

ELECTRIC START KIT



P/N 2881243

APPLICATION

All Polaris Axys RMK Snowmobiles

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This Kit includes:

REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Bracket Assembly, Electric Start / UCA Tube Lower	1018033
2	1	Bracket Assembly, Electric Start / UCA Tube Upper	1020243
3	1	Bracket Assembly, Electric Start / Clip	1020244
4	1	Battery Box Bracket Assembly	1020323
5	1	Weld Battery Box	1022240
6	1	Pinion Assembly/Pinion Bracket	1204372
7	1	Drive Clutch Assembly	1323210-SP
8	1	Battery/Solenoid Cable Assembly	2412723
9	1	Electric Start Harness	2413091
10	1	Starter Motor, JE	4012729
11	1	Sealed Starter Solenoid	4014655
12	1	Cable, 1155 mm, 6 GA Red	4014682
13	1	Cable, 1225 mm, 6 GA Black	4014683
14	2	Hook-"D"	5224468
15	1	Electric Start Washer	5259426
16	1	Battery Heat Shield	5262301
17	1	Rubber Strap	5410608
18	1	Foam-Seal, Rear Cooler	5810947
19	1	Shaft-Flex Starter, 7.11	6230404
20	4	Paundit Strap	7080138
21	1	Panduit Strap, 14"	7080761
22	1	Band Clamp, Narrow 70-90 mm	7081279
23	1	Routing Clip	7081496
24	1	Seal - Bulb, 14cm	5521697-14
25	5	Screw-TXPH-M6 X 1.0 X 15	7518656

REF	QTY	PART DESCRIPTION	PART NUMBER
26	3	Screw-SHCS-M8 X 1.25 X 25	7518699
27	4	Screw-HXFL-M5 X 0.8 X 12	7518894
28	1	Screw-TXTR-M8 X 1.25 X 25	7518906
29	3	Nut-1/4-20	7542105
30	6	Nut-M6x1.0, FLG - Nyloc	7547339
31	3	Washer-1/4 Spring Lock-Y	7552801
	1	Instructions	9926597

TOOLS REQUIRED

- Battery (PN 4013045)
- Metric Socket Set
- Metric Wrench Set
- Large Phillips Screwdriver
- Master Repair Manual (MRM)
- 6mm Allen Wrench or Short Allen Socket
- 7mm Socket
- Clutch Puller (PN 2872085)
- Flat Screwdriver
- Torque Wrench
- 7/16" Socket
- T-40 Torx Socket
- Strap Puller (PN 2870336)
- Spring Puller
- Side Cutter
- T-30 Torx Socket
- 3/8" Ratchet
- 3/8" Extensions

IMPORTANT

Your ELECTRIC START KIT is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

Approximately 90 minutes

INSTALLATION INSTRUCTIONS

1. Turn key to "OFF" position and remove from vehicle.
2. Order battery (PN 4013045).
3. Charge battery per instructions included with the battery.
4. Remove the hood and both side panels.
5. Verify the unit is not in reverse.
6. Remove the exhaust pipe and silencer.
7. Using belt removal tool, open driven clutch sheaves and remove drive belt.
8. Remove drive clutch per **MRM (Master Repair Manual)**.
9. Remove Y-pipe from engine using a 6 mm Allen socket and tip out of the way.

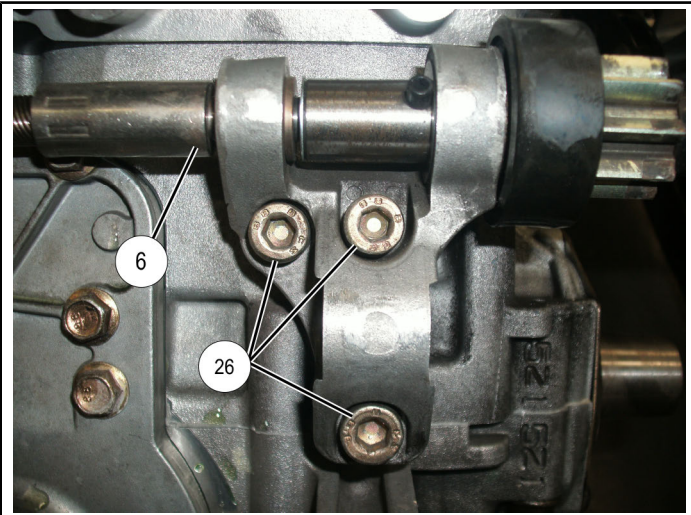
NOTE

Driven clutch cover will not open if stopped in reverse mode.

