Umhlahlandlela wezilawuli zemoto

Funda, ubuyekeze bese uprinta izinto zokufunda ngolimi lwakho. Akudingeki ubhalise.

I-K53 CLLT iwusizo oluzimele lokulungiselela isivivinyo. Imibuzo nezikrini zokuzilolonga akusona isivivinyo esisemthethweni noma ibhange laso lemibuzo eliphelele. Amaphuzu okuzilolonga awaqinisekisi ukuphumelela.

Izingxenye nezilawuli zesithuthuthu

Bona izingxenye zesithuthuthu, thola isilawuli ngasinye sesandla nesonyawo, uchaze ukuthi yiziphi ezisebenza ndawonye.

Funda umdwebo usendaweni yomshayeli

Bheka njengomgibeli ohlezi ebheke phambili: kwesokunxele nakwesokudla kungokwakhe. Umthombo uveza izithuthuthu nesibonelo esinamasondo amathathu; bona ingxenye ngomsebenzi nendawo yayo, hhayi ngombala noma isimo somzimba wemoto.

Umdwebo onezinombolo uchaza isithuthuthu esinamagiya esikhonjisiwe. Incwadi ibala nesikuta sikagesi, kodwa ayinikezi ithebula lezilawuli noma indlela yokusisebenzisa ehlukile. Ungacabangi ukuthi zonke izikuta zineklatshi, isishintshi samagiya noma ibhuleki lonyawo elikhonjisiwe.



Izilawuli ezinezinombolo nemisebenzi yazo

- 1 - Isishintshi samagiya: isilawuli sonyawo esikhonjisiwe sokukhetha igiya.
- 2 - Iklatshi: isibambo sesandla sokunxele esihlukanisa injini nebhokisi lamagiya, sisetshenziswa nesishintshi samagiya.
- 3 - Izibuko zangemuva zesokunxele nesokudla: bheka izimoto ezingemuva kwesithuthuthu.
- 4 - Ibhuleki langaphambili: isibambo sesandla sokudla sisebenzisa ibhuleki langaphambili sikhanyise nesibani sokuma.

- 5 - Isibambo sokusheshisa: isibambo esijikiswa ngesandla sokudla silawula ijubane lenjini nokungena kukaphethiloli enjinini.
- 6 - Iswishi yezinkomba: ikhombisa inhloso yokujika noma ukushintsha indlela.
- 7 - Ibhuleki langemuva: ibhuleki lonyawo elikhonjisiwe; ungaliphambanisi nesibambo sebhuleki langaphambili.
- 8 - Izibambo zokuqondisa: zilawula indlela yesithuthuthu.
- 9 - Ithangi likaphethiloli: lithole phambi kwesihlalo; alisona isilawuli sebhuleki noma sokuqondisa.

Ukushintsha amagiya nokulawula ijubane

Ukushintsha igiya kusebenzisa isishintshi 1 neklatshi 2 ndawonye. Isishintshi sikhetha igiya; iklatshi lihlukanisa injini nebhokisi lamagiya. Ukusho isibambo sokusheshisa kuphela akuchazi izilawuli zokushintsha igiya.

Isibambo sokusheshisa 5 sikhuphula noma sehlisa ijubane lenjini. Inhlanganisela egcwele yokulawula ijubane encwadini yibhuleki langaphambili 4, isibambo sokusheshisa 5 nebhuleki langemuva 7. Ukwehlisa ukusheshisa nokubhuleka yizenzo ezihlukene nakuba zombili zithinta ijubane.

Ukuma nebanga lokuma

Ukuze kumiswe isithuthuthu, umthombo uhlanganisa ibhuleki langaphambili 4 nelangemuva 7. Ngokushesha ngaphambi kokuma ngokuphelele kufakwa neklatshi 2: izilawuli 2, 4 no-7. Lokhu kuhlukanisa ukubhuleka nokungezwa kweklatshi ekupheleni kokuma.

