

0602 Operation Mechanism and Housing

1 General Information.....	903
2 Diagnosis and Inspection.....	912
3 Gear Selection and Shift Mechanism.....	913
4 Transaxle Assembly.....	920
5 Transaxle Housing.....	929

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



021 62 99 92 92

www.digitalkhodro.com

1 General Information

1.1 Important notes.....	903
1.2 Product specifications.....	904
1.3 The operation mechanism drawing.....	908
1.4 Gear selection and shift mechanism drawing.....	909
1.5 The transaxle housing drawing.....	910
1.6 Clutch housing drawing.....	911

1.1 Important notes

- The operation mechanism is a control mechanism to shift gears on the transaxle, which increases or decreases the vehicle speed by changing gears.
- When the vehicle reaches a certain speed, the driver can change gears through the operation mechanism according to the road condition and vehicle speed, to control the driving speed.
- When removing and installing the transaxle assembly, you shall use the hydraulic jack to support the transaxle. In addition, two or more technicians are needed to assist the operation to ensure safety.
- When reassembling the transaxle, you shall apply sealant on the transaxle housing joint.
- Each part of the transaxle shall be kept clean and intact during repair.
- All fixing bolts must be tightened with the specified tightening torque.
- The operation mechanism and its housing consist of the following components:

- a. Shift handle
- b. Gear selection and shift mechanism
- c. Shift cable
- d. Transaxle housing
- e. Clutch housing



اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

021 62 99 92 92

www.digitalkhodro.com

1.2 Product specifications

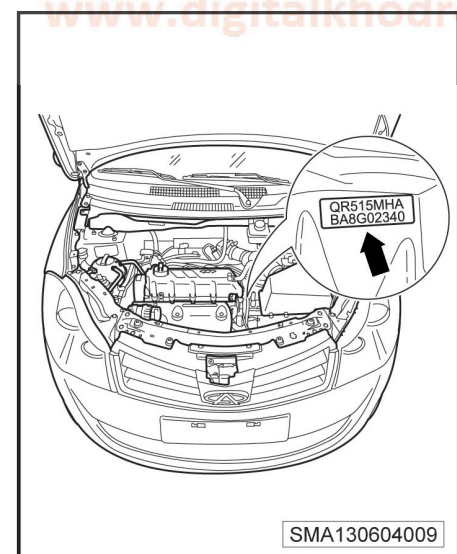
Torque specifications

Component	Torque (N*m)
Coupling bolt between the transaxle and the engine	45±5
Fixing bolt of shift lever assembly housing	20±2
Shift lever fixing bolt	10±1
Location bracket of the shift cable	25±2
Reverse shift arm bracket bolt	25±2
Coupling bolt of the transaxle housing	25±2
Reverse gear idler shaft bolt	38±2.5
Coupling bolt of the gear selection and shift mechanism assembly	25±2
Shaft holder of the gear selection and shift mechanism	32±2.5
Reverse gear switch	25±2
Shift fork shaft holder	20±2
Oil drain\limit bolt	44±3
Clutch release fork bolt	20±2
Clutch release arm bolt\nut	20±2
Gear selector arm bracket bolt	25±2
Reverse gear locking mechanism bolt	18±2
Fixing bolt of the left mount bracket and transaxle side	46±5
Fixing bolt of front mount bracket, transaxle and engine	46±5

Composition and meaning of the transaxle number

The position of QR515MHA transaxle number

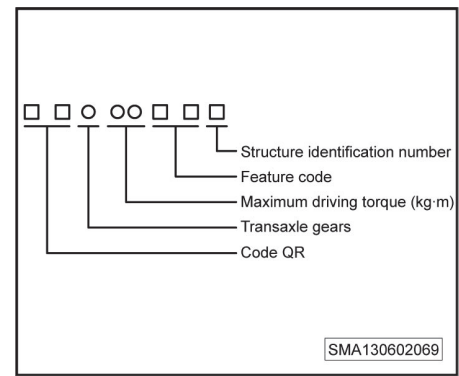
As shown in the figure, the transaxle number is located in the engine compartment and printed on the clutch housing in the front of the transaxle (-arrow-).



For transaxle QR515, the number consists of two parts: the transaxle type and the identification number.

Transaxle type:

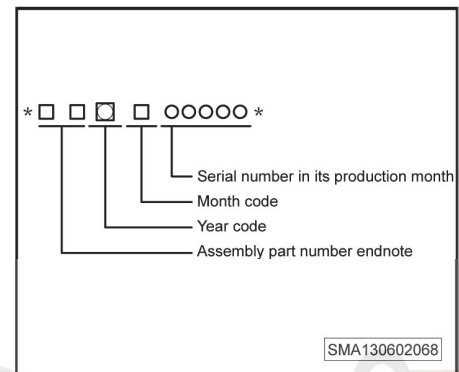
The complete transaxle type is shown in the figure. The transaxle type consists of the code QR, the transaxle gears, the maximum driving torque, the feature code and the structure identification number.



Identification number:

The complete transaxle identification number is shown in the figure.

The identification number consists of the assembly part number endnote ("AA" for none), the production year and month code, the serial number in its production month and the start-stop symbol "***". For the production year and month code, please refer to the look-up tables of production year and month code.



Note: "○" stands for Arabic numerals, "□" for letters, and " " for Arabic numerals or letters. The endnote is at the end of the part number. No endnote is needed for basic models. When changing the parts and assembly in terms of their structure, size, material, heat treatment and surface treatment based on the original products, please remember to change the endnote. Letters in the code shall be capitals, starting from A to Z. In order to avoid confusion, letters "I", "O" and "X" shall not be used. If the change does not affect the interchangeability, please start with A; if the change does affect the interchangeability, please start with B instead of A.

Year code look-up table

Year	Code	Year	Code
1999	X	2015	F
2000	Y	2016	G
2001	1	2017	H
2002	2	2018	J
2003	3	2019	K
2004	4	2020	L
2005	5	2021	M
2006	6	2022	N
2007	7	2023	P
2008	8	2024	R
2009	9	2025	S
2010	A	2026	T
2011	B	2027	V
2012	C	2028	W

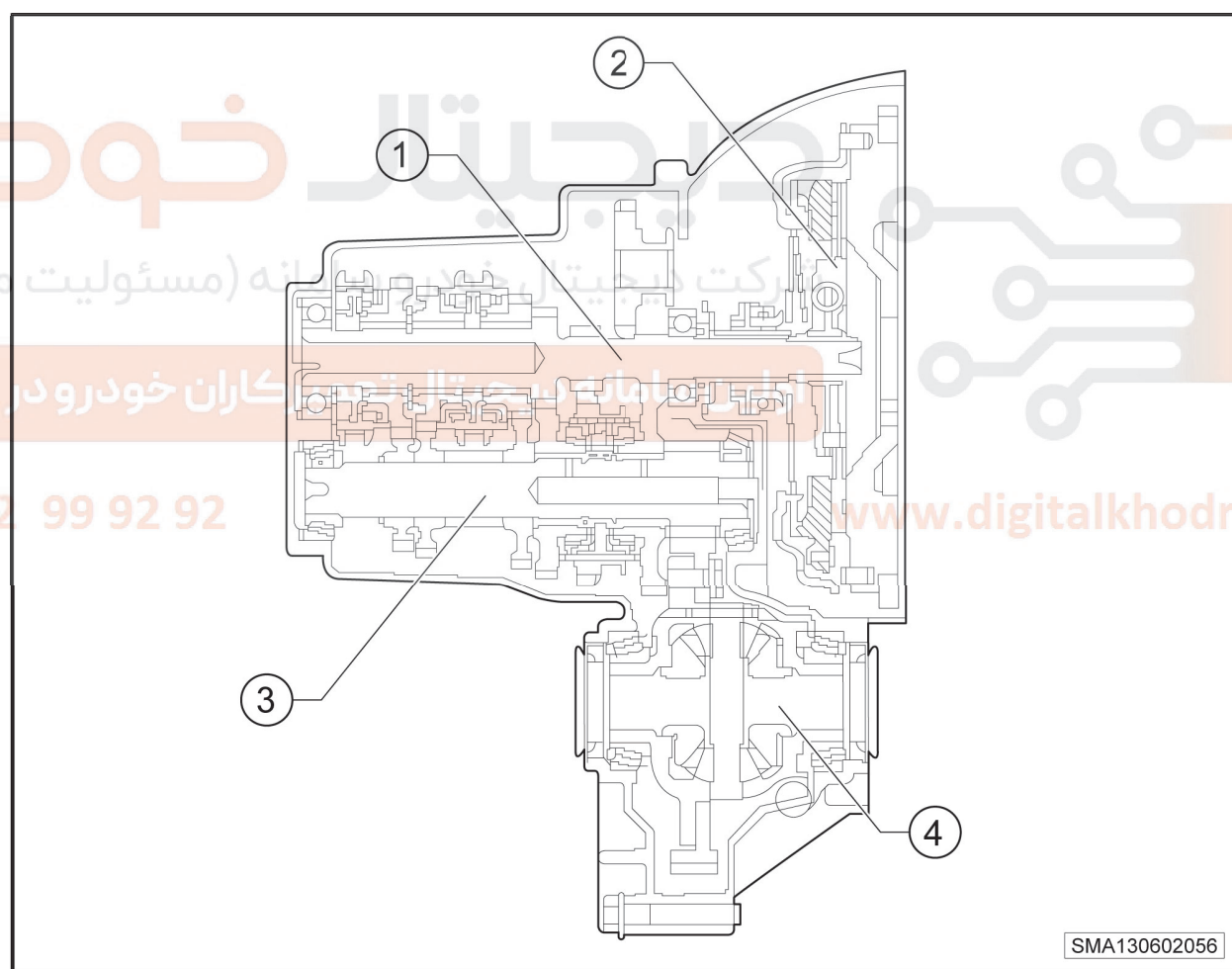
06 - Power Drive Train

Year	Code	Year	Code
2013	D	2029	X
2014	E	2030	Y

Month code look-up table

Month	Code	Month	Code
January	A	July	G
February	B	August	H
March	C	September	J
April	D	October	K
May	E	November	L
June	F	December	M

QR515MHA transaxle assembly drawing



1. Input shaft	2. Clutch
3. Output shaft	4. Differential

Transaxle features

- Tranaxle QR515MHA can achieve five forward gears and one reverse gear via three sets of synchronizer, input shaft and output shaft. All the forward gears adopt the conventional mesh mode, and the reverse gear

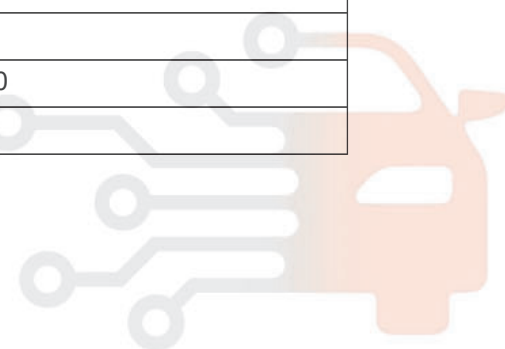
involves a sliding idler device. The synchronizer of 1st and 2nd gear is installed on the output shaft, while the synchronizer of 3rd, 4th and 5th gear is on the input shaft. When the transaxle shifts into a gear, the gear and the gear hub engage with each other for power transmission, in which the output gear on the output shaft drives the driven gear of the final drive and the differential assembly, thus driving the shaft to spin wheels.

