SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-14EXML11-501	DATE : 2014-01-14
SUBJECT : REMOVAL AND INSTALLATION OF ROCKER COVER CAMSHAFT		<DESTINATION/MODEL> (As per attached sheet 1) <M/Y> 07-14
GROUP : GENERAL(Gr:11C/11D/11H)		OUTLANDER(CW0W)/NATIVA/ PAJERO SPORT/MONTERO SPORT(KH8W)

1. Description :

Please refer to the attached document for the correction of the error in writing existing in the applicable service manual.

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 4-10)

For overseas market

<OUTLANDER>

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
EU/RUSSIA	2008 OUTLANDER Workshop Manual	CGXE08E2-CD(English) CGXS08E2-CD(Spanish) CGXF08E2-CD(French) CGXG08E2-CD(German) RUSSIA:N/A	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-06900-01)	Attached sheet 4
	2009 OUTLANDER Workshop Manual	CGXE09E2-CD(English) CGXS09E2-CD(Spanish) CGXF09E2-CD(French) CGXG09E2-CD(German) CGXI09E2-CD(Italia) RUSSIA:N/A	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-13300-01)	Attached sheet 5
	2010 OUTLANDER Workshop Manual	CGXE10E1-CD(English) CGXS10E1-CD(Spanish) CGXF10E1-CD(French) CGXG10E1-CD(German) CGXI10E1-CD(Italia) RUSSIA:N/A	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-15500-01)	Attached sheet 6
	2011 OUTLANDER Workshop Manual	CGXE11E1-CD(English) CGXS11E1-CD(Spanish) CGXF11E1-CD(French) CGXG11E1-CD(German) CGXI11E1-CD(Italia) RUSSIA:N/A		
	2012 OUTLANDER Workshop Manual	CGXE12E1-CD(English) CGXS12E1-CD(Spanish) CGXF12E1-CD(French) CGXG12E1-CD(German) CGXI12E1-CD(Italia) RUSSIA:N/A		
EXP/MMAL	2007 OUTLANDER Workshop Manual	PWRE0607R(English) MMAL:MR936083	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-04700-01)	Attached sheet 7
HK (JAPAN SPEC)	2008 OUTLANDER Workshop Manual	PWRE0712R(English)	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-11100-01)	Attached sheet 4
EXP/GCC	2008 OUTLANDER Workshop Manual	PWRE0707R(English) PWRS0708R(Spanish)	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-06900-01)	Attached sheet 4
TAIWAN	2008 OUTLANDER Workshop Manual	DRAFT		

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
EXP/GCC/ MMAL	2009 OUTLANDER Workshop Manual	PWRE0810R(English) PWRS0811R(Spanish) MMAL:MR936477	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-13300-01)	Attached sheet 5
	2010 OUTLANDER Workshop Manual	PWRE0906R(English) PWRS0907R(Spanish) MMAL:MR936925	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-15500-01)	Attached sheet 6

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
	2011 OUTLANDER Workshop Manual	PWRE1012R(English) PWRS1013R(Spanish) MMAL:AU900052		
	2012 OUTLANDER Workshop Manual	PWRE1103R(English) PWRS1104R(Spanish) MMAL:AU900211		
HK (JAPAN SPEC)	2009 OUTLANDER Workshop Manual	MSB-08X00-015	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-11100-01)	Attached sheet 4
	2010 OUTLANDER Workshop Manual	MSB-08X00-015		
CHINA	2012 OUTLANDER Workshop Manual	DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-15500-01)	Attached sheet 6
MMNA	2007 OUTLANDER Service Manual	MSCD-007B-2007	G11B: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-08100-01)	Attached sheet 8
MMNA	2008 OUTLANDER Service Manual	MSCD-007B-2008	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-08100-01)	
MEXICO		DRAFT		
MMNA	2009 OUTLANDER Service Manual	MSCD-007B-2009	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-08100-01)	
MEXICO		DRAFT		
KOREA		DRAFT		
MMNA	2010 OUTLANDER Service Manual	MSCD-007B-2010	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-16600-01)	Attached sheet 9
MEXICO		DRAFT		
KOREA		DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-18800-01)	
MMNA/ MEXICO	2011 OUTLANDER Service Manual	MSCD-007B-2011 MEXICO:DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-16600-01)	
KOREA		DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-18800-01)	
MMNA/ MEXICO	2012 OUTLANDER Service Manual	MSCD-007B-2012 MEXICO:DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-16600-01)	
KOREA		DRAFT	G11D: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-18800-01)	