Ibanga lokuma liyanda emgwaqweni omanzi, ngejubane eliphezulu nalapho uthwele umgibeli. Zontathu lezi zimo zandisa ibanga esibonelweni somthombo. Ungalindeli ibanga elifanayo lapho noma yisiphi sishintsha.

Ukubuka, ukukhombisa nokushintsha indlela

Izibuko 3 zikhombisa izimoto ezingemuva, iswishi yezinkomba 6 iveza inhloso yakho, izibambo 8 zishintsha indlela. Yimisebenzi ehlukene: ukukhanyisa inkomba akujikisi isithuthuthu, nokubuka esibukweni akuxwayisi abanye abasebenzisi bomgwaqo.

Ekujikeni okubukhali, umthombo ubala izilawuli 1, 2, 3, 4, 5, 7 no-8: isishintshi samagiya, iklatshi, izibuko, amabhuleki womabili, isibambo sokusheshisa nezibambo zokuqondisa. Yiqoqo elisebenza kulokho kujika, hhayi umyalelo wokusebenzisa konke ngesikhathi esisodwa.

Izimo ezichaziwe nokubuyekeza

Isibonelo: ufuna ukukhombisa ukujika kwesokunxele ube ubheka izimoto ezingemuva. Sebenzisa izibuko 3 ukubuka neswishi yezinkomba 6 ukukhombisa. Izibambo 8 ziqondisa; azithathi indawo yokubuka noma yesiginali.

Isibonelo: umbuzo ubuza izilawuli zokuma, bese ubuza okufakwa ngokushesha ngaphambi kokuma ngokuphelele. Impendulo yokuqala ngu-4 no-7; eyesibili ngu-2, 4 no-7. Funda isigaba sesenzo, hhayi igama elithi “ukuma” kuphela.

Buyekeza: bona zonke izinombolo eziyisishiyagalolunye ngaphandle kokuqagela ngokubukeka; hlukanisa izilawuli zesandla nezonyawo; hlukanisa ukubuka, ukukhombisa, ukushintsha amagiya, ukuqondisa nokubhuleka. Chaza ukuthi ubumanzi, ijubane nomgibeli kusishintsha kanjani isimo sokuma.

Izilawuli zemoto encane: amagiya ashintshwa ngesandla nazishintshayo

Funda umdwebo wezilawuli zemoto encane, uqhathanise amagiya ashintshwa ngesandla nazishintshayo, uxhumanise isilawuli nomsebenzi wokushayela.

Funda umdwebo usendaweni yomshayeli

Funda imidwebo yemoto encane usendaweni yomshayeli. Isondo lokuqondisa lingakwesokudla kulezi zibonelo. Sebenzisa umdwebo onezinombolo nethebula lezingxenye: imidwebo yezimoto ezahlukene ibonisa ukuthi amaswishi nezibambo akudingeki kufane ngesimo noma ngendawo.



Qhathanisa amagiya ashintshwa ngesandla nazishintshayo

Ekuhlelweni kwamagiya ashintshwa ngesandla okukhonjisiwe, amaphedali amathathu yiklatshi 8 kwesokunxele, ibhuleki 9 phakathi nesisheshisi 10 kwesokudla. Isishintshi samagiya 6 nebhuleki lokupaka 7 kuhlukene. Indawo yephedali ayiwona umsebenzi wayo: funda kokubili.

Ukuhlelwa kwemoto ezishintshayo kunebhuleki 9 nesisheshisi 10, kodwa akunayo iphedali yeklatshi 8. Isikhethi sayo samagiya sisebenza ngokwehlukile kwesishintshi samagiya ashintshwa ngesandla. Ungafaki iklatshi emdwebeni ngenxa nje yokuthi izinombolo zisuka ku-7 ziye ku-9.

Umthombo uthi ezinye izimoto zinebhuleki lokupaka elisetshenziswa ngonyawo. “Ibhuleki lokupaka” lichaza umsebenzi; “ibhuleki lesandla” akusho ukuthi yonke imoto inesibambo sesandla. Hlukanisa iphedali noma isibambo nebhuleki elivamile 9.