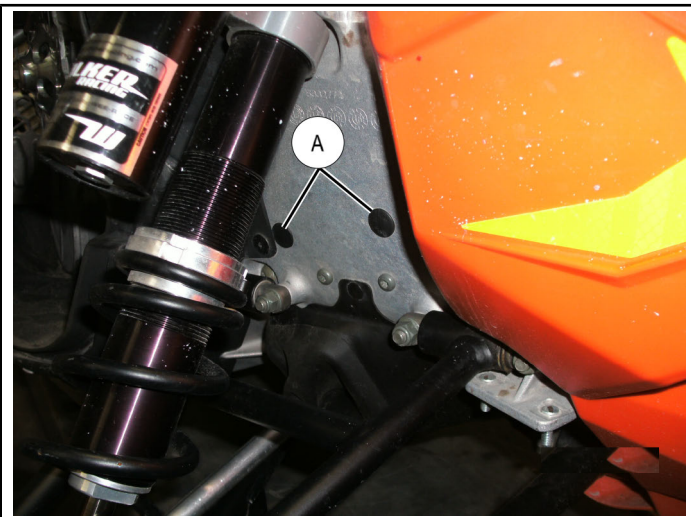
10. Install pinion and pinion bracket assembly ⑥ using three screws ②⑥ as shown. Torque screws to specification.

TORQUE

18 ft. lbs. (24.4 Nm)



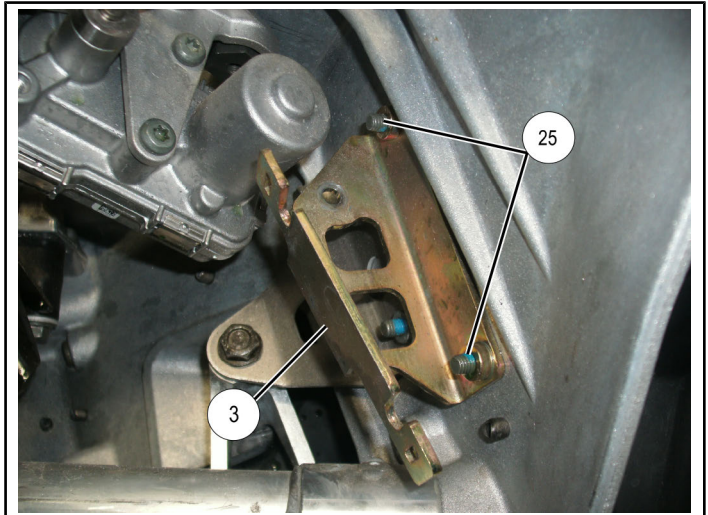
11. If equipped, remove two plastic clips (A) from RH bulkhead side shown.



12. Install electric start bracket ③ to right side of the bulkhead using two screws ②⑤ as shown, with T-30 torx. Torque bolts to specification.

TORQUE

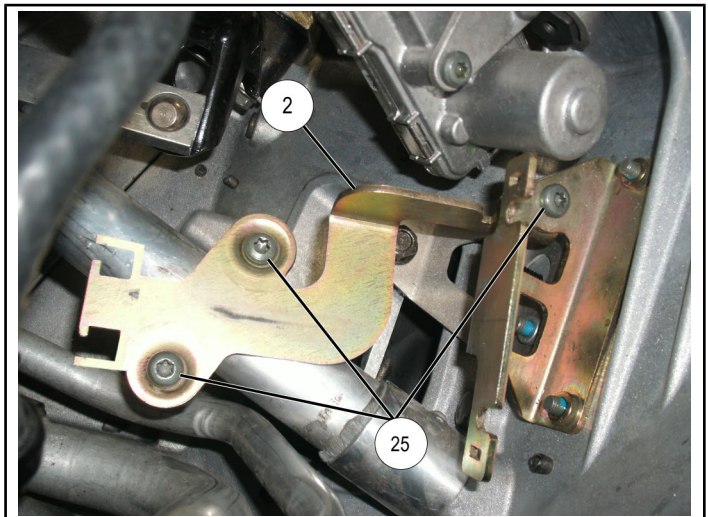
7.5 ft. lbs. (10 Nm)