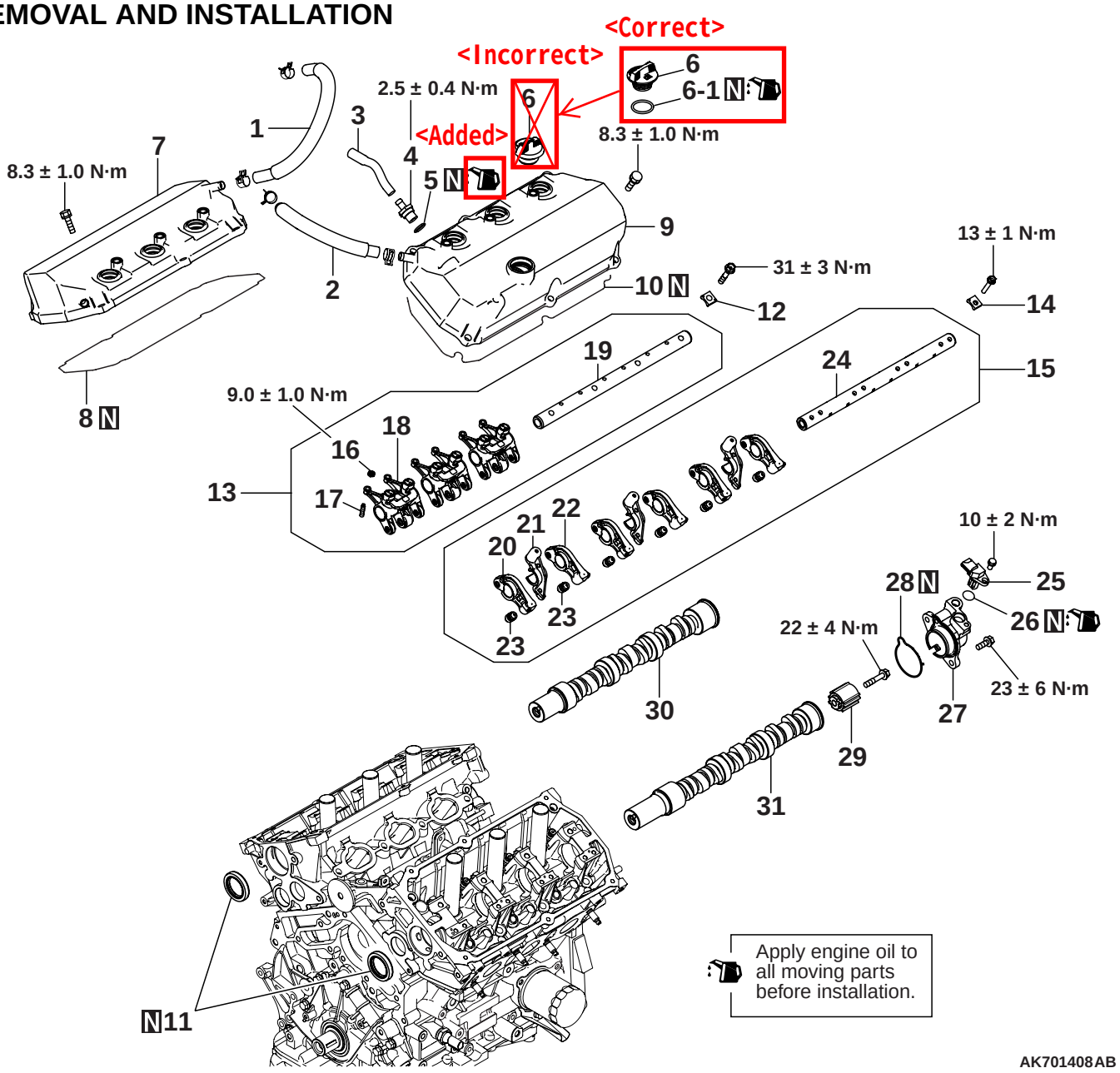
Attached sheet 1(3/3)

<PAJERO SPORT/MONTERO SPORT>

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
EXP/GCC/ RUSSIA/ THAI/ MMAL/ MEXICO	2010 NATIVA/ PAJERO SPORT/ MONTERO SPORT Workshop Manual	PWJE0910R(English) PWJS0911R(Spanish) RUSSIA:N/A THAI:DRAFT MMAL:MR936972 MEXICO:DRAFT	G11H: ROCKER COVER AND CAMSHAFT REMOVAL AND INSTALLATION (M133-00-570-17700-01)	Attached sheet 10

Destination	Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
	2011 NATIVA/ PAJERO SPORT/ MONTERO SPORT Workshop Manual	PWJE1004R(English) PWJS1005R(Spanish) RUSSIA:N/A THAI:DRAFT MMAL:MR936972 MEXICO:DRAFT		
	2012 NATIVA/ PAJERO SPORT/ MONTERO SPORT Workshop Manual	PWPE1109R(English) PWPS1110R(Spanish) RUSSIA:N/A THAI:DRAFT MMAL:MR936972 MEXICO:DRAFT		
	2013 NATIVA/ PAJERO SPORT/ MONTERO SPORT Workshop Manual	PWJE1211R(English) PWJS1212R(Spanish) RUSSIA:N/A THAI:DRAFT MMAL:MR936972 MEXICO:DRAFT		
	2014 NATIVA/ PAJERO SPORT/ MONTERO SPORT Workshop Manual	PWJE1310R(English) PWJS1311R(Spanish) RUSSIA:N/A THAI:DRAFT MMAL:MR936972 MEXICO:DRAFT		