Technical parameters

Type	QR515MHA	
Gear	Speed ratio	Gear ratio
1st gear	3.545	39/11
2nd gear	2.05	41/20
3rd gear	1.423	37/26
4th gear	1.065	33/31
5th gear	0.865	32/37
Reverse gear	3.364	37/11
Final drive ratio	3.55	71/20
Speedometer	0.806	29/36
Maximum input torque	150 Nm	
Lubricant type	GL-4 75W-90	
Lubricant capacity	2.3 L	

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

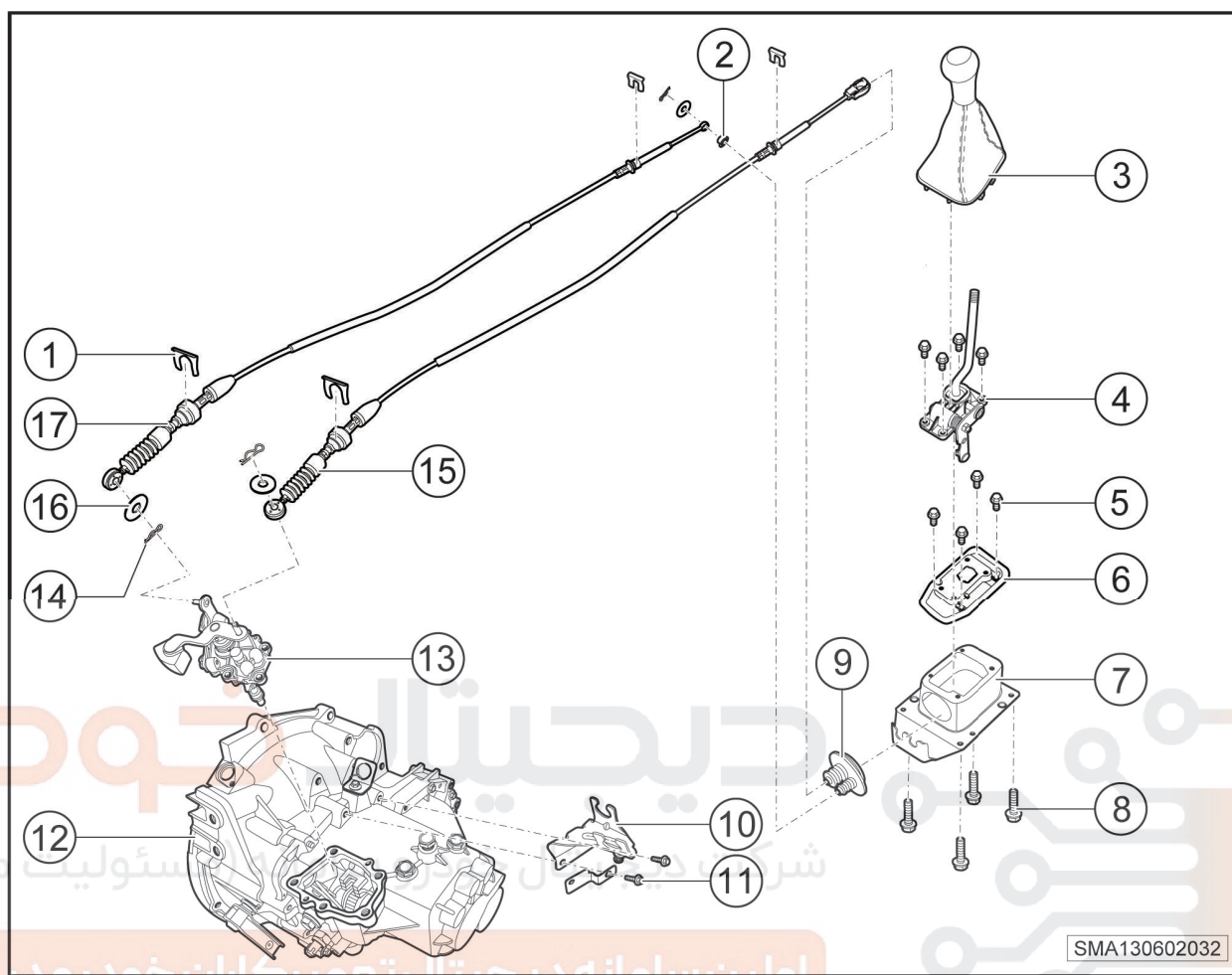
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



