Umhlahlandlela weenlawuli zesithuthi

Funda, ubuyekeze bewugadangise iincwadi zokufunda ngelimi lakho. Akutlhogeki ukubhalisa.

I-K53 CLLT ikulungiselela ngokuzijamela. Imibuzo neenkrini zokuzijayeza akusiso isihlahlubo esisemthethweni namkha ibhanga laso lemibuzo eliphelelekо. Imitlomelo yokuzijayeza ayiqinisekisi ukuphumelela.

Iingcenye neenlawuli zesithuthuthu

Yazi iingcenye zesithuthuthu, thola isilawuli ngasinye sesandla nesenyawo, begodu uhlathulule bona ngiziphi iinlawuli ezisebenzisana ndawonye.

Funda umdwebo usendaweni yomtjhayeli

Sebenzisa indlela umkhweli abona ngayo: isincele nesokudla ngezakhe lokha ahlezi aqale phambili. Umthombo utjengisa iinthuthuthu nesibonelo esinamasondo amathathu; yazi ingcenye ngomsebenzi wayo nangendawo yayo, ingasi ngombala namkha ngesakhiwo sekoloyi.

Umdwebo oneenomboro uhlathulula isithuthuthu esinamagiya esitjengisiweko. Incwadi ibala nesikuta segezi, kodwana ayinikeli ithebula leenlawuli namkha indlela yokusisebenzisa ehlukileko. Ungacabangi bona zoke iinkuta zinetlatjhi, isibambo samagiya namkha ibhurege yenyawo etjengisiweko.



Iinlawuli ezineenomboro nemisebenzazo

- 1 - Isibambo samagiya: isilawuli senyawo esitjengisiweko sokukhetha igiya.
- 2 - Itlatjhi: isibambo sesandla sesincele esihlukanisa injini nebhokisi lamagiya begodu sisetjenziswa nesibambo samagiya.
- 3 - Iimboniboni zokuqalela ngemva zesincele nesokudla: qala iinthuthi ezingemva kwesithuthuthu.
- 4 - Ibhurege langaphambili: isibambo sesandla sokudla sisebenzisa ibhurege langaphambili begodu sikhanyisa ilambu lokujama.

- 5 - Isilawuli sebelo sesandla: isibambo esiphendulwa ngesandla sokudla silawula ibelo lenjini nokunikelwa kwamafutha enjinini.
- 6 - Iswitjhi yesikhombandlela: itjengisa ihloso yokujika namkha yokutjhugulula indlela.
- 7 - Ibhurege langemva: ibhurege elitjengisiweko elisetjenziswa ngenyawo; ungalihlanganisi nesibambo sebhurege langaphambili.
- 8 - Iimbambo zokutjhayela: zilawula indlela yesithuthuthu.
- 9 - Ithangi lamafutha: lithole ngaphambi kwesitulo; alisilo ibhurege namkha isilawuli sokutjhayela.

Ukutjhentjha amagiya nokulawula ibelo

Ukutjhentjha igiya kusebenzisa isibambo samagiya 1 netlatjhi 2 ndawonye. Isibambo sikhetha igiya; itlatjhi ihlukanisa injini nebhokisi lamagiya. Ukubala isilawuli sebelo sesandla kwaphela akutjengisi iinlawuli zokutjhentjha amagiya.

Isilawuli sebelo sesandla 5 siyandisa namkha sinciphisa ibelo lenjini. Iinlawuli zebelo zoke ezihlanganiswe encwadini libhurege langaphambili 4, isilawuli sebelo sesandla 5 nebhurege langemva 7. Ukunciphisa isilawuli sebelo nokusebenzisa ibhurege zizenzo ezihlukileko, nanyana zombili zithinta ibelo.

Ukujama nebanga lokujama

Ukujamisa isithuthuthu, umthombo uhlanganisa ibhurege langaphambili 4 nebhurege langemva 7. Msinyana ngaphambi kokujama ngokupheleleko, uhlanganisa netlatjhi 2: iinlawuli 2, 4 no-7. Lokhu kuhlukanisa ukubhurega nesenzo setlatjhi esingezelelwako ekupheleni kokujama.