REMOVAL AND INSTALLATION



AK701408AB

Removal steps

1. Blow-by hose
2. Blow-by hose
3. PCV hose
4. PCV valve
5. O-ring
6. ~~Oil filler cap~~ <Incorrect>

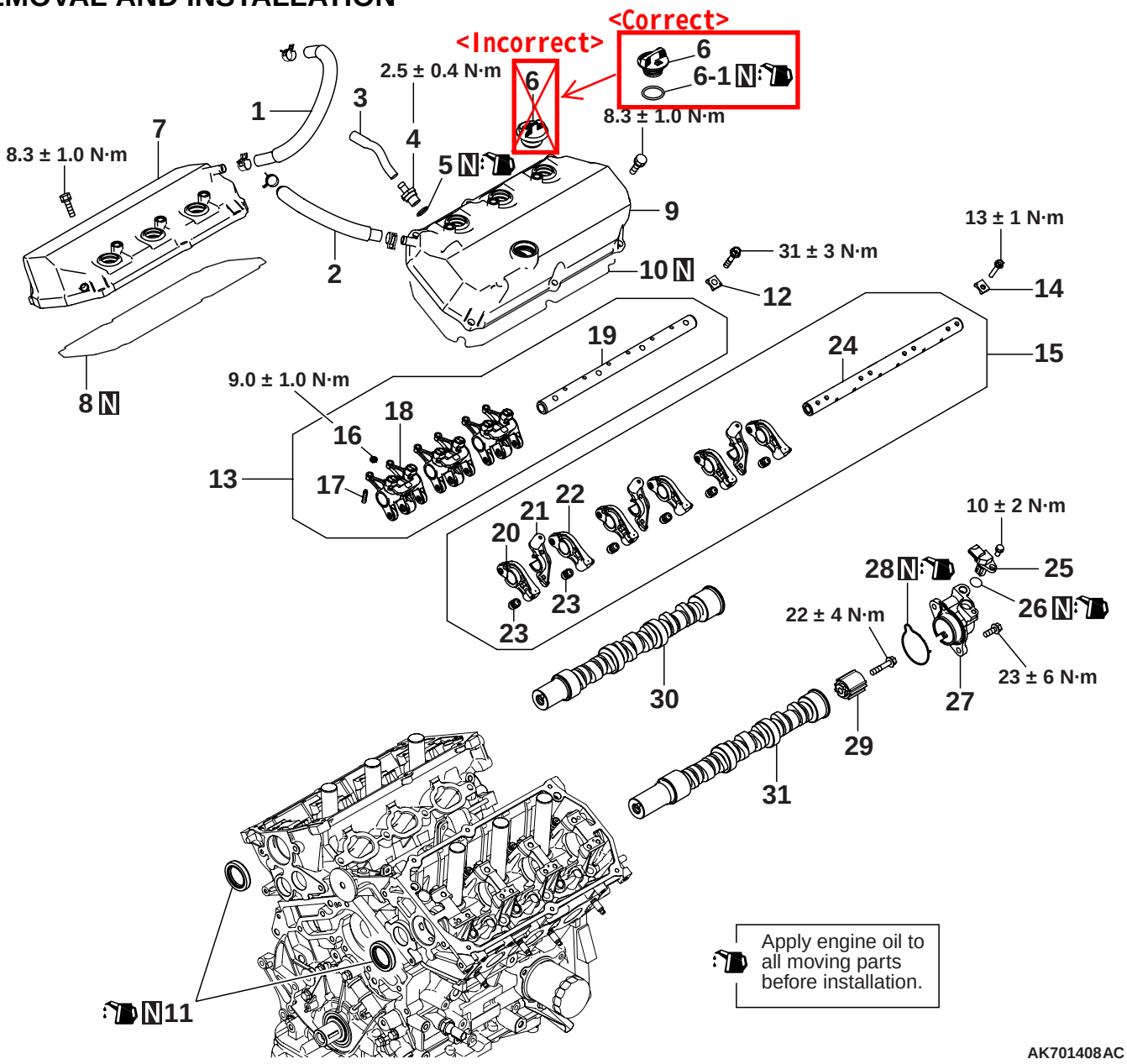
<Correct>
6. Oil filler cap
6-1. O-ring

>>G<< 7. Rocker cover, right
8. Rocker cover gasket
>>G<< 9. Rocker cover, left
10. Rocker cover gasket
>>F<< 11. Camshaft oil seal
>>E<< 12. Rocker shaft cap, intake
<<A>> >>E<< 13. Rocker arms and shaft, intake
>>E<< 14. Rocker shaft cap, exhaust
<<A>> >>E<< 15. Rocker arms and shaft, exhaust
16. Nut

Removal steps (Continued)

>>D<< 17. Adjusting screw
18. Rocker arm assembly
19. Rocker arm shaft, intake
20. Rocker arm C
21. Piston arm assembly
22. Rocker arm D
>>C<< 23. Lash adjuster
24. Rocker arm shaft, exhaust
25. Camshaft position sensor
26. O-ring
27. Camshaft position sensor support
28. Camshaft position sensor support gasket
<<B>> >>B<< 29. Cam position sensing cylinder
>>A<< 30. Camshaft, right
>>A<< 31. Camshaft, left