Izilawuli ezinezinombolo nemisebenzi yazo

- 1 - Isibuko sangemuva esiphakathi: bheka izimoto ezingemuva ngesibuko esingaphakathi.
- 2 - Iwipha: isula ifasitela langaphambili, kuhlanganise lapho imvula inciphisa ukubona.
- 3 - Izibuko zangaphandle: bheka izimoto ezingemuva nasezinhlangothini; khetha esokudla lapho ubheka ngemuva kwesokudla.
- 4 - Isondo lokuqondisa: lishintsha indlela yemoto.
- 5 - Iswishi yezinkomba: ikhombisa inhloso yokujika kwesokunxele noma kwesokudla noma yokushintsha indlela.
- 6 - Isishintshi noma isikhethi samagiya: sikhetha igiya; ukushintsha ngesandla kuhlanganisa neklatshi 8.
- 7 - Ibhuleki lokupaka: libamba imoto epakiwe inganyakazi.
- 8 - Iklatshi: lisiza ukufaka noma ukukhipha igiya emotweni eshintshwa ngesandla; alikho ekuhlelweni kwemoto ezishintshayo.
- 9 - Ibhuleki elivamile: isilawuli sonyawo esinciphisa ijubane noma esimisa imoto.
- 10 - Isisheshisi: isilawuli sonyawo esikhuphula ijubane; asisetshenziswa ngesandla.
- 11 - Ihutha: lixwayisa abanye abasebenzisi bomgwaqo ukusiza ukugwema ukushayisana.

Ukushintsha amagiya nokulawula ijubane

Emotweni eshintshwa ngesandla, ukushintsha amagiya kusebenzisa isishintshi 6 neklatshi 8 ndawonye. Isishintshi sikhetha igiya, iklatshi lisize ukufaka noma ukukhipha. Isibonelo semoto encane sibuye sithi iklatshi livimbela injini ukuthi icime ngokushesha ngaphambi kokuma ngokuphelele.

Bheka isibuko esiphakathi 1 ngaphambi kokushintsha ijubane noma ukubhuleka, njengoba kusho izibonelo zemoto encane. Ibhuleki 9 linciphisa ijubane noma limise; isisheshisi 10 sikhuphula ijubane. Ukubheka ngemuva kukusiza uqonde isimo sezimoto ngaphambi kwalolo shintsho.

Ukumisa nokupaka

Sebenzisa ibhuleki elivamile 9 ukunciphisa ijubane noma ukumisa imoto ehambayo, kuhlanganise nombuzo wokuma okuphuthumayo emthonjeni. Sebenzisa ibhuleki lokupaka 7 ukuyibamba inganyakazi ngemva kokupaka noma ukuyishiya ingenamuntu. Hlukanisa ukumisa imoto nokuyibamba ipakiwe.

Ibanga lokuma liyanda emgwaqweni omanzi nangejubane eliphezulu. Umgibeli noma umthwalo nawo uyalandisa ezibonelweni zomthombo. Ungalindeli ibanga elifanayo ngemva kokushintsha noma yisiphi salezi zimo.

Ukubuka, ukukhombisa nokushintsha indlela

Ngaphambi kokushintsha indlela, bheka ngezibuko ezifanele usebenzise inkomba 5 ukukhombisa inhloso. Isondo 4 bese lishintsha indlela. Isibuko esiphakathi 1 nezangaphandle 3 ndawonye zifeza ukubuka ngemuva nasezinhlangothini okushiwo umthombo.

Ekujikeni okubukhali ngemoto encane eshintshwa ngesandla, umthombo ubala 1, 4, 6, 8, 9 no-10: isibuko esiphakathi, isondo, isishintshi samagiya, iklatshi, ibhuleki nesisheshisi. Funda umsebenzi wakunye. Uhlu alusho ukucindezela wonke amaphedali kanyekanye.