021 62 99 92 92

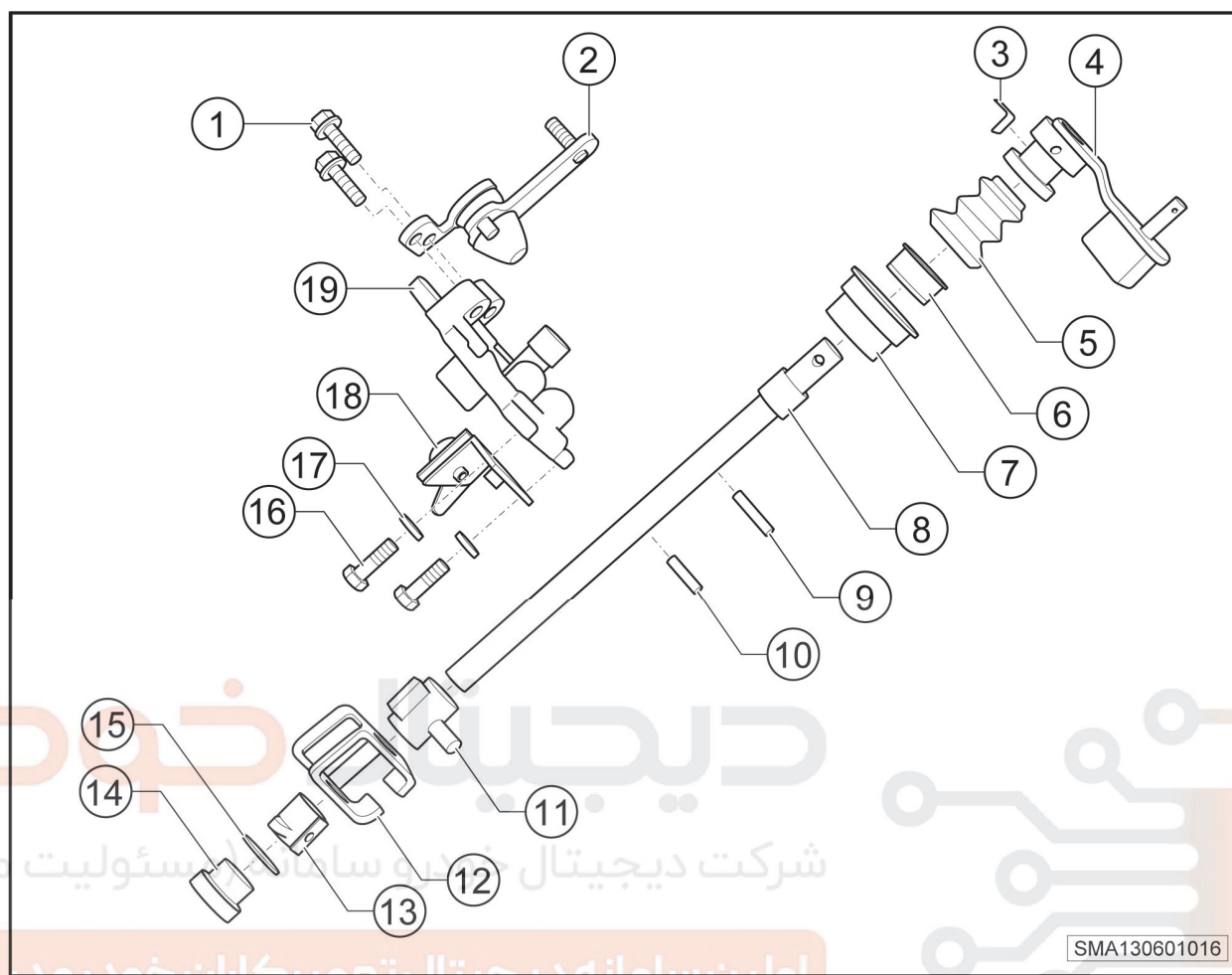
www.digitalkhodro.com

1.3 The operation mechanism drawing



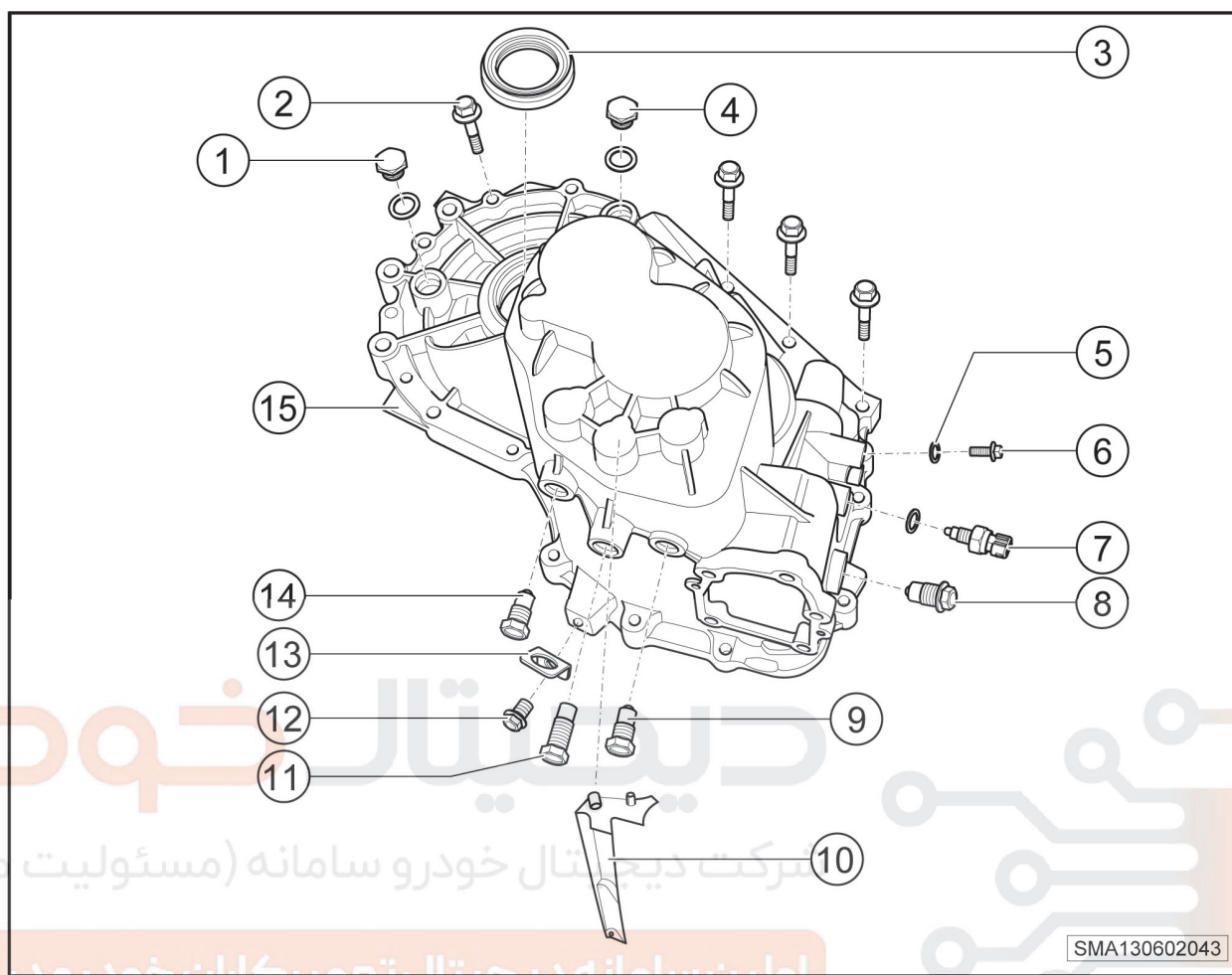
1. Clip	2. Plastic sleeve
3. Shift handle	4. Shift lever
5. Fixing bolt	6. Shift lever panel
7. Shift lever assembly housing	8. Fixing bolt of the shift lever assembly housing
9. Dust cover of the shift cable	10. Location bracket of the shift cable
11. Fixing bolt of the shift cable bracket	12. Transaxle assembly
13. Gear selection and shift mechanism assembly	14. Dowel pin
15. Selection cable	16. Gasket
17. Shift cable	

1.4 Gear selection and shift mechanism drawing



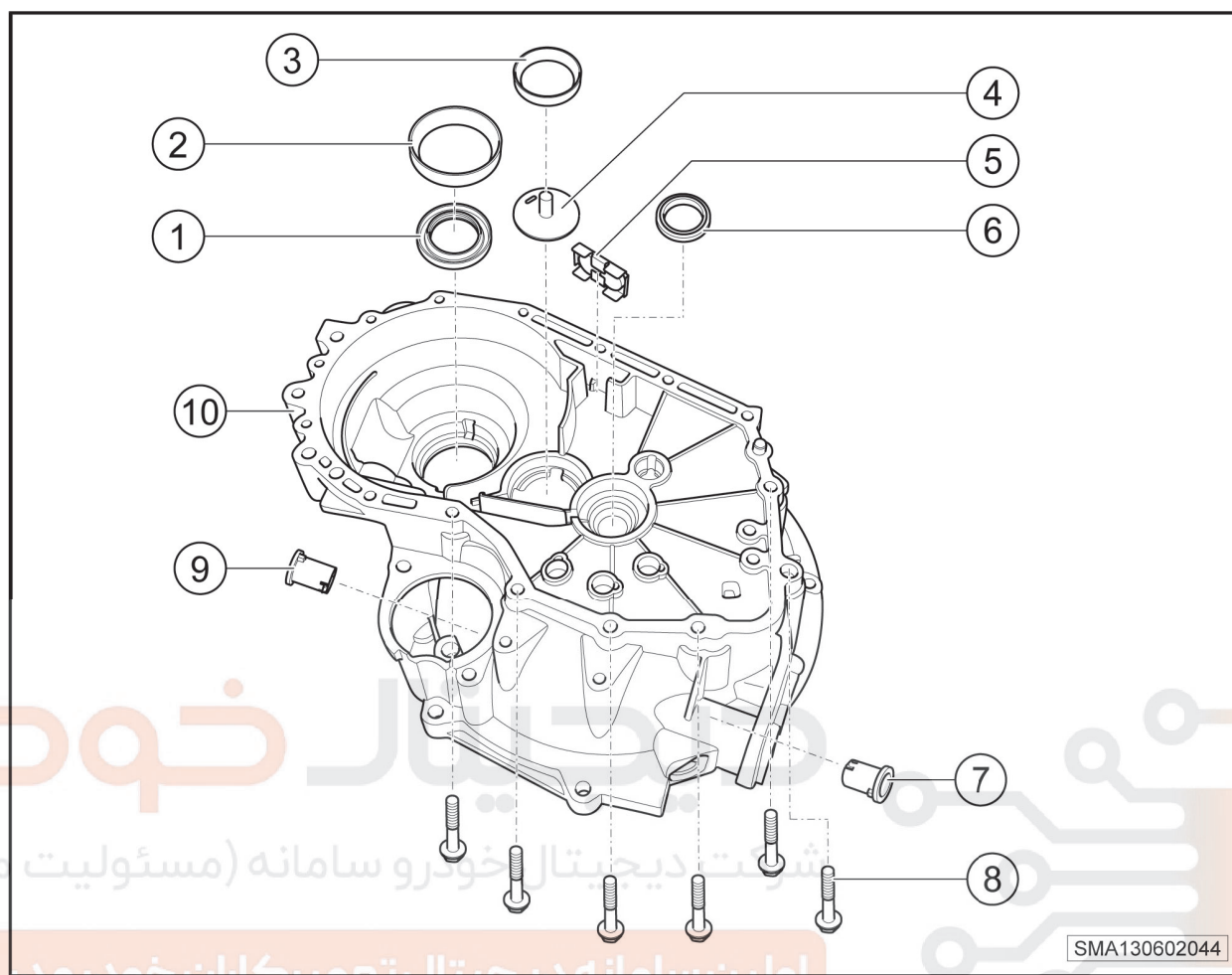
1. Fixing bolt of the gear selector arm bracket	2. Selector arm bracket
3. Gasket	4. Shift arm with balance block
5. Dust cover	6. Oil seal
7. Selector arm	8. Gear selector lever
9. Dowel pin	10. Dowel pin
11. Shift lever fork	12. Gear interlock bracket
13. Sleeve	14. Retainer
15. Spacer	16. Reverse gear locking mechanism bolt
17. Bolt washer	18. Reverse gear locking mechanism
19. Shift mechanism panel	

1.5 The transaxle housing drawing



1. Oil drain bolt	2. Housing fixing bolt
3. Oil seal	4. Oil limit bolt
5. Gasket	6. Bolt
7. Reverse gear switch	8. Shift mechanism lock bolt
9. 1st and 2nd gear lock bolt	10. Clapboard
11. 3rd and 4th gear lock bolt	12. Hook fixing bolt
13. Hook	14. 5th gear lock bolt
15. Transaxle housing	

1.6 Clutch housing drawing



1. Oil seal	2. Differential tapered bearing outer ring
3. Output shaft bearing outer ring	4. Oil deflector
5. Magnet	6. Input shaft oil seal
7. Sleeve	8. Housing fixing bolt
9. Sleeve	10. Clutch housing

2 Diagnosis and Inspection

2.1 The operation mechanism fault list.....912

2.1 The operation mechanism fault list

Condition	Cause	Troubleshooting
Gear shift difficulty	Improper adjustment of the clutch travel, and incomplete separation	Check and adjust the clutch travel
	Improper adjustment of the shift system or occurrence of interference	Check the shift cable
	Failure or wear of the synchronizer ring	Replace the damaged synchronizer ring
	Loosening of the shift fork fixing screw, or wear and distortion	Replace the damaged shift fork
Gear shift failure	Excessive clearance or loosening of the shift cable	Check and repair the shift cable
	Damage or serious distortion of the shift fork	Replace the damaged shift fork
	Loosening or damage of the shift actuator arm	Replace the damaged shift arm
Gear trip stop or disengagement	Wear of the synchronizer gear sleeve or the tapered gear surface	Replace the damaged synchronizer gear sleeve or the conjoint gear
	Self-locking spring failure	Replace the disabled self-locking spring
	Damage to the input and output shaft bearing	Replace the damaged bearing
Abnormal noise of gear shift	Bump or damage to the gear tooth surface	Check and replace the damaged gear
	Excessive axial gear clearance	Check and replace the gear shaft
	Low oil level and inadequate lubrication	Check for oil leakage and add lubricant
	Foreign matters within the transaxle assembly	Disassemble the housing and remove the foreign matter
Transaxle leakage	Excessive wear or damage to the oil seal	Replace the oil seal
	Uneven sealant coating or gasket damage	Disassemble the housing and reinstall it as required
	Late rectification of bumps on the joint surface	Replace the transaxle housing

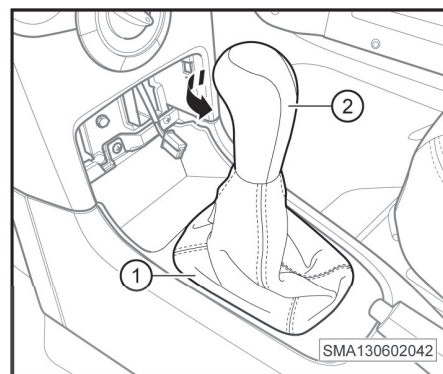
3 Gear Selection and Shift Mechanism

3.1 Removing and installing the shift handle.....	913
3.2 Removing and installing the shift lever assembly.....	914
3.3 Removing and installing the gear selection and shift cable.....	915
3.4 Removing and installing the gear selection and shift mechanism assembly.....	916
3.5 Disassembling the gear selection and shift mechanism assembly.....	918

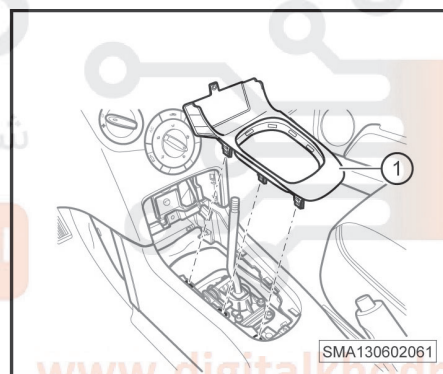
3.1 Removing and installing the shift handle

Removal

1. Switch off all electrical equipment and the ignition switch, and pull out the key.
2. Remove the ashtray => refer to page 1214.
3. Lever out the handle fixed panel (-1-).
4. Unscrew the shift handle (-2-) in the (-arrow-) direction.