Ibanga lokujama liyanda endleleni emanzi, ngebelo elikhulu nalokha uthwele umkhweli. Zontathu izimo zandisa ibanga lokujama esibonelweni somthombo. Ungacabangi bona ibanga lokujama lizokuhlala linjalo ngemva kokutjhugulula esinye nesinye salezi zimo.

Ukubona, ukutjengisa nokutjhugulula indlela

Iimboniboni 3 zitjengisa iinthuthi ezingemva kwakho, iswitjhi yesikhombandlela 6 yazisa ihloswakho, begodu iimbambo zokutjhayela 8 zitjhugulula indlela. Le misebenzi ihlukile: ukukhanyisa isikhombandlela akujikisi isithuthuthu, begodu ukuqala esibonibonini akuyelelisi abanye abasebenzisi bendlela.

Ekujikeni okubukhali, umthombo ukhomba iinlawuli 1, 2, 3, 4, 5, 7 no-8: isibambo samagiya, itlatjhi, iimboniboni, womabili amabhurege, isilawuli sebelo sesandla neembambo zokutjhayela. Lezi ziinlawuli ezibandakanyeka ekukhambiseni, ingasi umlayo wokuzisebenzisa zoke ngesikhathi sinye.

Iimbonelo ezihlathululiweko nokubuyekeza

Isibonelo: ufuna ukutjengisa ukujikela ngesinceleni ngesikhathi uqala iinthuthi ezingemva. Sebenzisa iimboniboni 3 ukubona neswitjhi yesikhombandlela 6 ukutjengisa. Iimbambo zokutjhayela 8 zenza ukujika; azithathi indawo yokuqalisisa namkha yesitjengiso.

Isibonelo: umbuzo ufuna iinlawuli ezisetjenziselwa ukujamisa, bese ubuza bona yini ehlanganiswako msinyana ngaphambi kokujama ngokupheleleko. Ipendulo yokuthoma ngu-4 no-7; yesibili ngu-2, 4 no-7. Funda isigaba sesenzo, ingasi igama elithi “jama” kwaphela.

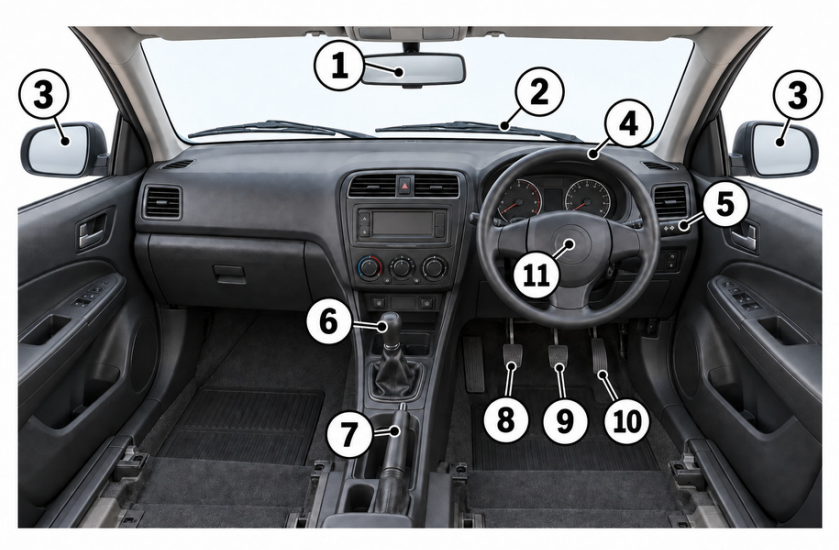
Buyekeza: yazi zoke iinomboro ezilithoba ngaphandle kokuqagela ngokubonakala; hlukanisa iinlawuli zesandla nezinyawo; hlukanisa ukuqalisisa, ukwazisa, ukutjhentjha amagiya, ukutjhayela nokubhurega. Bese uhlathulula bona kubayini ubumanzi, ibelo nomkhweli kutjhugulula ubujamo bokujama.