Izimo ezichaziwe nokubuyekeza

Isibonelo: imvula iqala lapho udinga ukwehlisa ijubane. Amawipha 2 asebenza efasiteleni langaphambili, isibuko 1 sinikeza ulwazi lwangemuva, ibhuleki 9 lehlisa ijubane. Umgwaqo omanzi uphinde wandise ibanga lokuma. Isilawuli esisodwa asikwazi ukwenza yonke le misebenzi emine.

Isibonelo: usuka emdwebeni wamagiya ashintshwa ngesandla uye kowazishintshayo. Isilawuli esingekho yiklatshi 8. Ibhuleki 9 nesisheshisi 10 zikhona, nebhuleki lokupaka lisenomsebenzi ohlukile wokubamba.

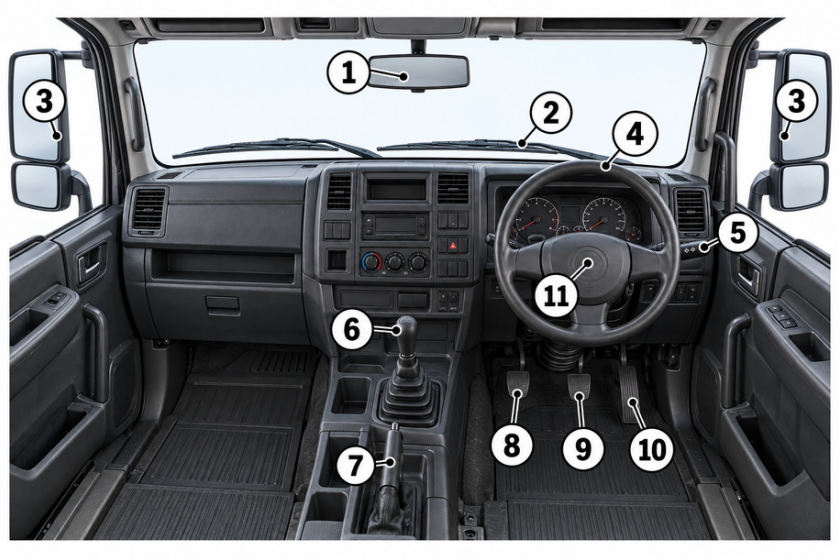
Buyekeza: thola zonke izilawuli ezinezinombolo, uchaze amaphedali amagiya ashintshwa ngesandla nawazishintshayo, uhlukanise amabhuleki avamile nawokupaka, uxhumanise ukubuka, ukukhombisa, ukubona nokushintsha amagiya nezilawuli ezifanele. Cabangela zonke izimo zebanga lokuma.

Izilawuli zemoto esindayo: amagiya ashintshwa ngesandla nazishintshayo

Bona ukuhlelwa kwendlwana yomshayeli namaphedali emoto esindayo, uchaze izilawuli zokubuka, ukuqondisa, ukumisa nokubamba imoto inganyakazi.

Funda umdwebo usendaweni yomshayeli

Funda imidwebo yemoto esindayo usendaweni yomshayeli. Qhathanisa umbono wendlwana nemidwebo yedeshibhodi namaphedali. Izibuko zangaphandle ezinkulu, izilawuli zokuqondisa namaphedali kufanele kubonakale ngemisebenzi yako, hhayi ngokukopisha isimo sedeshibhodi yemoto encane.