REMOVAL AND INSTALLATION



AK701408AC

Removal steps

1. Blow-by hose
2. Blow-by hose
3. PCV hose
4. PCV valve
5. O-ring

<Correct> 6. Oil filler cap
6-1. O-ring

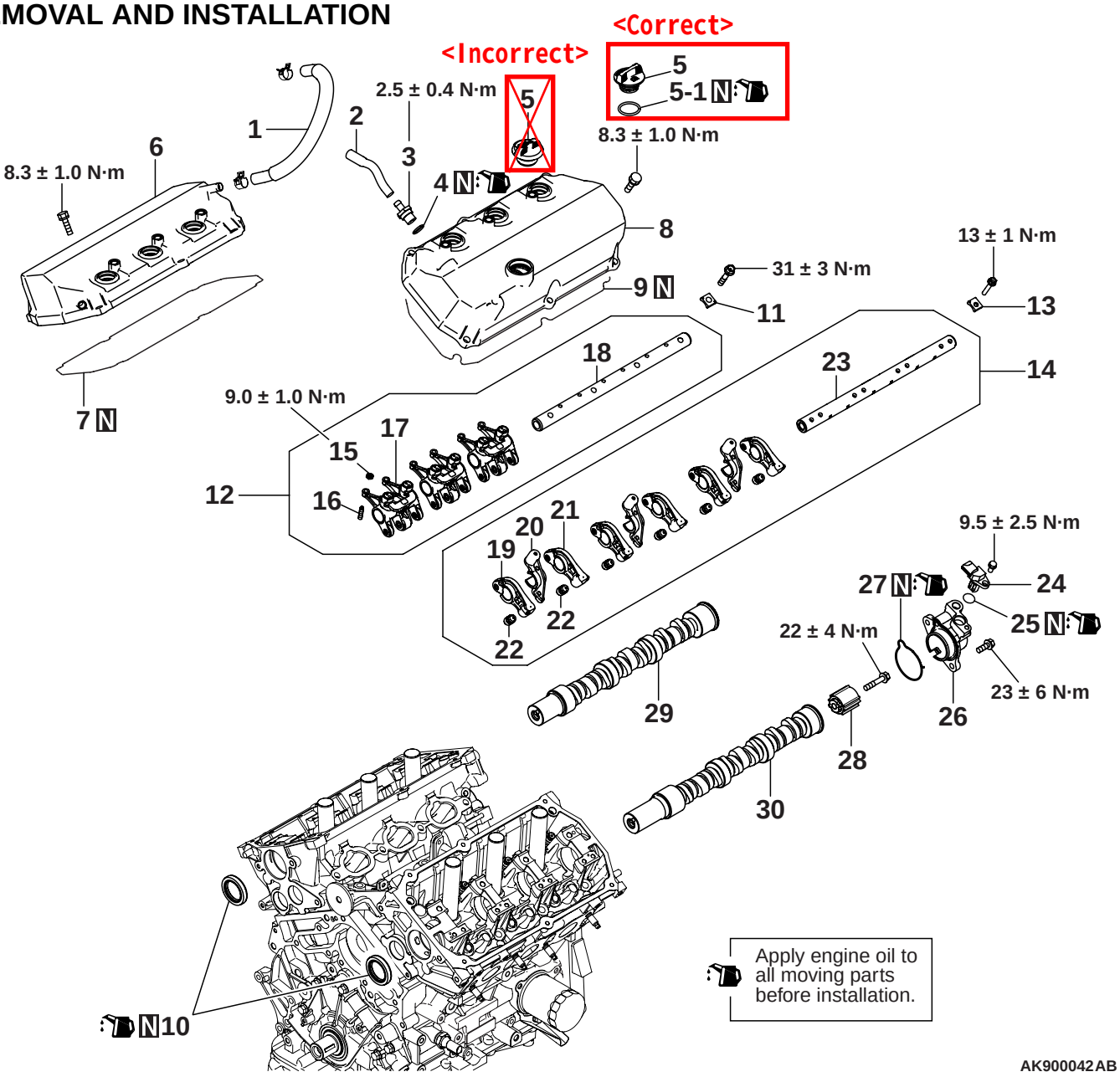
<Incorrect> 6. ~~Oil filler cap~~

>>G<< 7. Rocker cover, right
8. Rocker cover gasket
>>G<< 9. Rocker cover, left
10. Rocker cover gasket
>>F<< 11. Camshaft oil seal
>>E<< 12. Rocker shaft cap, intake
<<A>> >>E<< 13. Rocker arms and shaft, intake
>>E<< 14. Rocker shaft cap, exhaust
<<A>> >>E<< 15. Rocker arms and shaft, exhaust
16. Nut

Removal steps (Continued)

>>D<< 17. Adjusting screw
18. Rocker arm assembly
19. Rocker arm shaft, intake
20. Rocker arm C
21. Piston arm assembly
22. Rocker arm D
>>C<< 23. Lash adjuster
24. Rocker arm shaft, exhaust
25. Camshaft position sensor
26. O-ring
27. Camshaft position sensor support
28. Camshaft position sensor support gasket
<<B>> >>B<< 29. Cam position sensing cylinder
>>A<< 30. Camshaft, right
>>A<< 31. Camshaft, left

