6CF3-1 case inspection	0.2 M/H	N34	C31

	120048I1	M/T case inspection and vibration test	0.6 M/H		
UB	120048R0	M/T case inspection, vibration test and M/T replacement	3.4 M/H		

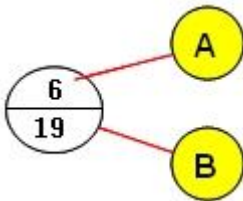
## 5. Service Procedure

### NOTE

Verify that the vehicle is in the affected range by VIN and production date period.

### M/T CASE INSPECTION

1. Fully turn the steering wheel to right direction.
2. Check the manual transmission LOT No. located on the rear side of the left front wheel by shining a flashlight.
3. If the LOT No. is affected one (6/18, 6/19, 6/20), note the VIN of the vehicle.



A : June (Month)  
B : 18, 19, 20 (Day)



### M/T VIBRATION TEST AND M/T REPLACEMENT

1. Test drive the vehicle to check vibration on the shift lever while driving for about 4 miles on below conditions.
  - Shift lever : 6-speed gear
  - Above 2,000 RPM
  - Above 50mph
  - Flat road without bumps

2. Gently hold the shift lever while driving on above conditions as shown in the photo.  
Check that there is vibration on the shift lever while driving for about 4 miles.  
If any, replace the M/T assembly with a new one according to the applicable workshop manual.  
If vibration cannot be confirmed no further procedure is required.