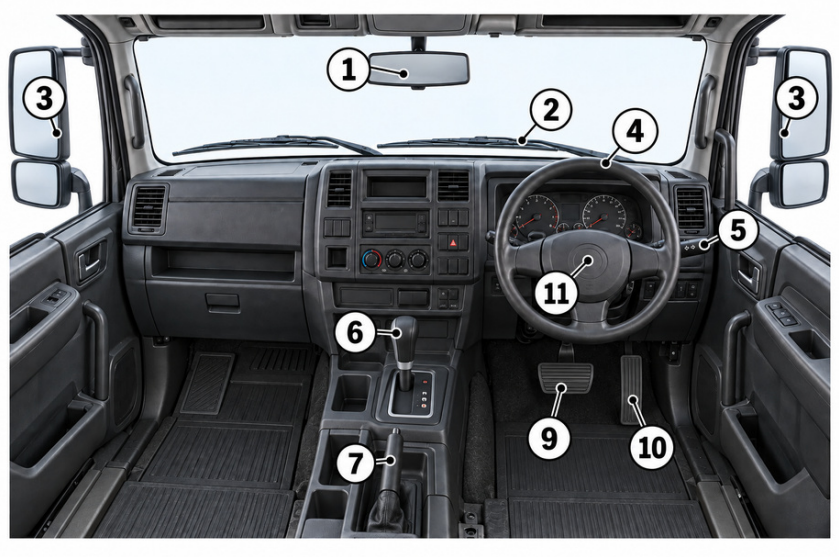


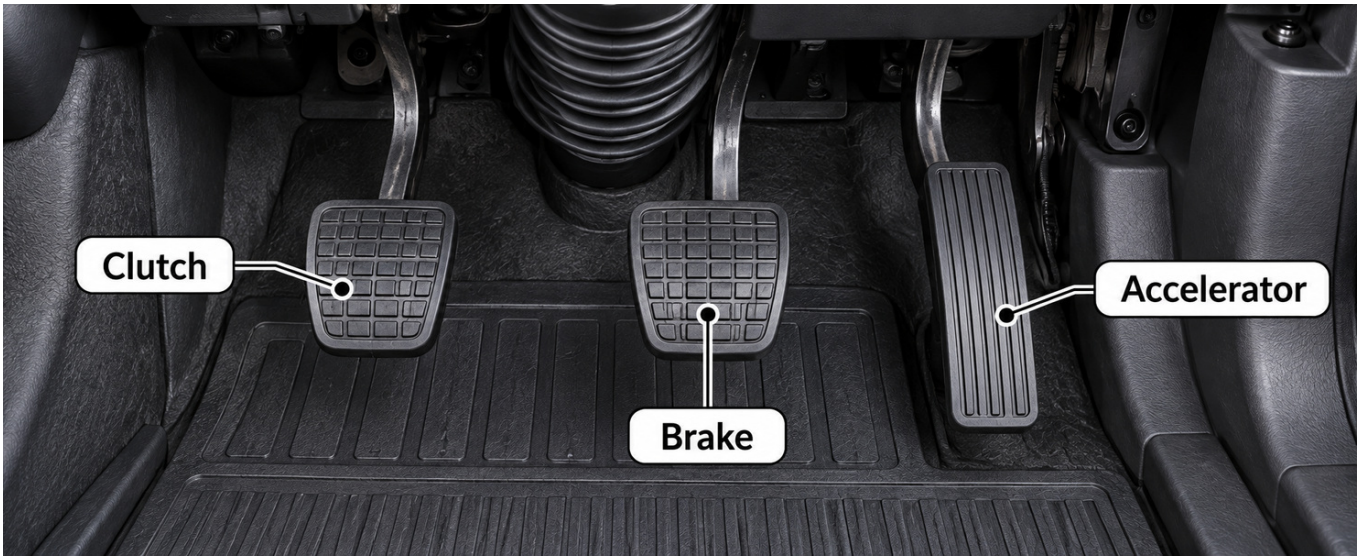
Qhathanisa amagiya ashintshwa ngesandla nazishintshayo