REMOVAL AND INSTALLATION



Removal steps

1. Breather hose
2. PCV hose
3. PCV valve
4. O-ring

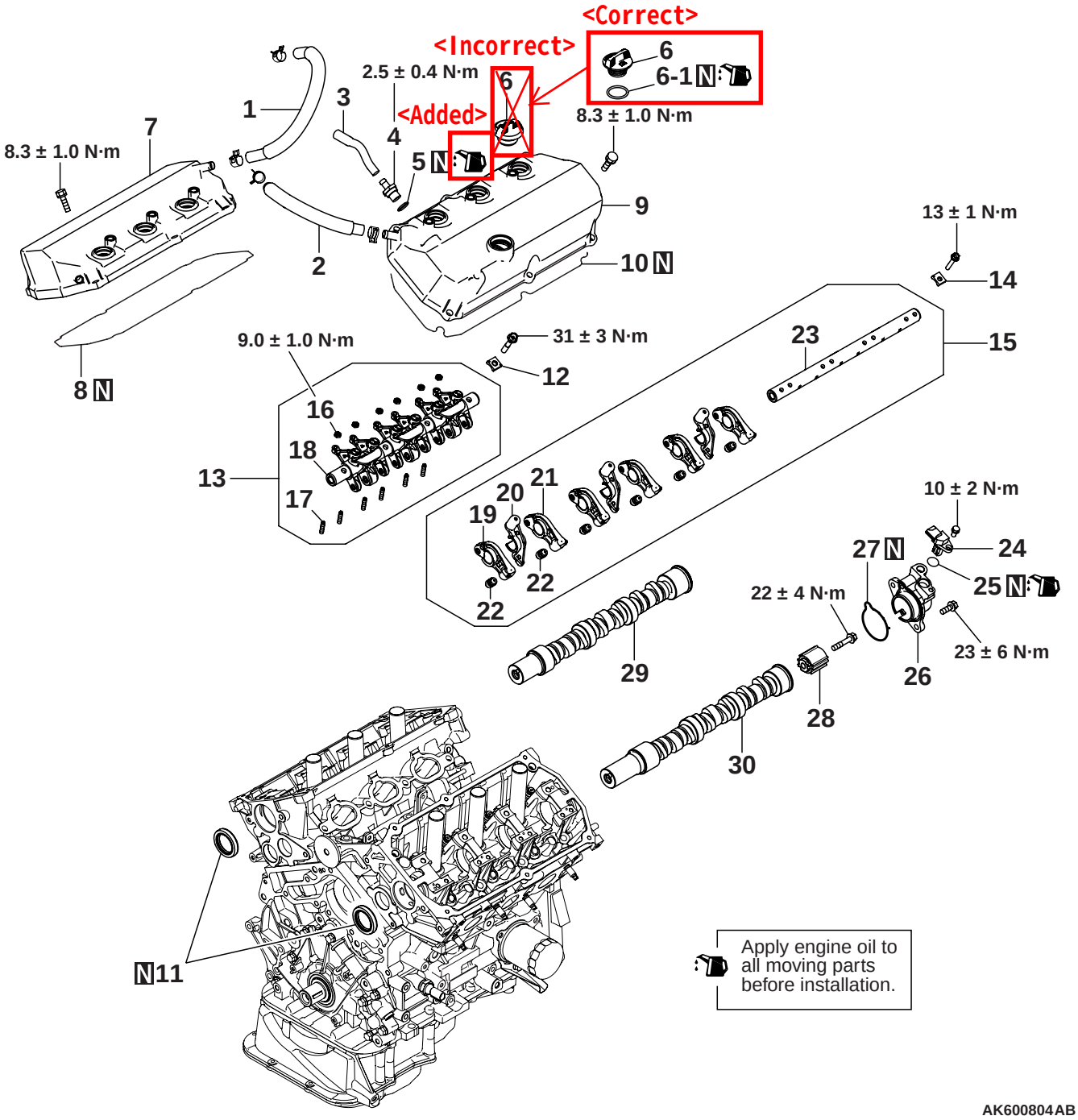
<Incorrect> 5. ~~Oil filler cap~~ <Correct> 5. Oil filler cap, 5-1. O-ring

>>G<< 6. Rocker cover, right
7. Rocker cover gasket
>>G<< 8. Rocker cover, left
9. Rocker cover gasket
>>F<< 10. Camshaft oil seal
>>E<< 11. Rocker shaft cap, inlet
<<A>> >>E<< 12. Rocker arms and shaft, inlet
>>E<< 13. Rocker shaft cap, exhaust
<<A>> >>E<< 14. Rocker arms and shaft, exhaust
15. Nut
>>D<< 16. Adjusting screw

Removal steps (Continued)

17. Rocker arm assembly
18. Rocker arm shaft, inlet
19. Rocker arm C
20. Piston arm assembly
21. Rocker arm D
>>C<< 22. Lash adjuster
23. Rocker arm shaft, exhaust
24. Camshaft position sensor
25. O-ring
26. Camshaft position sensor support
27. Camshaft position sensor support gasket
<<B>> >>B<< 28. Cam position sensing cylinder
>>A<< 29. Camshaft, right
>>A<< 30. Camshaft, left