Iinlawuli zekoloyi elula: yamagiya wesandla ne-othomethikhi

Funda umdwebo weenlawuli zekoloyi elula, hlukanisa ukuhlelwa kwamagiya wesandla nokwe-othomethikhi, begodu uhlanganise isilawuli ngasinye nomsebenzi wokutjhayela.

Funda umdwebo usendaweni yomtjhayeli

Funda imidwebo yekoloyi elula uhlezi esitulweni somtjhayeli. Ivili lokutjhayela lingesokudla kulezi iimbonelo. Sebenzisa umdwebo oneenomboro nethebula leengcenye: imidwebo yeenkoloyi ezihlukileko itjengisa bona amaswitjhi neembambo akukafaneli kube neembumbeko namkha iindawo ezifanako.



Madanisa ukuhlelwa kwamagiya wesandla nokwe-othomethikhi

Ekuhlelweni kwamagiya wesandla okutjengisiweko, amapedali amathathu yitlatjhi 8 ngesinceleni, ibhurege 9 phakathi ne-akseleleyitha 10 ngesokudla. Isibambo samagiya 6 nebhurege yokupaka 7 ziinlawuli ezihlukileko. Indawo yepedali ayisiwo umsebenzayo: funda kokubili.

Ukuhlelwa kwe-othomethikhi kunebhurege 9 ne-akseleleyitha 10, kodwana akunapedali yetlatjhi 8. Isikhethi samagiya sisebenza ngendlela ehlukileko kunesibambo samagiya wesandla. Ungangezi itlatjhi engekho emdwebeni we-othomethikhi ngombana iinomboro zeenlawuli zisuka ku-7 ziye ku-9.

Umthombo uthi ezinye iinkoloyi zinebhurege yokupaka esetjenziswa ngenyawo. “Ibhurege yokupaka” ihlathulula umsebenzi; “ibhurege yesandla” ayiqinisekisi bona zoke iinkoloyi zisebenzisa isibambo sesandla. Ipedali namkha isibambo kufanele sihlukaniswe nebhurege yokujamisa nakukhambako 9.



Iinlawuli ezineenomboro nemisebenzazo

- 1 - Isiboniboni sangaphakathi sokuqalela ngemva: qala iinthuthi ezingemva ngesiboniboni sangaphakathi.
- 2 - Isisuli sefasidere langaphambili: sisula ifasidere langaphambili, kufaka hlangana nalokha izulu linciphisa ukubona.
- 3 - Iimboniboni zangaphandle zokuqalela ngemva: qala iinthuthi ezingemva nemahlangothini; khetha isiboniboni sesokudla nawuhlola ihlangothi langemva lesokudla.
- 4 - Ivili lokutjhayela: litjhugulula indlela yekoloyi.
- 5 - Iswitjhi yesikhombandlela: yazisa ihloso yokujikela ngesinceleni namkha ngesokudla, namkha yokutjhugulula indlela.
- 6 - Isibambo namkha isikhethi samagiya: sikhetha igiya; ukutjhentjha igiya lesandla kubandakanya netlatjhi 8.
- 7 - Ibhurege yokupaka: ibamba ikoloyi epakiweko ijame.
- 8 - Itlatjhi: isiza ukufaka namkha ukukhupha igiya ekoloyini yamagiya wesandla; ayikho ekuhlelweni kwe-othomethikhi.
- 9 - Ibhurege yokujamisa nakukhambako: isilawuli senyawo esinciphisa ibelo namkha sijamise ikoloyi.
- 10 - I-akseleleyitha: isilawuli senyawo esandisa ibelo; asisiso isilawuli sesandla.
- 11 - Ihutha: iyelelisa abanye abasebenzisi bendlela ukusiza ukuvikela ukutjhayisana.