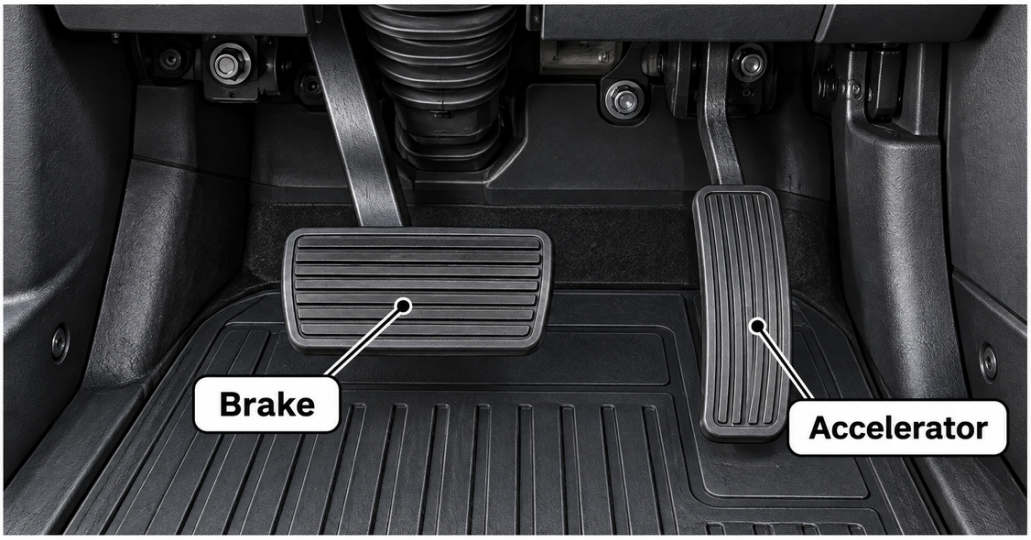
Ekuhlelweni kwamagiya ashintshwa ngesandla okukhonjisiwe, amaphedali amathathu yiklatshi 8 kwesokunxele, ibhuleki 9 phakathi nesisheshisi 10 kwesokudla. Isishintshi samagiya 6 nebhuleki lokupaka 7 kuhlukene. Indawo yephedali ayiwona umsebenzi wayo: funda kokubili.

Ukuhlelwa kwemoto ezishintshayo kunebhuleki 9 nesisheshisi 10, kodwa akunayo iphedali yeklatshi 8. Isikhethi sayo samagiya sisebenza ngokwehlukile kwesishintshi samagiya ashintshwa ngesandla. Ungafaki iklatshi emdwebeni ngenxa nje yokuthi izinombolo zisuka ku-7 ziye ku-9.

Umdwebo wamaphedali emoto esindayo enamagiya ashintshwa ngesandla ukhombisa iklatshi, ibhuleki nesisheshisi; owamagiya azishintshayo ukhombisa ibhuleki nesisheshisi kuphela. Le ncwadi ayifundisi ukuhlola umfutho wamabhuleki omoya, izinciphisi zejubane noma ukulandelana kokukhetha amagiya azishintshayo. Lezo zinhlelo zidinga imfundo yemoto ethile.







Izilawuli ezinezinombolo nemisebenzi yazo

- 1 - Isibuko sangemuva esiphakathi: bheka izimoto ezingemuva ngesibuko esingaphakathi.
- 2 - Iwipha: isula ifasitela langaphambili, kuhlanganise lapho imvula inciphisa ukubona.
- 3 - Izibuko zangaphandle: bheka izimoto ezingemuva nasezinhlangothini; khetha esokudla lapho ubheka ngemuva kwesokudla.
- 4 - Isondo lokuqondisa: lishintsha indlela yemoto.
- 5 - Iswishi yezinkomba: ikhombisa inhloso yokujika kwesokunxele noma kwesokudla noma yokushintsha indlela.
- 6 - Isishintshi noma isikhethi samagiya: sikhetha igiya; ukushintsha ngesandla kuhlanganisa neklatshi 8.
- 7 - Ibhuleki lokupaka: libamba imoto epakiwe inganyakazi.
- 8 - Iklatshi: lisiza ukufaka noma ukukhipha igiya emotweni eshintshwa ngesandla; alikho ekuhlelweni kwemoto ezishintshayo.
- 9 - Ibhuleki elivamile: isilawuli sonyawo esinciphisa ijubane noma esimisa imoto.

- 10 - Isisheshisi: isilawuli sonyawo esikhuphula ijubane; asisetshenziswa ngesandla.
- 11 - Ihutha: lixwayisa abanye abasebenzisi bomgwaqo ukusiza ukugwema ukushayisana.