REMOVAL AND INSTALLATION



AK600804AB

Removal steps

1. Blow-by hose
2. Blow-by hose
3. PCV hose
4. PCV valve
5. O-ring

<Incorrect> ~~6. Oil filler cap~~

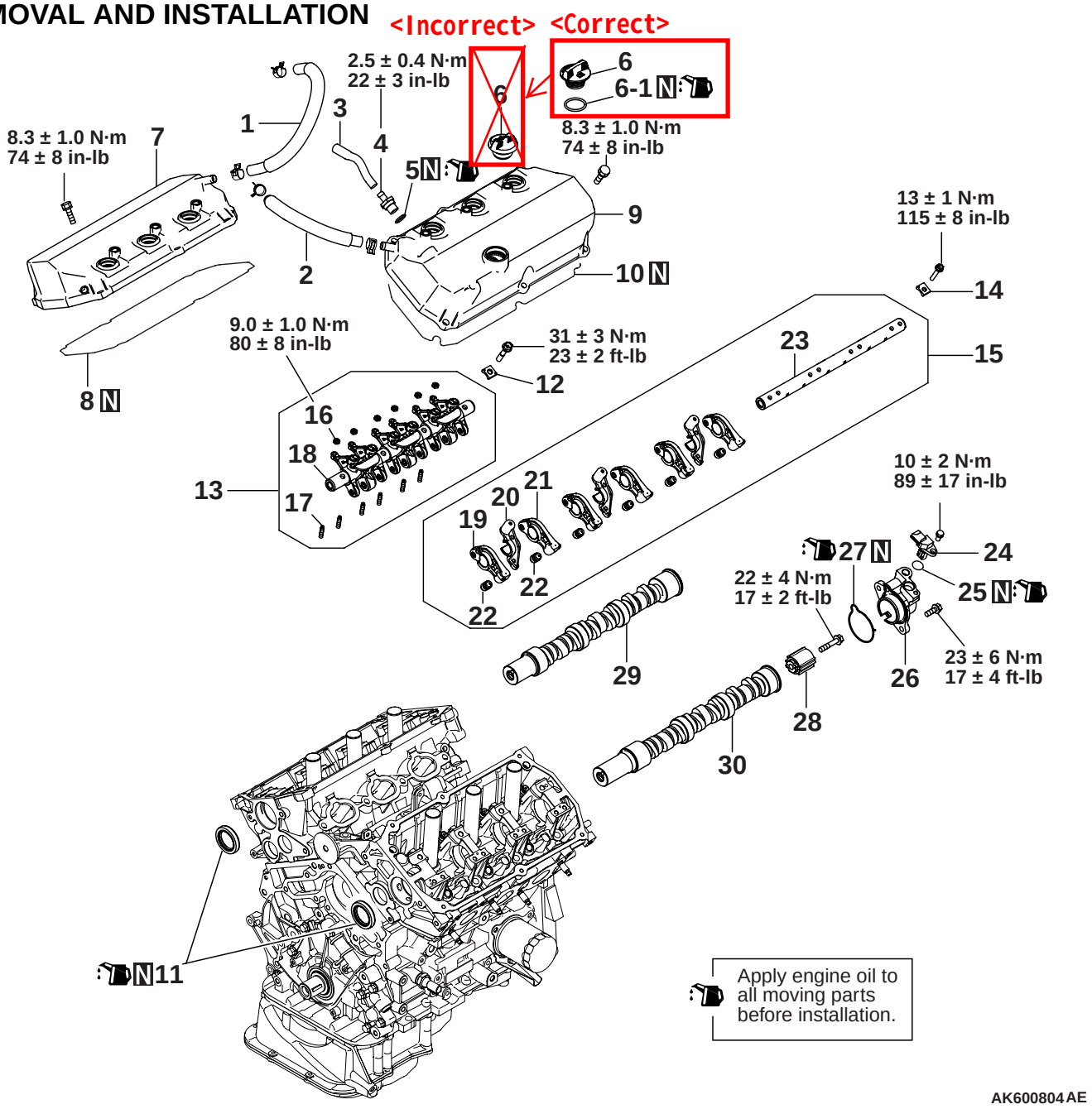
<Correct> 6. Oil filler cap, 6-1. O-ring <<B>>

>>G<< 7. Rocker cover, right
8. Rocker cover gasket
>>G<< 9. Rocker cover, left
10. Rocker cover gasket
>>F<< 11. Camshaft oil seal
>>E<< 12. Rocker shaft cap, intake
>>E<< 13. Rocker arms and shaft, intake

Removal steps (Continued)

>>E<< 14. Rocker shaft cap, exhaust
<<A>> >>E<< 15. Rocker arms and shaft, exhaust
16. Nut
>>D<< 17. Adjusting screw
18. Rocker arm shaft assembly
19. Rocker arm C
20. Piston arm assembly
21. Rocker arm D
>>C<< 22. Lash adjuster
23. Rocker arm shaft
24. camshaft position sensor
25. O-ring
26. camshaft position sensor support