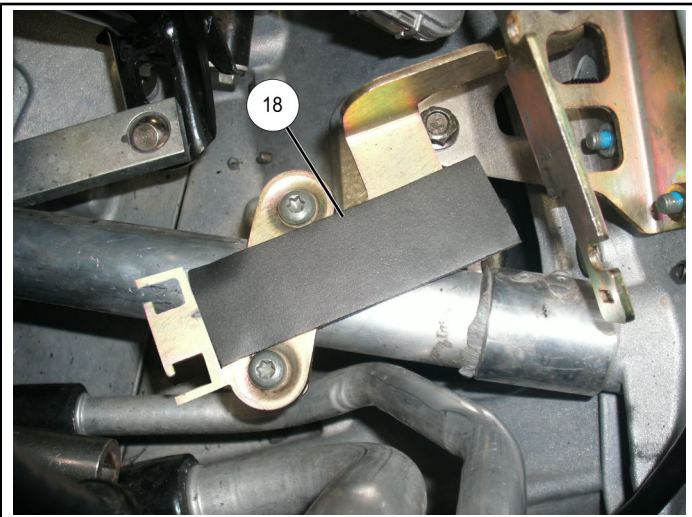
13. Install electric start crosstube bracket ② and electric start crosstube lower U-bracket to the crosstube using three screws ②⑤ as shown. Loosely tighten all three bolts to align parts, using the T-30 torx. Torque to specification.

TORQUE

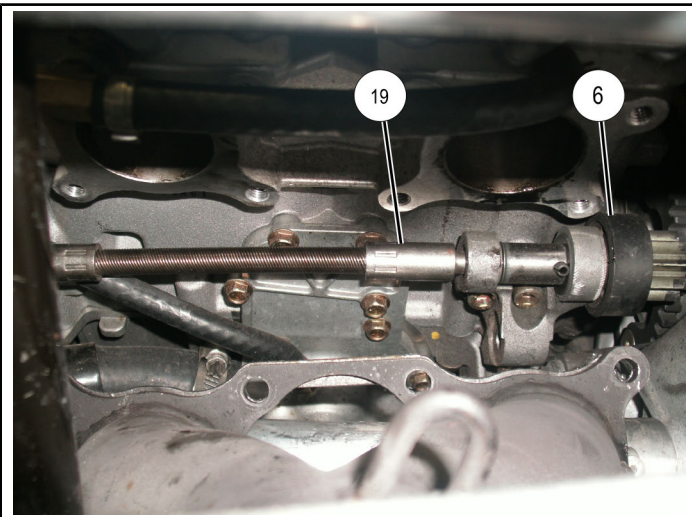
7.5 ft. lbs. (10 Nm)



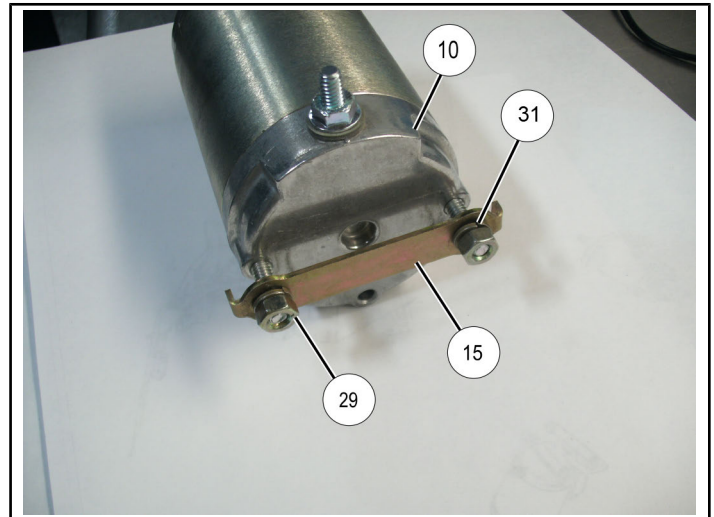
14. Apply foam pad ⑱ to the electric start bracket as shown.