5. Remove the shift handle (-1-).



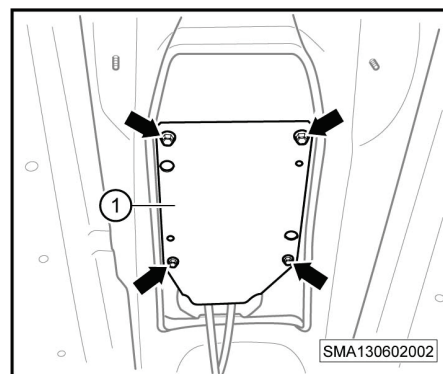
Installation

Installation shall follow the reverse sequence of the removal procedure.

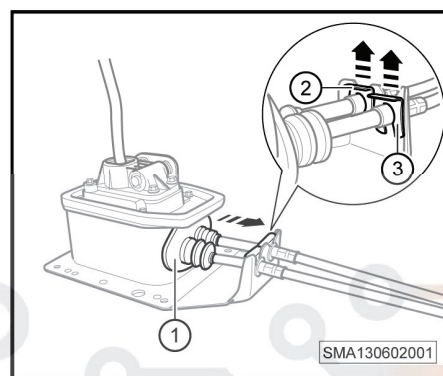
3.2 Removing and installing the shift lever assembly

Removal

1. Switch off all electrical equipment and the ignition switch, and pull out the key.
2. Remove the shift handle (-1-) => refer to page 913.
3. Remove the exhaust pipe => refer to page 232.
4. Remove the exhaust pipe heat shield.
5. Unscrew the fixing bolts (-arrow-) and remove the shift lever assembly (-1-).
 - Tightening torque of the bolt: $20 \pm 2 \text{ N}\cdot\text{m}$

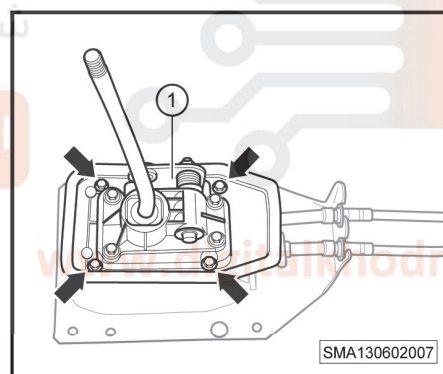


6. Remove the dust cover of the shift cable (-1-) in the (-arrow-) direction.
7. Loosen the shift cable clamp springs (-2-) and (-3-) in the (-arrow-) direction.

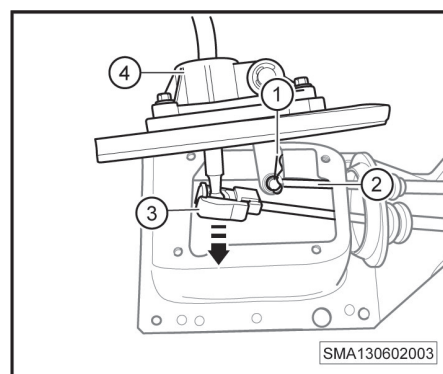


8. Unscrew the fixing bolts (-arrow-) and remove the panel (-1-).

- Tightening torque of the bolt: $10 \pm 1 \text{ N}\cdot\text{m}$



9. Remove the dowel pin (-1-) and the shift cable (-2-).
10. Remove the selection cable (-3-) in the (-arrow-) direction.
11. Remove the shift lever (-4-).



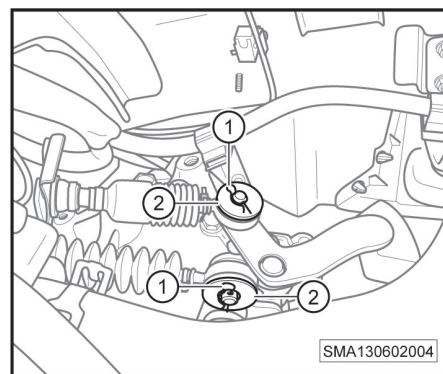
Installation

Installation shall follow the reverse sequence of the removal procedure.

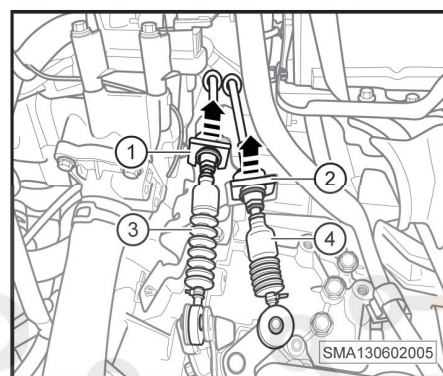
3.3 Removing and installing the gear selection and shift cable

Removal

1. Switch off all electrical equipment and the ignition switch, and pull out the key.
2. Remove the air filter assembly => refer to page 239.
3. Remove the shift lever assembly => refer to page 914.
4. Remove the dowel pin (-1-) and the gasket (-2-) of the shift cable.

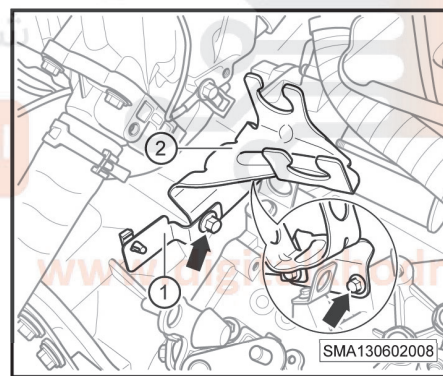


5. Release the selection cable clamp (-1-) and the shift cable clamp (-2-) in the (-arrow-) direction.
6. Remove the selection cable (-3-) and the shift cable (-4-).



7. Unscrew the fixing bolts (-arrow-).
- Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$

8. Remove the bracket (-1-) and the cable mounting bracket (-2-).



Installation

Installation shall follow the reverse sequence of the removal procedure.

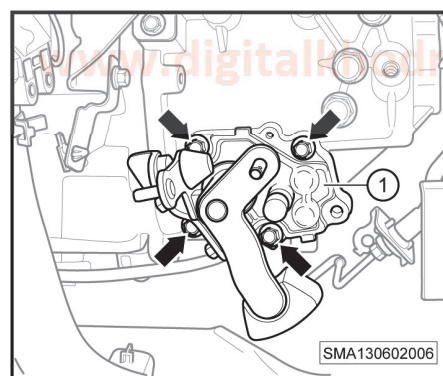
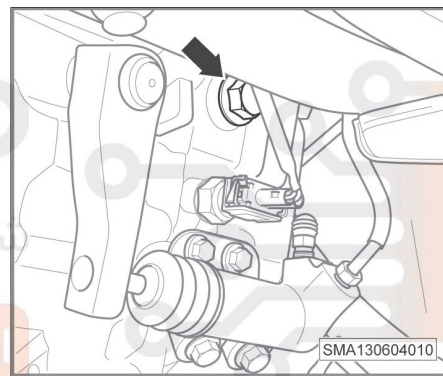
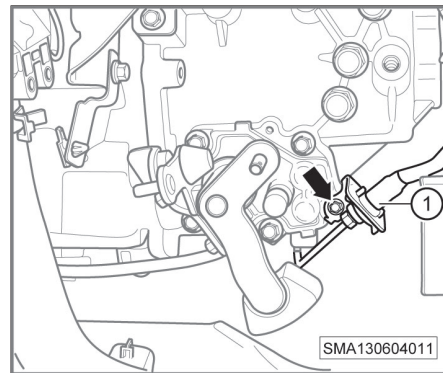
3.4 Removing and installing the gear selection and shift mechanism assembly

i Note

- During removal and installation of the gear selection and shift mechanism assembly, the transaxle shall be shifted to neutral.

Removal

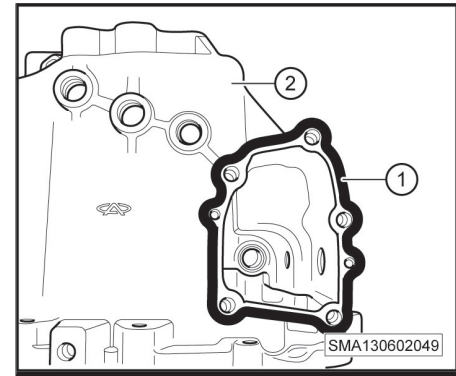
1. Remove the gear selection and shift cable => refer to page 915.
2. Unscrew the fixing bolt (-arrow-) of the hydraulic pipeline bracket.
 - Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$
3. Move the mounting bracket and hose (-1-).
4. Unscrew the fixing bolt of the gear selection and shift mechanism (-arrow-).
 - Tightening torque of the bolt: $32 \pm 2.5 \text{ N}\cdot\text{m}$
5. Unscrew the fixing bolts (-arrow-).
 - Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$
6. Remove the gear selection and shift mechanism assembly (-1-).



Installation

Installation shall follow the reverse sequence of the removal procedure. Please pay attention to the following notes:

- Make sure that the joint surface between the housing and the gear selection and shift mechanism assembly (-2-) is clean and free of oil, and apply sealant (-1-) evenly.
- Tighten the bolts with the specified tightening torque.



دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

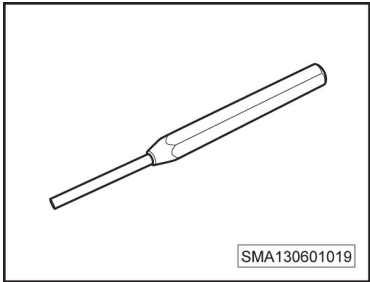


021 62 99 92 92

www.digitalkhodro.com

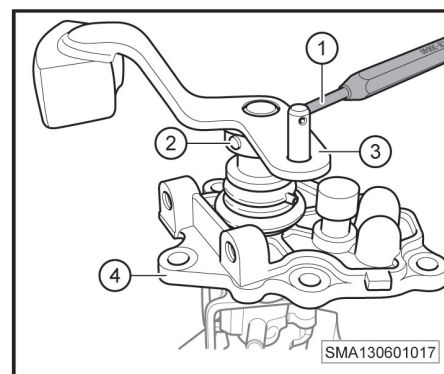
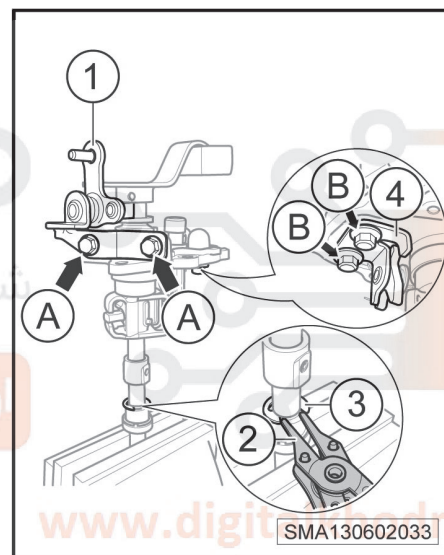
3.5 Disassembling the gear selection and shift mechanism assembly

Maintenance tools and common equipment

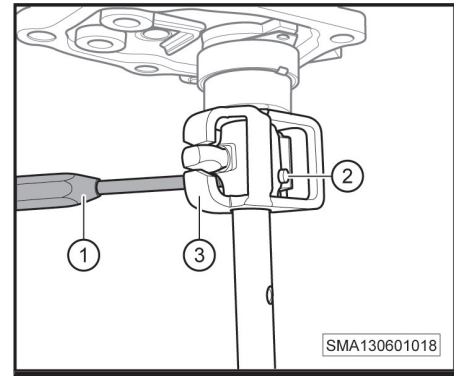
	
Punch	

Removal

1. Remove the gear selection and shift mechanism assembly => refer to page 916.
2. Unscrew the fixing bolts (-arrow A-) of the gear selector arm bracket (-1-).
 - Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$
3. Remove the gear selector arm bracket (-1-).
4. Remove the clamp spring (-3-) with a spring plier (-2-).
5. Unscrew the fixing bolts (-arrow B-) of the reverse gear locking mechanism, and remove the mechanism.
 - Tightening torque of the bolt: $18 \pm 2 \text{ N}\cdot\text{m}$
6. Remove the reverse gear locking mechanism (-4-).
7. Knock out the dowel pin (-2-) with a punch (-1-).
8. Remove the shift arm (-3-) and the retaining board (-4-).



9. Knock out the dowel pin (-2-) with a punch (-1-).
10. Remove the shift lever (-3-).



Installation

Installation shall follow the reverse sequence of the removal procedure. Please pay attention to the following notes:

- Tighten the bolts with the specified tightening torque.
- Replace the damaged dowel pin.

دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



021 62 99 92 92

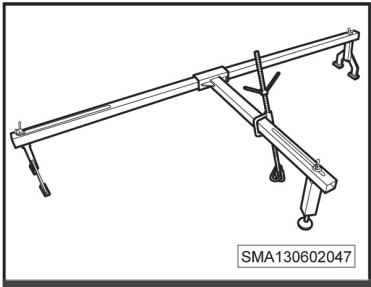
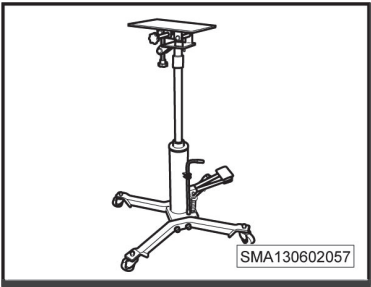
www.digitalkhodro.com

4 Transaxle Assembly

4.1 Removing and installing the transaxle assembly.....	920
4.2 Disassembling and assembling the transaxle assembly.....	925

4.1 Removing and installing the transaxle assembly

Maintenance tools and common equipment

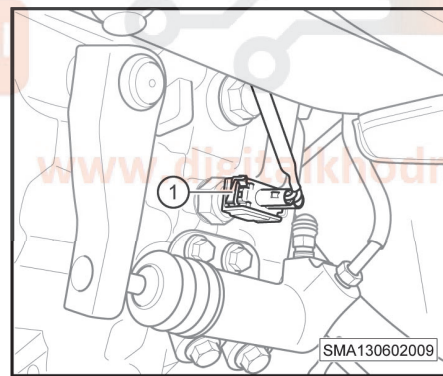
	
Engine hanger	Jack

Caution

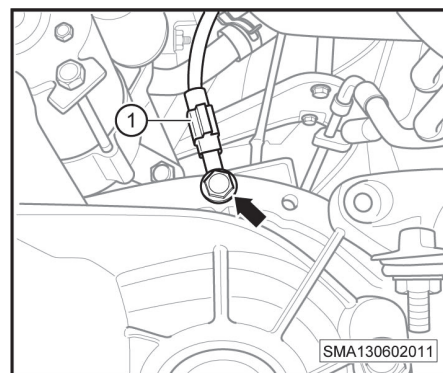
- When removing, installing and repairing the transaxle assembly, two or more technicians are needed to assist the operation.

Removal

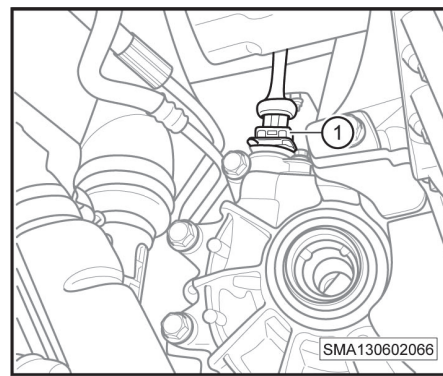
- Switch off all electrical equipment and the ignition switch, and pull out the key.
- Remove the starter => refer to page 979.
- Remove the air filter => refer to page 239.
- Remove the axle shaft => refer to page 618.
- Remove the gear selection cable and the shift cable => refer to page 915.
- Remove the hydraulic clutch pipeline => refer to page 896.
- Discharge the transaxle lubricant => refer to page 37.
- Disconnect the reverse gear switch connector (-1-).



- Unscrew the fixing bolt (-arrow-) of the earth wire (-1-).
 - Tightening torque of the bolt: $10 \pm 2 \text{ N} \cdot \text{m}$

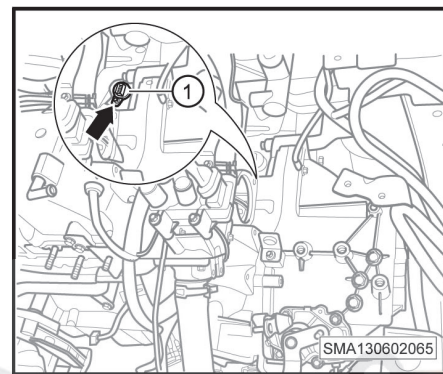


10. Disconnect the odometer sensor connector (-1-).



11. Unscrew the fixing bolt of the odometer sensor (-arrow-) and remove the sensor (-1-).

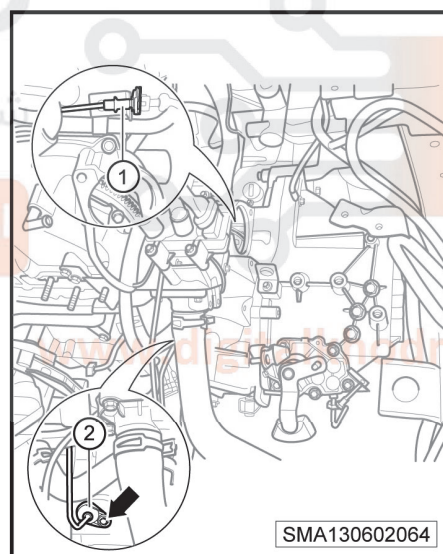
- Tightening torque of the bolt: $10 \pm 2 \text{ N}\cdot\text{m}$



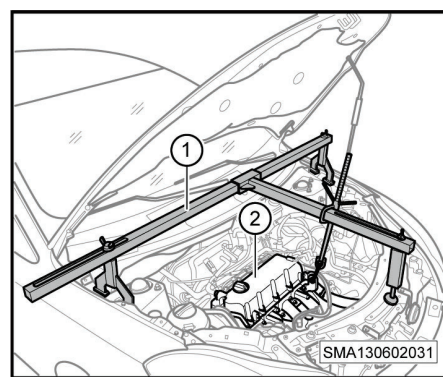
12. Disconnect the crankshaft position sensor connector (-1-).

13. Unscrew the fixing bolt of the crankshaft position sensor (-arrow-) and remove the sensor (-2-).

- Tightening torque of the bolt: $10 \pm 2 \text{ N}\cdot\text{m}$



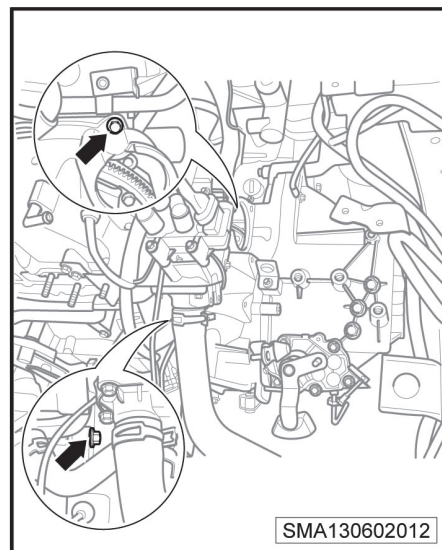
14. Fix the engine assembly (-2-) with the engine hanger (-1-).