REMOVAL AND INSTALLATION



AK600804 AE

Removal steps

1. Blow-by hose
2. Blow-by hose
3. Positive crankcase ventilation hose
4. Positive crankcase ventilation vale
5. O-ring

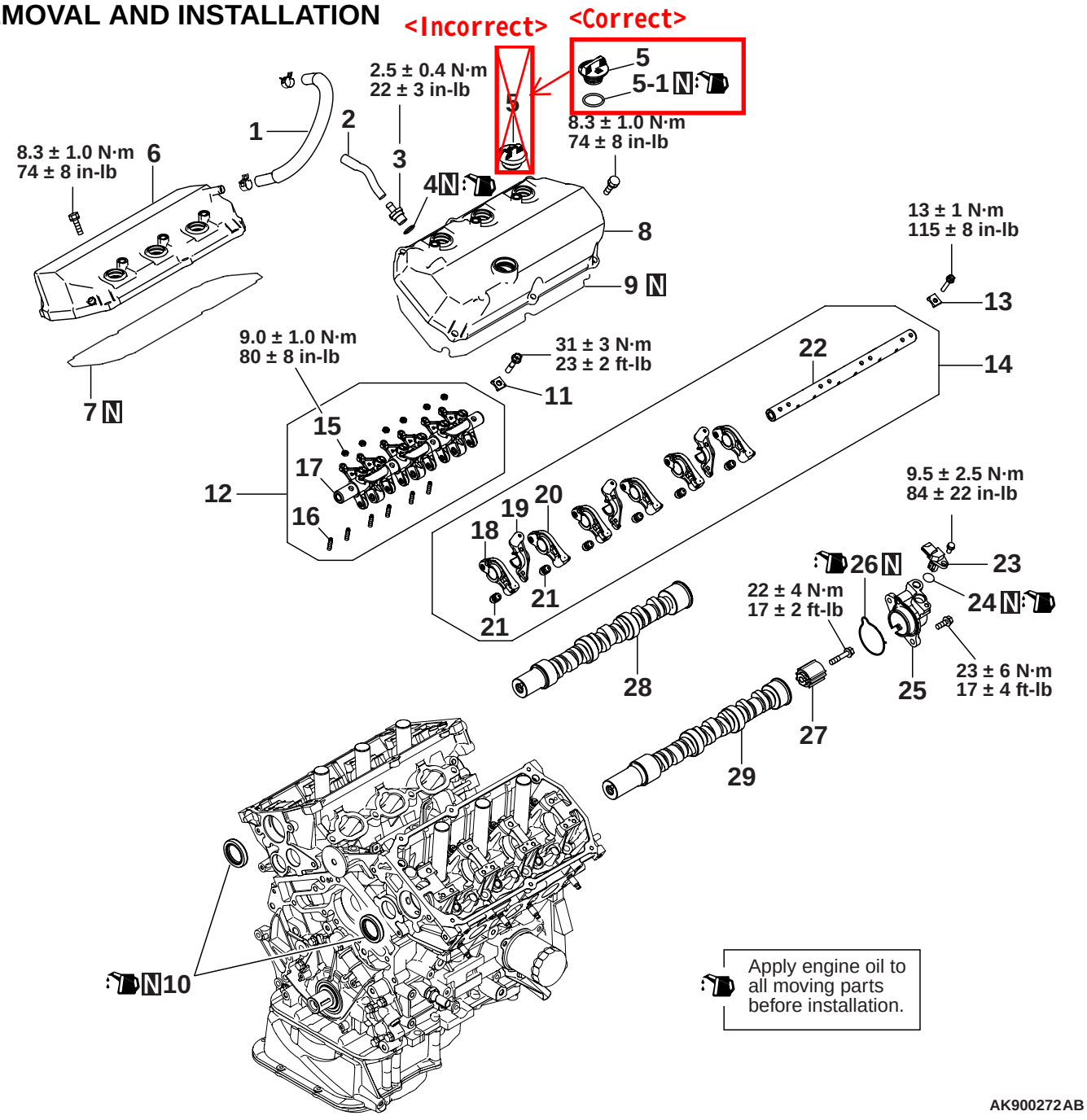
<Incorrect> 6. ~~Oil filler cap~~ <Correct> 6. Oil filler cap, 6-1. O-ring

>>G<< 7. Rocker cover, right
8. Rocker cover gasket
>>G<< 9. Rocker cover, left
10. Rocker cover gasket
>>F<< 11. Camshaft oil seal
>>E<< 12. Rocker shaft cap, intake
>>E<< 13. Rocker arms and shaft, intake

Removal steps (Continued)

>>E<< 14. Rocker shaft cap, exhaust
<<A>> >>E<< 15. Rocker arms and shaft, exhaust
16. Nut
>>D<< 17. Adjusting screw
<<B>> 18. Rocker arm shaft assembly
19. Rocker arm C
20. Piston arm assembly
21. Rocker arm D
>>C<< 22. Lash adjuster
23. Rocker arm shaft
24. Camshaft position sensor
25. O-ring
26. Camshaft position sensor support