Ukutjhentjha amagiya nokulawula ibelo

Ekoloyini yamagiya wesandla, ukutjhentjha amagiya kusebenzisa isibambo samagiya 6 netlatjhi 8 ndawonye. Isibambo sikhetha igiya ngesikhathi itlatjhi isiza ukulifaka namkha ukulikhupha. Isibonelo sekoloyi elula godu sikhomba itlatjhi njengesilawuli esivimbela ukucima kwenjini msinyana ngaphambi kokujama ngokupheleleko.

Hlola isiboniboni saphakathi 1 ngaphambi kokutjhentjha ibelo namkha kokusebenzisa ibhurege, njengombana iimbonelo zekoloyi elula zomthombo zifuna. Ibhurege 9 inciphisa ibelo namkha ijamise ikoloyi; i-akseleleyitha 10 yandisa ibelo. Ukuqala ngemva kukusiza uzwisise ubujamo beenthuthi ngaphambi kwetjhuguluko leyo.

Ukujama nokupaka

Sebenzisa ibhurege yokujamisa nakukhambako 9 ukunciphisa ibelo namkha ukujamisa ikoloyi ekhamba, kufaka hlangana nombuzo womthombo wokuyazi ekujameni okurhabako. Sebenzisa ibhurege yokupaka 7 ukubamba ikoloyi ijame ngemva kokupaka namkha nawuyitjhiya inganamtlhogomeli. Ungahlanganisi ukujamisa ikoloyi nokuyibamba ipakiwe.

Ibanga lokujama liyanda endleleni emanzi ngebelo elikhulu. Umkhweli namkha umthwalo nawo wandisa ibanga lokujama eemibonelweni zomthombo. Ungacabangi bona ibanga lokujama lizokuhlala linjalo ngemva kokutjhugulula esinye nesinye salezi zimo.

Ukubona, ukutjengisa nokutjhugulula indlela

Ngaphambi kokutjhugulula indlela, qala ngeemponiboni ezifaneleko bese usebenzisa isikhombandlela 5 ukwazisa indlela oyihlosileko. Ivili lokutjhayela 4 libese litjhugulula indlela. Isiboniboni saphakathi 1 neemponiboni zangaphandle 3 ndawonye ziphelelisa okufunwa mthombo kokubona ngemva nemahlangothini.

Ekujikeni okubukhali ngekoloyi elula yamagiya wesandla, umthombo ubala 1, 4, 6, 8, 9 no-10: isiboniboni saphakathi, ivili lokutjhayela, isibambo samagiya, itlatjhi, ibhurege ne-akseleleyitha. Funda bona ngasinye sinikela ini. Irhelo alisiwo umlayo wokugandelela woke amapedali ngesikhathi sinye.

Iimbonelo ezihlathululiweko nokubuyekeza

Isibonelo: izulu lithoma ngesikhathi kufanele unciphise ibelo. Iinsuli 2 zisebenza efasidereni langaphambili, isiboniboni 1 sinikela ilwazi langemva, begodu ibhurege 9 inciphisa ibelo. Ubuso bendlela obumanzi nabo bandisa ibanga lokujama. Isilawuli sinye asikwazi ukwenza yoke imisebenzi emine.

Isibonelo: usuka emdwebeni wamagiya wesandla uye emdwebeni we-othomethikhi. Isilawuli esingekho yitlatjhi 8. Ibhurege 9 ne-akseleleyitha 10 zisekhona, begodu ibhurege yokupaka isenomsebenzi ohlukileko wokubamba.