06 - Power Drive Train

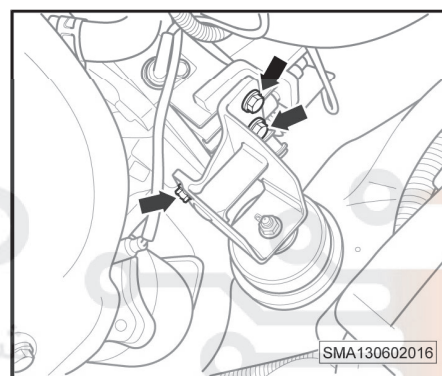
15. Unscrew the upper fixing bolts of the transaxle (-arrow-).

- Tightening torque of the bolt: $45 \pm 5 \text{ N}\cdot\text{m}$



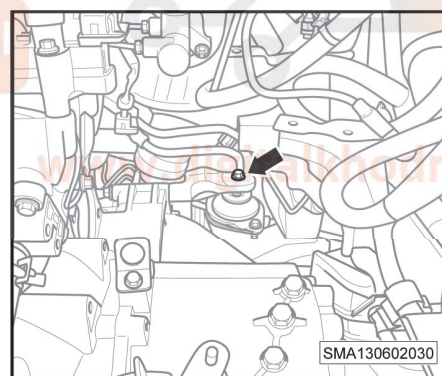
16. Unscrew the fixing bolts of the front mount (-arrow-).

- Tightening torque of the bolt: $46 \pm 5 \text{ N}\cdot\text{m}$

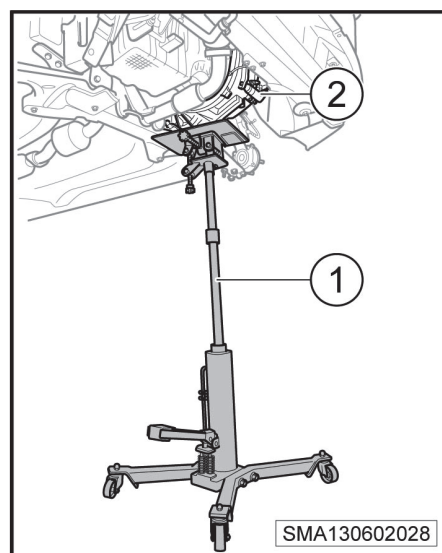


17. Unscrew the fixing bolt of the transaxle side mount (-arrow-).

- Tightening torque of the bolt: $46 \pm 5 \text{ N}\cdot\text{m}$

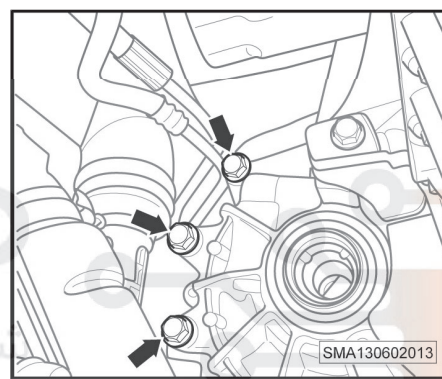


18. Lift the vehicle and hold the transaxle assembly (-2-) with the jack (-1-).



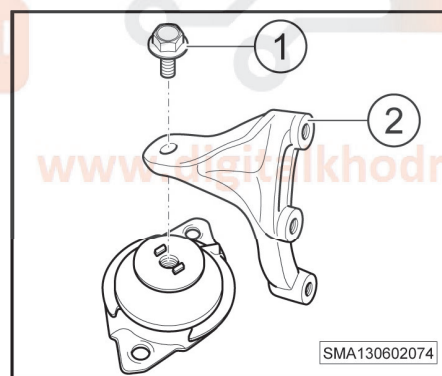
19. Unscrew the coupling bolts between the transaxle and the mount (-arrow-).

- Tightening torque of the bolt: $46 \pm 5 \text{ N}\cdot\text{m}$



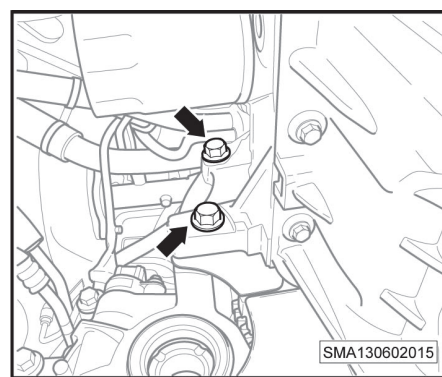
20. Remove the fixing bolt of the transaxle side mount (-1-).

21. Remove the transaxle side mount (-2-).



22. Unscrew the coupling bolts between the transaxle and the engine (-arrow-).

- Tightening torque of the bolt: $45 \pm 5 \text{ N}\cdot\text{m}$



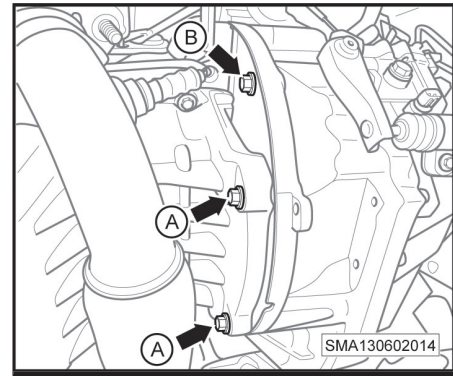
06 - Power Drive Train

23. Unscrew the coupling bolts between the transaxle and the engine (-arrow A-).

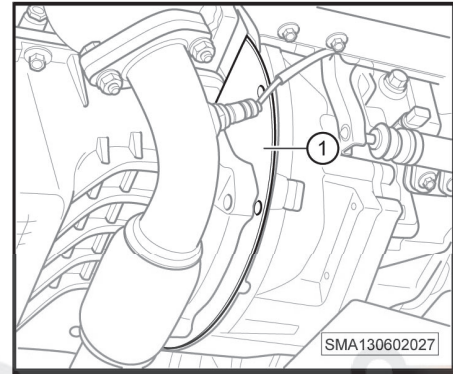
- Tightening torque of bolt A: $45 \pm 5 \text{ N}\cdot\text{m}$

24. Unscrew the fixing bolt of the transaxle partition wall (-arrow B-).

- Tightening torque of bolt B: $45 \pm 5 \text{ N}\cdot\text{m}$

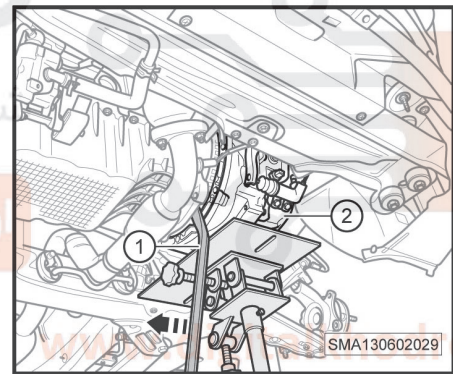


25. Remove the transaxle partition wall (-1-).



26. Separate the transaxle assembly (-2-) from the engine in the (-arrow-) direction with a crowbar (-1-).

27. Remove the transaxle assembly.



Installation

Installation shall follow the reverse sequence of the removal procedure. Please pay attention to the following notes:

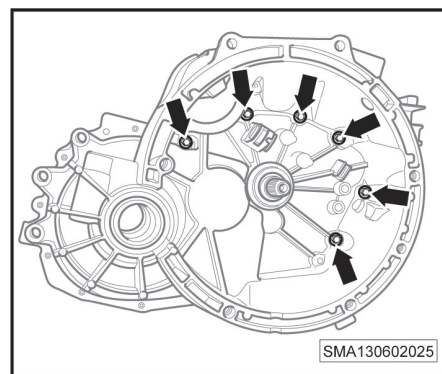
- Clean the input shaft spline and apply grease on the spline.
- Pay attention to the length and position of the bolts. The transaxle fixing bolts are not interchangeable.
- Only remove the engine hanger after you make sure the transaxle is completely fixed.
- Check and add transaxle lubricant => refer to page 37.
- Discharging the air from the hydraulic clutch system is required => refer to page 898.
- Checking the clutch pedal travel is required => refer to page 889.

4.2 Disassembling and assembling the transaxle assembly

Removal

1. Remove the transaxle assembly => refer to page 920.
2. Remove the release bearing => refer to page 900.
3. Unscrew the fixing bolts of the transaxle housing (-arrow-).

- Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$

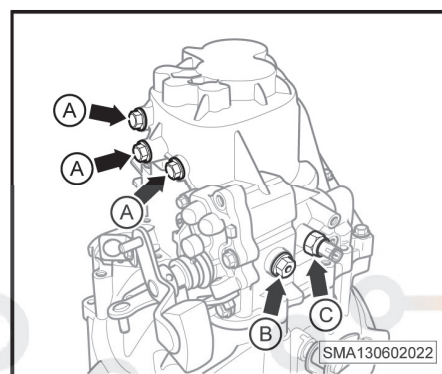


4. Unscrew the gear lock bolts (-arrow A-).
5. Unscrew the locating bolt of the gear shift mechanism (-arrow B-).

- Tightening torque of bolt A: $20 \pm 2 \text{ N}\cdot\text{m}$

6. Unscrew the reverse light switch (-arrow C-).

- Tightening torque of the reverse light switch: $25 \pm 2 \text{ N}\cdot\text{m}$

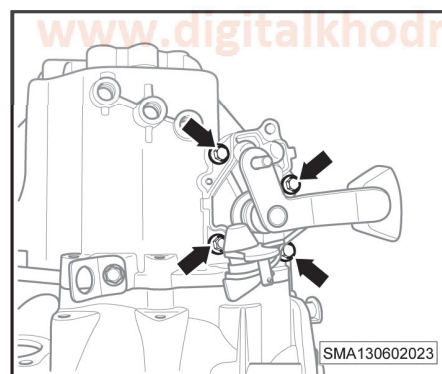


Note

- During removal and installation of the gear selection and shift mechanism assembly, the transaxle shall be shifted to neutral.

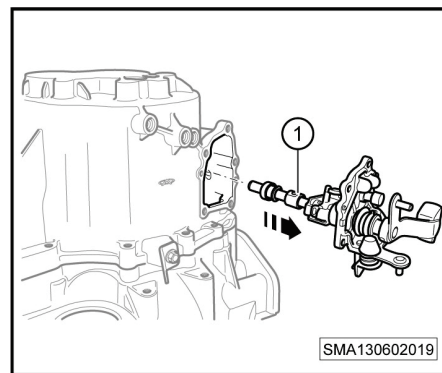
7. Unscrew the fixing bolts of the gear shift assembly (-arrow-).

- Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$



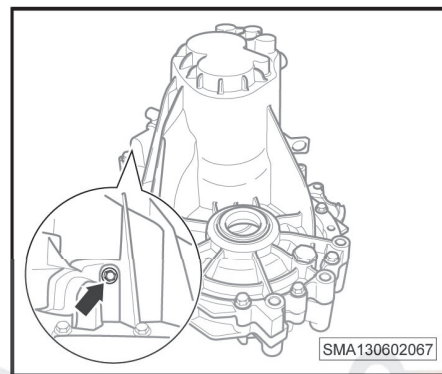
06 - Power Drive Train

8. Remove the gear shift assembly (-1-) in the (-arrow-) direction.



9. Unscrew the fixing bolt of the reverse gear idler shaft (-arrow-).

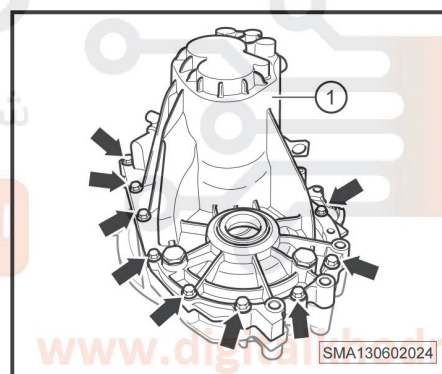
- Tightening torque of the bolt: $38 \pm 2.5 \text{ N}\cdot\text{m}$



10. Unscrew the fixing bolts of the transaxle housing (-arrow-).

- Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$

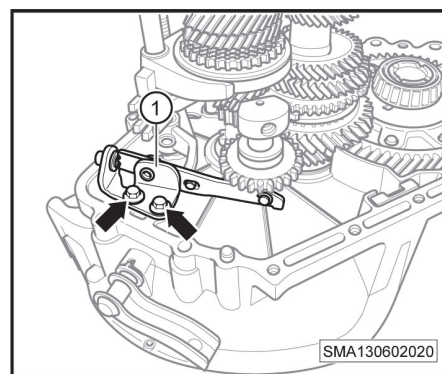
11. Gently knock the transaxle housing (-1-) with a hand hammer and remove it.



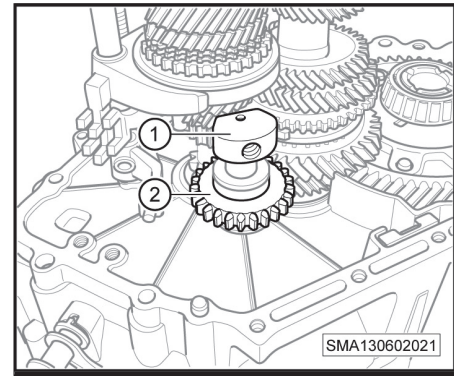
12. Unscrew the fixing bolts of the reverse gear fork (-arrow-).

- Tightening torque of the bolt: $25 \pm 2 \text{ N}\cdot\text{m}$

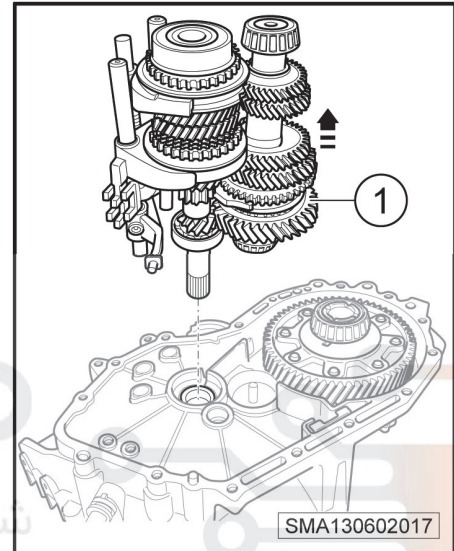
13. Remove the reverse gear fork (-1-).



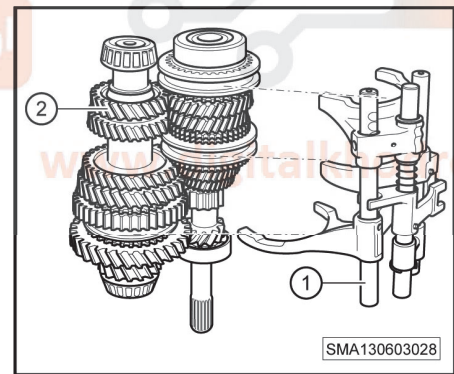
14. Remove the reverse gear idler shaft (-1-) and the reverse gear (-2-).



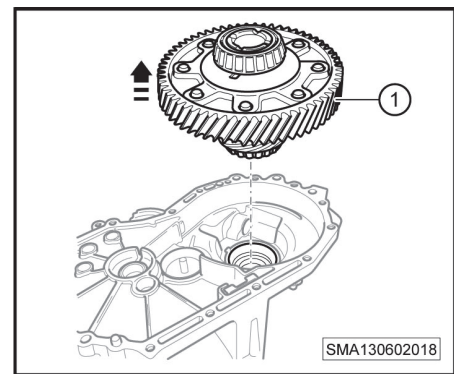
15. Remove the input and output shaft assembly (-1-) in the (-arrow-) direction.



16. Remove the shift fork assembly (-1-) from the input and output shaft assembly.



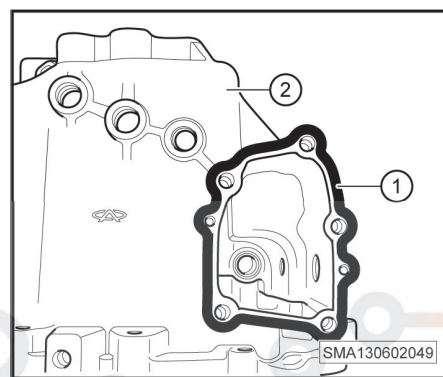
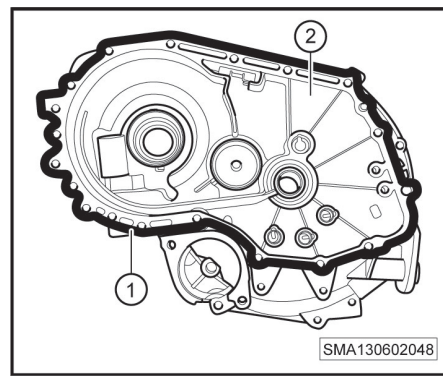
17. Remove the differential assembly (-1-) in the (-arrow-) direction.



Installation

Installation shall follow the reverse sequence of the removal procedure. Please pay attention to the following notes:

- It is required to remove the sealant residue on the housing (-2-).
- Make sure that the joint surface of the housing (-2-) is clean and free of oil, and apply sealant (-1-) evenly.
- Tighten the bolts with the specified tightening torque.
- Make sure that the joint surface between the housing and gear shift assembly (-2-) is clean and free of oil, and apply sealant (-1-) evenly.
- Tighten the bolts with the specified tightening torque.



دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

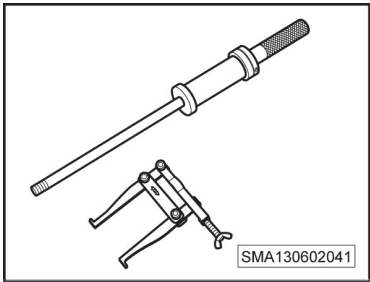
www.digitalkhodro.com

5 Transaxle Housing

5.1 Disassembling the transaxle housing.....	929
5.2 Assembling the transaxle housing.....	932

5.1 Disassembling the transaxle housing

Maintenance tools and common equipment

	
Bearing inner ring remover and puller	

i Note

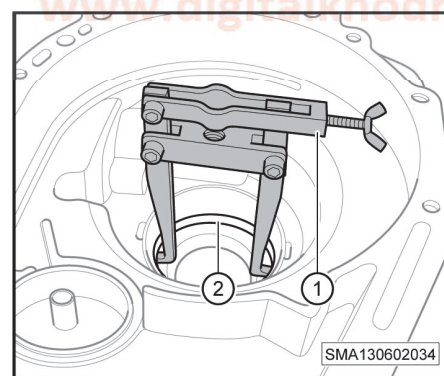
- The procedures of removing the transaxle housing, the differential bearing outer ring on the clutch housing and the oil seal are the same.

eye Caution

- The oil seal cannot be reused and must be replaced after removal.

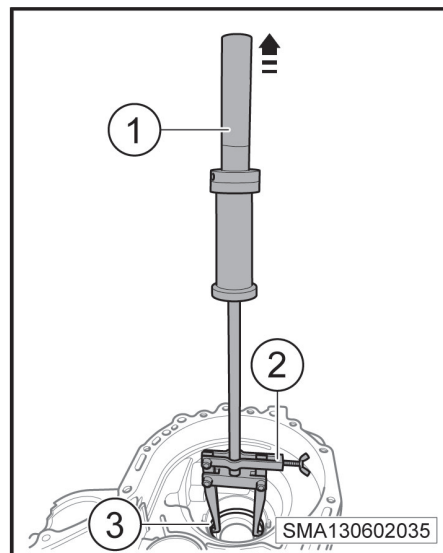
Disassembly

- Fix the bearing inner ring remover (-1-) on the bearing outer ring (-2-).

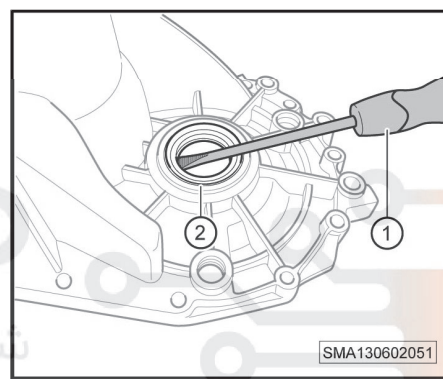


06 - Power Drive Train

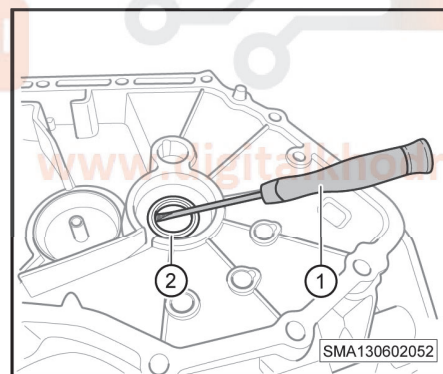
2. Install the puller (-1-) on the bearing inner ring remover (-2-).
3. Pull out the bearing outer ring (-3-) in the (-arrow-) direction with the puller.