Ukushintsha amagiya nokulawula ijubane

Isibonelo semoto esindayo sithi iklatshi 8 lisiza ukushintsha amagiya, lihlanganiswe nesishintshi 6 lapho kukhethwa elinye igiya. Akusho ukuthi iklatshi lodwa likhetha igiya. Isisheshisi 10 siyisilawuli sonyawo esihlukile esikhonjwa umthombo ekukhuphuleni noma ekwehliseni ijubane.

Ukumisa, ukupaka nokuma emqanseni

Ibhuleki elivamile 9 linciphisa ijubane noma limise imoto esindayo. Ibhuleki lokupaka 7 livimbela imoto epakiwe ukuthi inyakaze; umthombo ubala no-7 ukuvimbela ukubuyela emuva uma imile emqanseni omkhulu. Ungasebenzisi isisheshisi 10 esikhundleni salokho kubamba.

Isibonelo sebanga lokuma kwemoto esindayo sibala izinto ezintathu ezilikhulisayo: umgwaqo omanzi, ijubane eliphezulu nemoto ethwele umthwalo. Zontathu ziyasebenza. Ukwazi ibhuleki elifanele akusho ukuthi imoto ima ebangeni elifanayo kuzo zonke izimo.

Ukubuka, ukukhombisa nokushintsha indlela

Ngokushintsha indlela, umthombo wemoto esindayo uhlanganisa ngokucacile isibuko esiphakathi 1, izibuko zangaphandle 3 nenkomba 5. Ukubuka nokukhombisa kuhlukile ekuqondiseni ngesondo 4. Inkomba ayikwazi ukuqinisekisa ukuthi indlela ivulekile.

Ekujikeni okubukhali ngemoto esindayo eshintshwa ngesandla, umthombo ubala 1, 3, 4, 6, 8, 9 no-10. Ngokungafani nesibonelo semoto encane, ufaka ngokucacile izibuko zangaphandle 3. Funda imisebenzi yokubuka, ukuqondisa, amagiya nokulawula ijubane; ungakuthathi njengokwenza konke kanyekanye.

Izimo ezichaziwe nokubuyekeza

Isibonelo: imoto esindayo imile emqanseni omkhulu futhi akufanele ibuyele emuva. Umthombo ubala ibhuleki lokupaka 7 kulowo msebenzi wokubamba. Lokhu kwehlukile kubhuleki 9 elinciphise ijubane lemoto ehambayo.

Isibonelo: ufuna ukushintsha indlela ngemoto esindayo ethwele umthwalo. Bona izibuko 1 no-3 nenkomba 5, bese uhlukanisa isondo 4 nezilawuli zamagiya nezejubane. Umthwalo nawo uyisizathu sokulindela ibanga elide lokuma.

Buyekeza: qhathanisa ukuhlelwa kokubili kwamaphedali emoto esindayo; bona izilawuli zesandla nezonyawo; chaza ukuhlanganiswa kwezibuko nezinkomba, ukushintsha amagiya ngesandla, ukuqondisa, ukumisa nokubamba emqanseni. Ungacabangi ukuthi zonke izimoto ezisindayo zinezinto ezifanayo.

Imithombo

Imithombo ihloliwe: 2026-10-16

Department of Transport - SA Learner Driver Manual: Vehicle Components and Controls (amakhasi: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)

https://www.natis.gov.za/images/learners/3_Vehicle_Controls_Manual_v100_Jun_2012.pdf

Funda ku-inthanethi

Izingxenye nezilawuli zesithuthuthu
https://k53-app.co.za/zu/study/code-1-vehicle-controls

Izilawuli zemoto encane: amagiya ashintshwa ngesandla nazishintshayo
https://k53-app.co.za/zu/study/code-2-vehicle-controls

Izilawuli zemoto esindayo: amagiya ashintshwa ngesandla nazishintshayo
https://k53-app.co.za/zu/study/code-3-vehicle-controls

I-K53 CLLT iwusizo oluzimele lokulungiselela isivivinyo. Imibuzo nezikrini zokuzilolonga akusona isivivinyo esisemthethweni noma ibhange laso lemibuzo eliphelele. Amaphuzu okuzilolonga awaqinisekisi ukuphumelela.