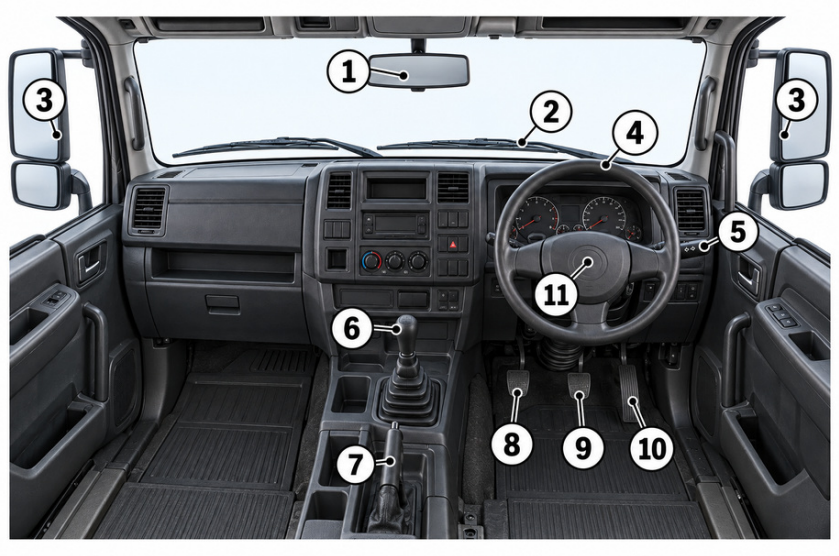
Buyekeza: thola isilawuli ngasinye esinenomboro, hlathulula amapedali wamagiya wesandla newe-othomethikhi, hlukanisa ibhurege yokujamisa nakukhambako neyokupaka, begodu uhlanganise ukubona, ukutjengisa, ukubonakala nokutjhentjha amagiya neenlawuli ezifaneleko. Sebenzisa izimo zebanga lokujama ebujamweni obupheleleko.

Iinlawuli zekoloyi ebudisi: yamagiya wesandla ne-othomethikhi

Yazi ukuhlelwa kwekhabhu namapedali wekoloyi ebudisi, begodu uhlathulule iinlawuli zokubona, zokukhambisa, zokujamisa nezokubamba ikoloyi ijame.

Funda umdwebo usendaweni yomtjhayeli

Funda imidwebo yekoloyi ebudisi uhlezi esitulweni somtjhayeli. Madanisa ukubonakala kwekhabhu nemidwebo yedeshibhodi namapedali. Iimboniboni ezikulu zangaphandle, iinlawuli zokutjhayela namapedali kufanele zaziwe ngemisebenzazo, ingasi ngokulingisa isakhiwo sedeshibhodi yekoloyi elula.