15. Install the flex drive ⑲ into the starter drive ⑥ as shown. Reinstall the y-pipe and replace gasket if necessary (not included in kit, see dealer).



16. Install plate ⑮ with the tabs facing the starter ⑩ on to the back two bolts followed by lock washers ⑳ and then the nuts ㉑ as shown. Do not tighten at this time.



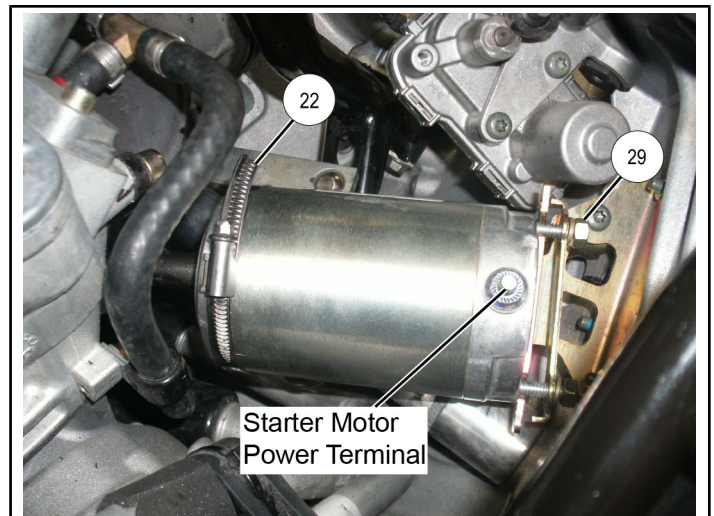
17. Loosely install band clamp ㉒ onto starter motor. Insert flex drive into starter motor end and install starter motor into its brackets as shown.

18. Position the band clamp around the starter motor and the tabs on the starter motor bracket, only as shown. Torque the forward nut ㉑ on the back side of the starter to specification.

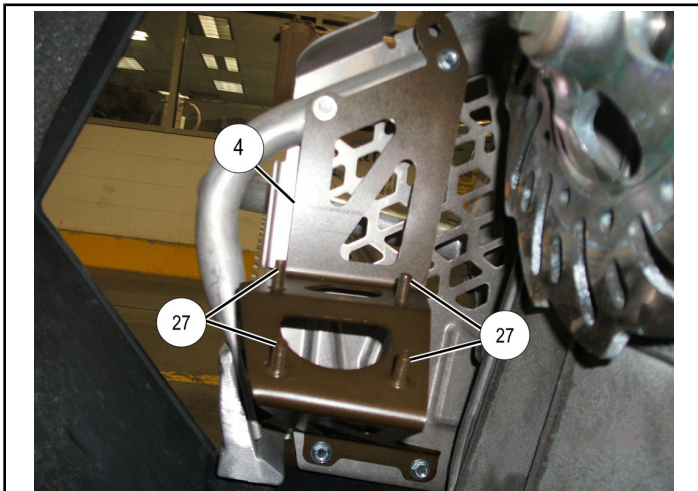
TORQUE

8 ft. lbs. (11 Nm)

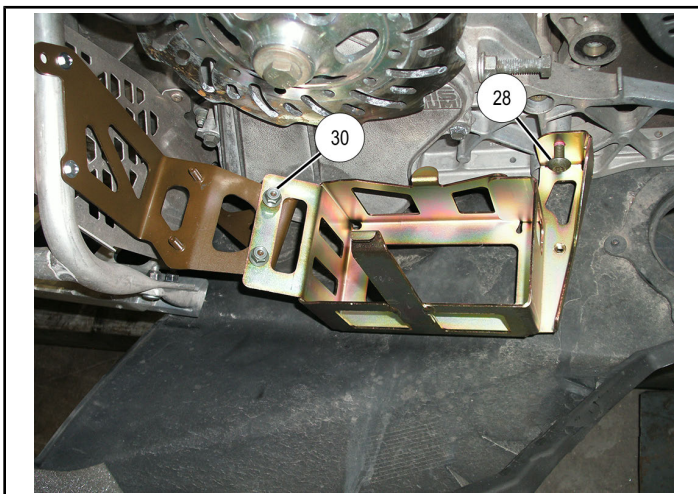
Tighten band clamp ㉒, check for correct positioning of band clamp as you tighten. Do not over tighten band clamp.