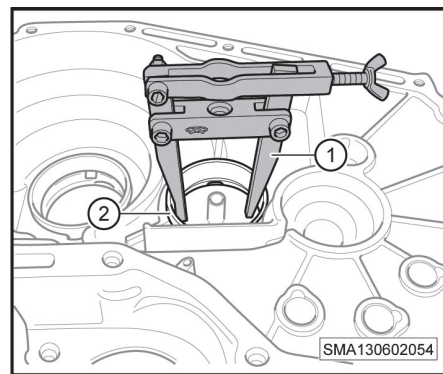
4. Lever out the axle shaft oil seal (-2-) with the slotted screwdriver (-1-).



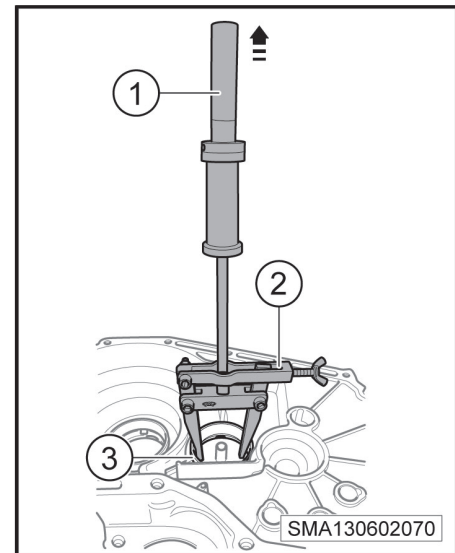
5. Lever out the input shaft oil seal (-2-) with the slotted screwdriver (-1-).



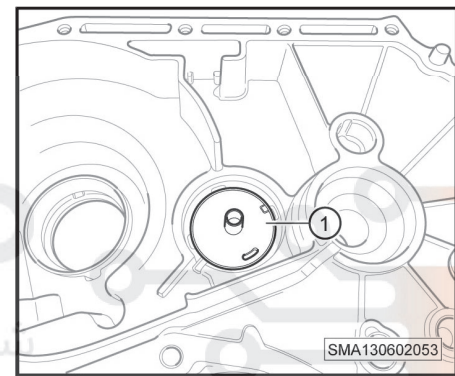
6. Fix the remover (-1-) on the output shaft bearing outer ring (-2-).



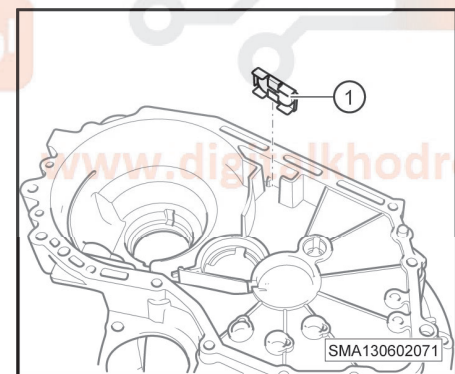
7. Install the puller (-1-) on the bearing inner ring remover (-2-).
8. Pull out the output shaft bearing outer ring (-3-) in the (-arrow-) direction with the puller.



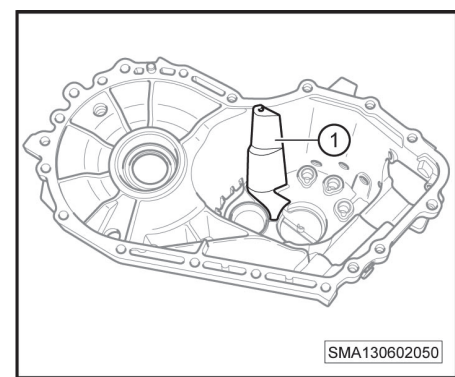
9. Remove the oil deflector (-1-).



10. Remove the magnet (-1-).

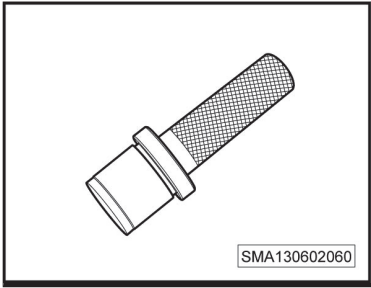
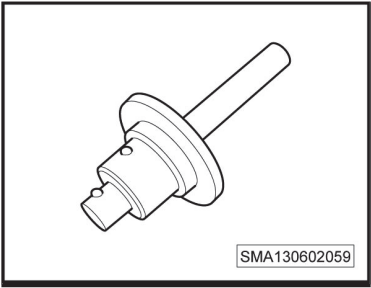
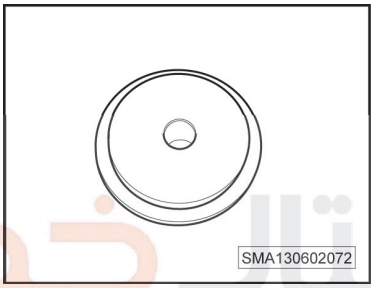


11. Remove the baffle (-1-).



5.2 Assembling the transaxle housing

Maintenance tools and common equipment

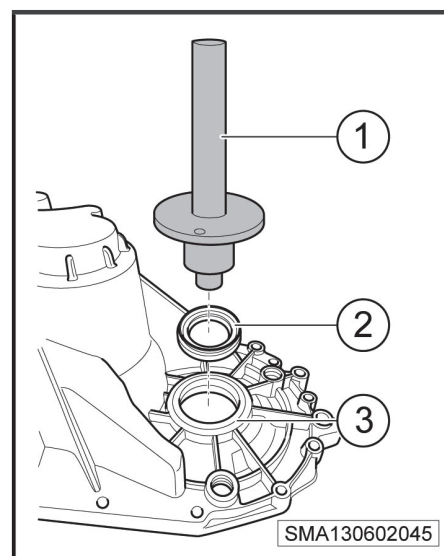
 SMA130602060	 SMA130602059
Input shaft oil seal installation tool	Axle shaft oil seal installation tool
 SMA130602072	
Bearing outer ring installation tool	

i Note

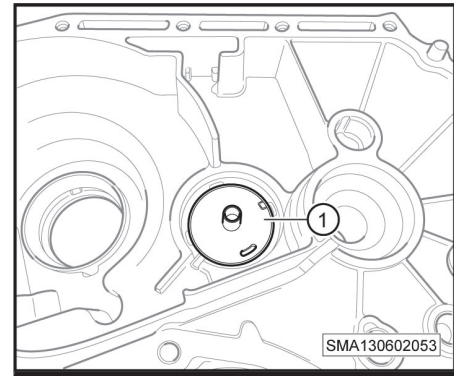
- The procedures of installing the transaxle housing, the differential bearing outer ring on the clutch housing and the axle shaft oil seal are the same.

Assembly

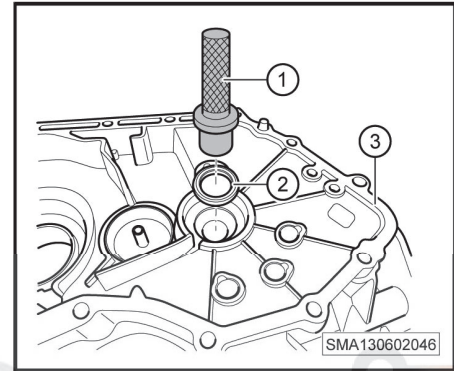
1. Install the axle shaft oil seal (-2-) to the transaxle housing (-3-) with the tool (-1-).



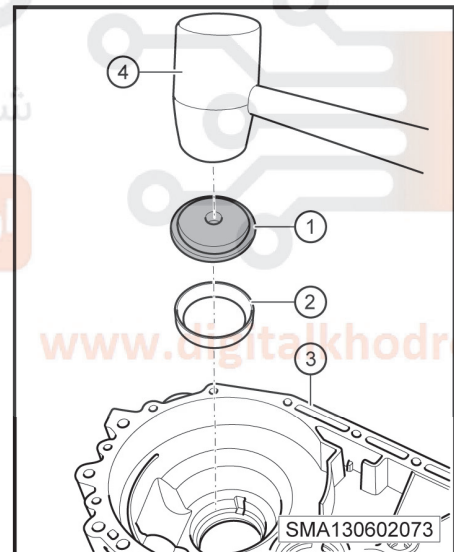
2. Install the oil deflector (-1-).



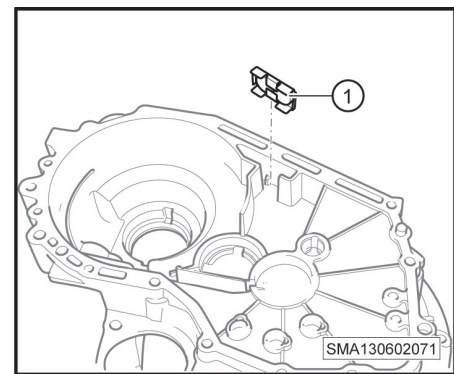
3. Install the input shaft oil seal (-2-) to the transaxle housing (-3-) with the tool (-1-).



4. Install the bearing outer ring installation tool (-1-) onto the bearing outer ring (-2-).
5. Install the bearing outer ring into the housing (-3-) with a hand hammer (-4-).

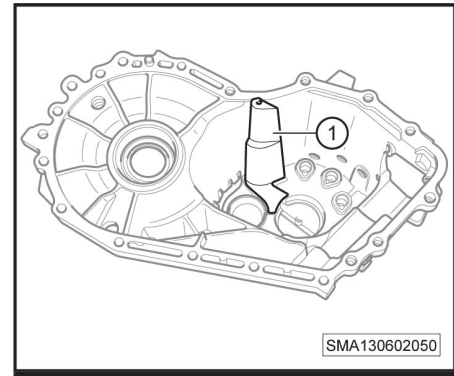


6. Install the magnet (-1-).



06 - Power Drive Train

7. Install the baffle (-1-).



دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



021 62 99 92 92

www.digitalkhodro.com