REMOVAL AND INSTALLATION



Removal steps

1. Blow-by hose
2. Positive crankcase ventilation hose
3. Positive crankcase ventilation vale
4. O-ring

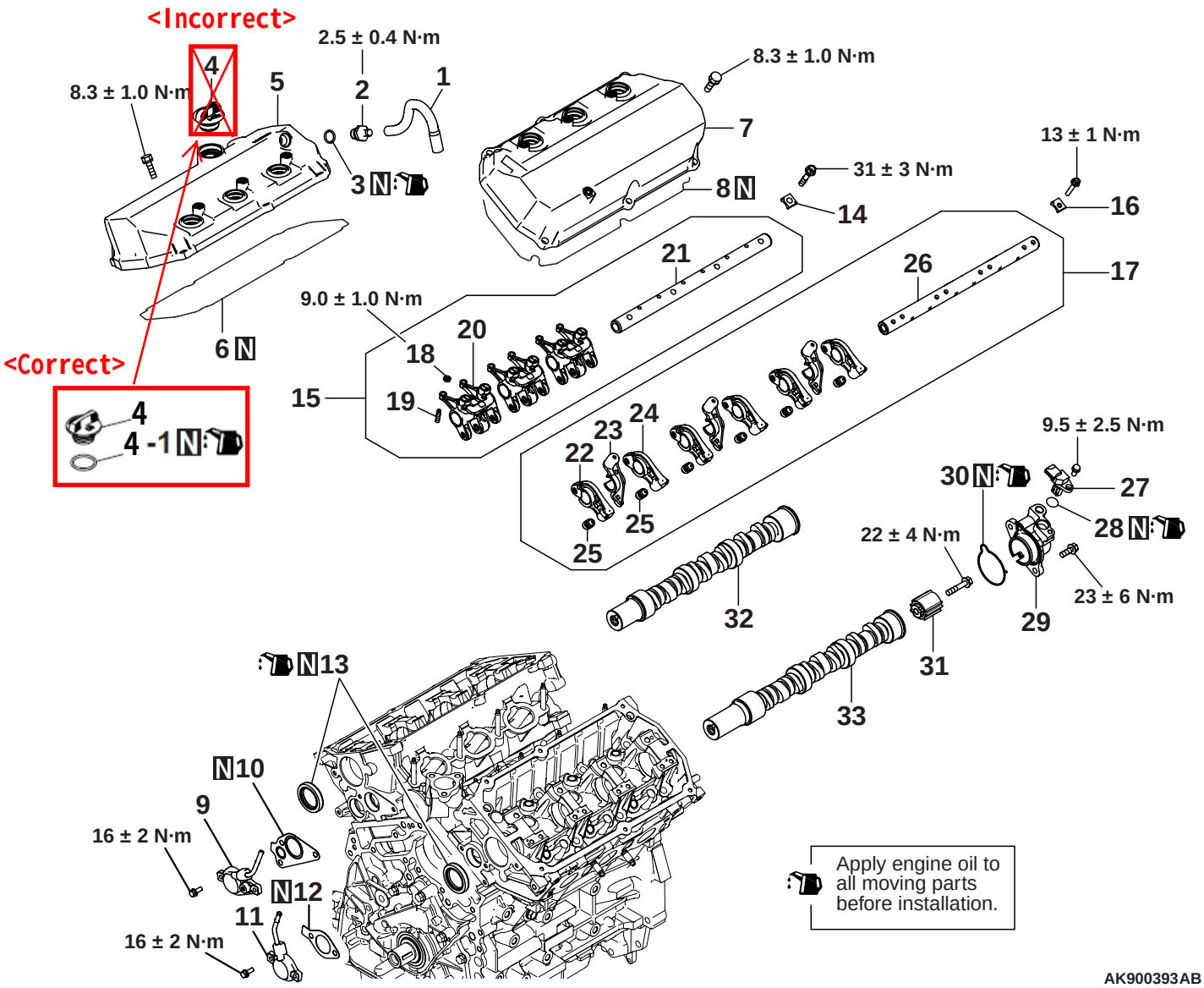
<Incorrect> 5. ~~Oil filler cap~~ <Correct> 5. Oil filler cap
5-1. O-ring

>>G<< 6. Rocker cover, right
7. Rocker cover gasket
>>G<< 8. Rocker cover, left
9. Rocker cover gasket
>>F<< 10. Camshaft oil seal
>>E<< 11. Rocker shaft cap, intake
>>E<< 12. Rocker arms and shaft, intake
>>E<< 13. Rocker shaft cap, exhaust

Removal steps (Continued)

<<A>> >>E<< 14. Rocker arms and shaft, exhaust
15. Nut
>>D<< 16. Adjusting screw
<<B>> 17. Rocker arm shaft assembly
18. Rocker arm C
19. Piston arm assembly
20. Rocker arm D
>>C<< 21. Lash adjuster
22. Rocker arm shaft
23. Camshaft position sensor
24. O-ring
25. Camshaft position sensor support

REMOVAL AND INSTALLATION



AK900393AB

Removal steps

1. PCV hose
2. PCV valve
3. O-ring

<Incorrect>
4. ~~Oil filler cap~~

<Correct>
4. Oil filler cap
4-1. O-ring

>>H<< 5. Rocker cover <right bank>
6. Rocker cover gasket
>>H<< 7. Rocker cover <left bank>
8. Rocker cover gasket
9. Water outlet fitting right
10. Water outlet fitting gasket
11. Water outlet fitting left
>>G<< 12. Water outlet fitting gasket
>>F<< 13. Camshaft oil seal
>>E<< 14. Rocker shaft cap, inlet
<<A>> >>E<< 15. Rocker arms and shaft, inlet
>>E<< 16. Rocker shaft cap, exhaust
<<A>> >>E<< 17. Rocker arms and shaft, exhaust

Removal steps (Continued)

18. Nut
>>D<< 19. Adjusting screw
20. Rocker arm assembly
21. Rocker arm shaft, inlet
22. Rocker arm C
23. Piston arm assembly
24. Rocker arm D
>>C<< 25. Lash adjuster
26. Rocker arm shaft, exhaust
27. Camshaft position sensor
28. O-ring
29. Camshaft position sensor support
30. Camshaft position sensor support gasket
<<B>> >>B<< 31. Cam position sensing cylinder
>>A<< 32. Camshaft, right
>>A<< 33. Camshaft, left