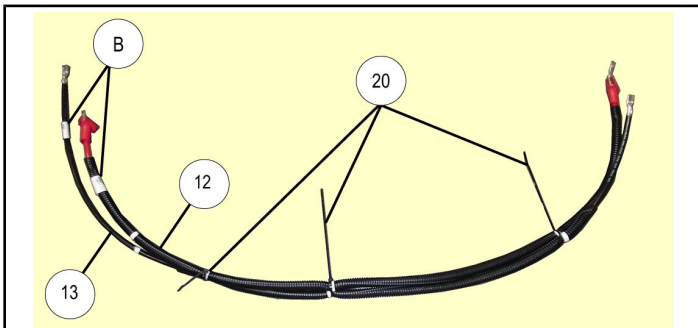
19. Mount the battery box bracket ④ to LH foot rest using four screws ⑳ as shown.



Mount the battery box to battery box bracket using nuts ⑳ and to the bulkhead side using screw ㉔ as shown.

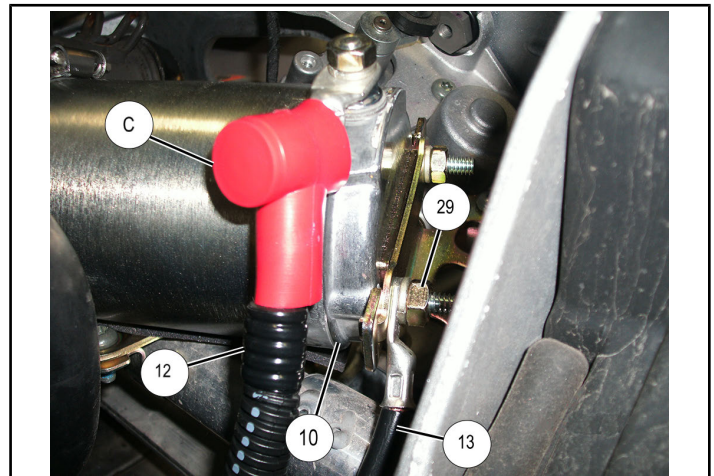


20. Assemble cables ⑫ and ⑬ as shown, with both part number tags (B) on the solenoid ends of cables. Tie the cables together at three white taped locations with Panduit strap ㉔ as shown.

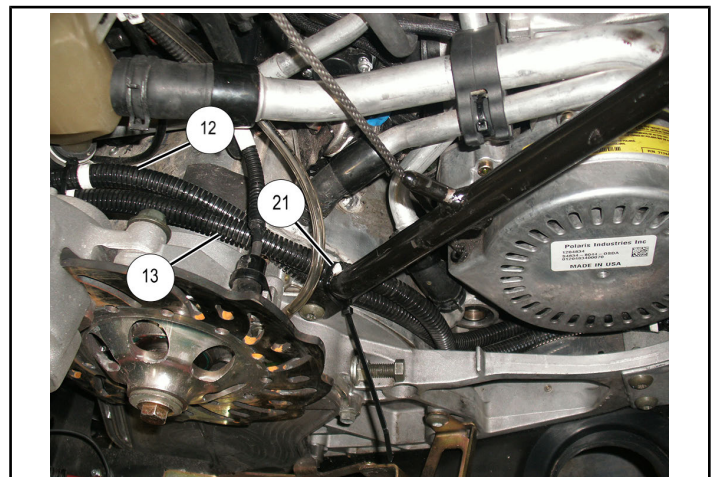


21. Install red cable ⑫ to starter motor power terminal. Install red cable protective cover (C) over connection to starter. Attach black cable ⑬ to the loose nut on the back side of the starter and tighten to specification.