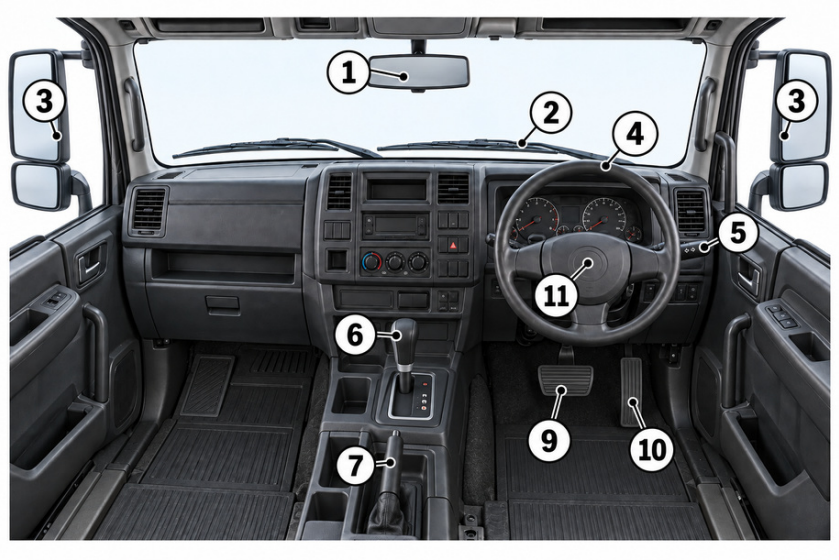


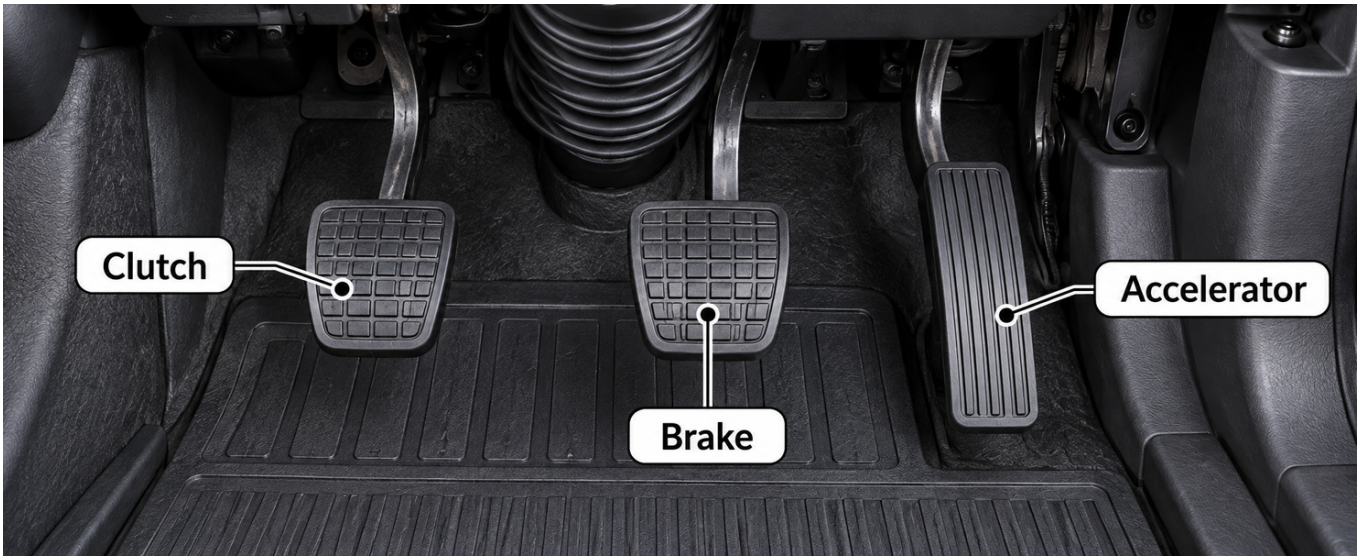
Madanisa ukuhlelwa kwamagiya wesandla nokwe-othomethikhi

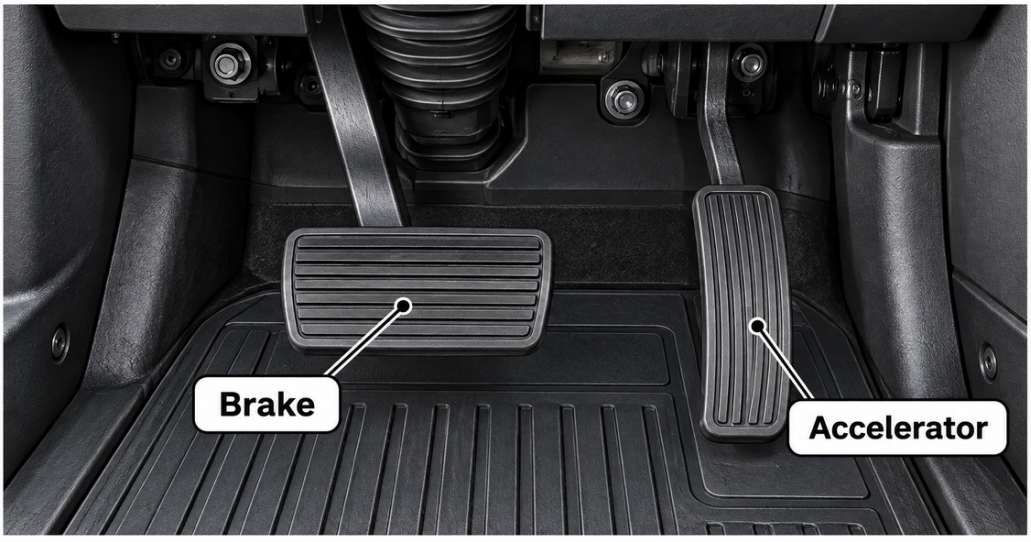
Ekuhlelweni kwamagiya wesandla okutjengisiweko, amapedali amathathu yitlatjhi 8 ngesinceleni, ibhurege 9 phakathi ne-akseleleyitha 10 ngesokudla. Isibambo samagiya 6 nebhurege yokupaka 7 ziinlawuli ezihlukileko. Indawo yepedali ayisiwo umsebenzayo: funda kokubili.

Ukuhlelwa kwe-othomethikhi kunebhurege 9 ne-akseleleyitha 10, kodwana akunapedali yetlatjhi 8. Isikhethi samagiya sisebenza ngendlela ehlukileko kunesibambo samagiya wesandla. Ungangezi itlatjhi engekho emdwebeni we-othomethikhi ngombana iinomboro zeenlawuli zisuka ku-7 ziye ku-9.

Umdwebo wamapedali wekoloyi ebudisi yamagiya wesandla utjengisa itlatjhi, ibhurege ne-akseleleyitha; umdwebo we-othomethikhi utjengisa ibhurege ne-akseleleyitha kwaphela. Incwadi egciniweko ayifundisi ukuhlola umfutho wamabhurege womoya, iinsetjenziswa zokunciphisa ibelo namkha ukulandelana kwesikhethi se-othomethikhi. Lezi iinhlelo zidinga iimfundiso eziqaliswe ekoloyini leyo.







Iinlawuli ezineenomboro nemisebenzazo

- 1 - Isiboniboni sangaphakathi sokuqalela ngemva: qala iinthuthi ezingemva ngesiboniboni sangaphakathi.

- 2 - Isisuli sefasidere langaphambili: sisula ifasidere langaphambili, kufaka hlangana nalokha izulu linciphisa ukubona.
- 3 - Iimboniboni zangaphandle zokuqalela ngemva: qala iinthuthi ezingemva nemahlangothini; khetha isiboniboni sesokudla nawuhlola ihlangothi langemva lesokudla.
- 4 - Ivili lokutjhayela: litjhugulula indlela yekoloyi.
- 5 - Iswitjhi yesikhombandlela: yazisa ihloso yokujikela ngesinceleni namkha ngesokudla, namkha yokutjhugulula indlela.
- 6 - Isibambo namkha isikhethi samagiya: sikhetha igiya; ukutjhentjha igiya lesandla kubandakanya netlatjhi 8.
- 7 - Ibhurege yokupaka: ibamba ikoloyi epakiweko ijame.
- 8 - Itlatjhi: isiza ukufaka namkha ukukhupha igiya ekoloyini yamagiya wesandla; ayikho ekuhlelweni kwe-othomethikhi.
- 9 - Ibhurege yokujamisa nakukhambako: isilawuli senyawo esinciphisa ibelo namkha sijamise ikoloyi.
- 10 - I-akseleleyitha: isilawuli senyawo esandisa ibelo; asisiso isilawuli sesandla.
- 11 - Ihutha: iyelelisa abanye abasebenzisi bendlela ukusiza ukuvikela ukutjhayisana.

Ukutjhentjha amagiya nokulawula ibelo

Isibonelo sekoloyi ebudisi sikhomba itlatjhi 8 bona isiza ukutjhentjha amagiya, begodu siyihlanganisa nesibambo samagiya 6 nakukhethwa elinye igiya. Akutjho bona itlatjhi iyodwa ikhetha igiya. I-akseleleyitha 10 isilawuli senyawo esihlukileko esikhonjwa mthombo ekwandiseni namkha ekunciphiseni ibelo.