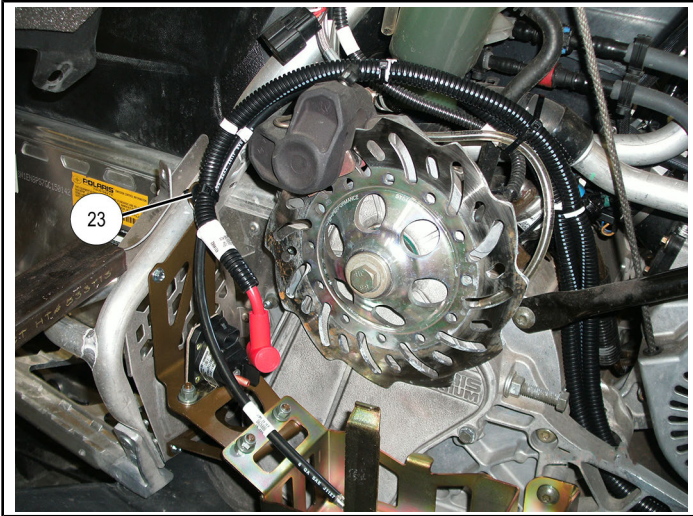
TORQUE
8 ft. lbs. (11 Nm)



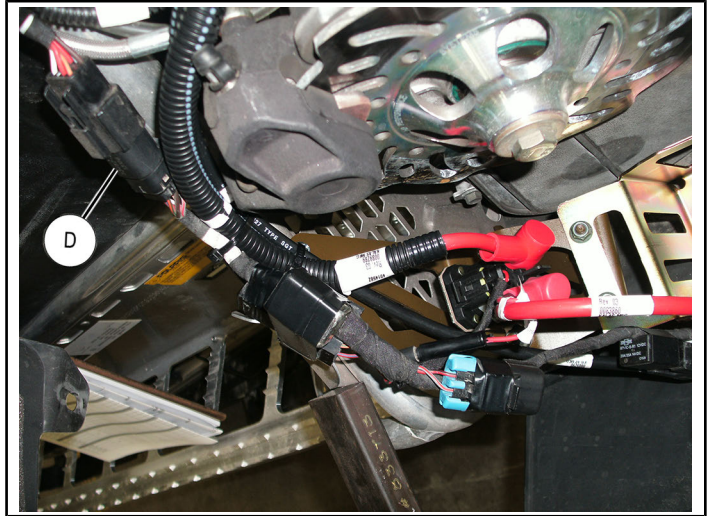
Route cables ⑫ and ⑬ above brake caliper under recoil housing and up to the starter motor as shown. Tie both cables around brace tube with Panduit strap ㉔.



Install routing clip ⑬ into hole in battery box bracket and tie both red and black battery cable as shown.



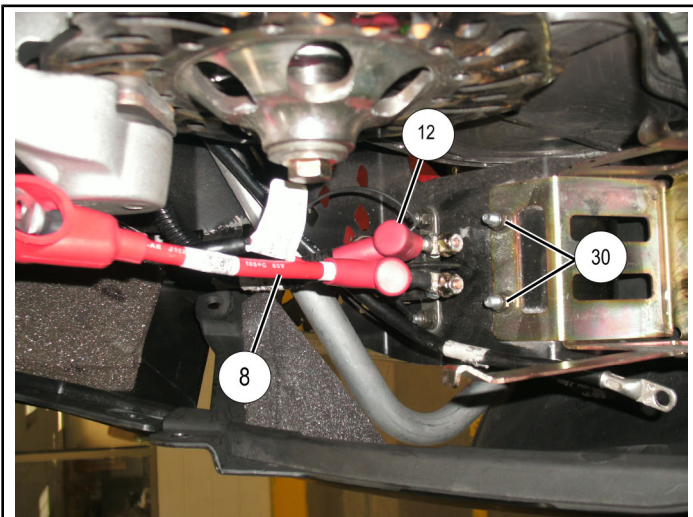
Connect main electric start harness connector (D), solenoid connector and small red wire connector as shown.



22. Install red cables ⑧ and ⑫ on to the solenoid with locking nut ③①, and torque to specification.

TORQUE
8 ft. lbs. (11 Nm)

Slide rubber protectors over solenoid nuts ③① as shown.



23. Install battery (E) (PN 4013045) and terminals as shown. Slide protective cover over the red terminal. Install battery box heat shield ⑮ and rubber strap ⑰ with D-rings ⑱ on the ends. Torque screw to specification.

TORQUE
7.5 ft. lbs. (10 Nm)



24. Install new electric start clutch ⑦ and torque to specification, refer to **Master Repair Manual**. Reinstall exhaust pipe, resonator, hood. Reconnect the headlights, reinstall drive belt and side panels.