Ukujama, ukupaka nendawo ekhuphukako

Ibhurege yokujamisa nakukhambako 9 inciphisa ibelo namkha ijamise ikoloyi ebudisi. Ibhurege yokupaka 7 ivimbela ikoloyi epakiweko bona ingakhambi; umthombo godu ukhomba u-7 ukuvimbela ukubuyela emva lokha ijame endaweni ekhuphuka khulu. Ungasebenzisi i-akseleleyitha 10 esikhundleni somsebenzi loyo wokubamba.

Isibonelo somthombo sebanga lokujama kwekoloyi ebudisi sikhomba izinto ezintathu ezilikhulisako: indlela emanzi, ibelo eliphezulu nekoloyi ethwele umthwalo. Zontathu ziyasebenza. Ukwazi ibhurege elilungileko akutjho bona ikoloyi izokujama ngebanga elifanako kizo zoke izimo.

Ukubona, ukutjengisa nokutjhugulula indlela

Ekutjhugululeni indlela okuhlosiweko, umthombo wekoloyi ebudisi uhlanganisa ngokucacileko isiboniboni saphakathi 1, iimboniboni zangaphandle 3 nesikhombandlela 5. Ukuqalisisa nokutjengisa kuhlukile ekutjhayeleni ngevili 4. Isikhombandlela asikwazi ukuqinisekisa bona indlela ivulekile.

Ekujikeni okubukhali ngekoloyi ebudisi yamagiya wesandla, umthombo ubala 1, 3, 4, 6, 8, 9 no-10. Ngokungafani nerhelo lesibonelo sekoloyi elula, lifaka ngokucacileko iimboniboni zangaphandle 3. Funda imisebenzi yokubona, yokutjhayela, yamagiya neyokulawula ibelo kunokuthatha irhelo njengezenzo zesikhathi sinye.

Iimbonelo ezihlathululiweko nokubuyekeza

Isibonelo: ikoloyi ebudisi ijame endaweni ekhuphuka khulu begodu akukafaneli ibuyele emva. Umthombo ukhomba ibhurege yokupaka 7 yomsebenzi loyo wokubamba. Lokhu kuhlukile ekwazini ibhurege 9 njengesilawuli esinciphise ibelo lekoloyi ebeyikhamba.

Isibonelo: uhlose ukutjhugulula indlela ngekoloyi ebudisi ethwele umthwalo. Yazi iimboniboni 1 no-3 nesikhombandlela 5 ngaphambi kokuhlukanisa ivili lokutjhayela 4 neenlawuli zamagiya nezebelo. Umthwalo nawo ubangela ukulindela ibanga elide lokujama.

Buyekeza: madanisa kokubili ukuhlelwa kwamapedali wekoloyi ebudisi; yazi iinlawuli zesandla nezinyawo; hlathulula ukuhlangana kweemponiboni neenkhombandlela, ukutjhentjha amagiya wesandla, ukutjhayela, ukujamisa nokubamba endaweni ekhuphukako. Ungacabangi bona zoke iinkoloyi ezibudisi zineensetjenziswa ezifanako.

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

Iingcenye neenlawuli zesithuthuthu
https://k53-app.co.za/nr/study/code-1-vehicle-controls

Iinlawuli zekoloyi elula: yamagiya wesandla ne-othomethikhi
https://k53-app.co.za/nr/study/code-2-vehicle-controls

Iinlawuli zekoloyi ebudisi: yamagiya wesandla ne-othomethikhi
https://k53-app.co.za/nr/study/code-3-vehicle-controls

I-K53 CLLT ikulungiselela ngokuzijamela. Imibuzo neenkrini zokuzijayeza akusiso isihlahlubo esisemthethweni namkha ibhanga laso lemibuzo elipheleleko. Imitlomelo yokuzijayeza ayiqinisekisi ukuphumelela.