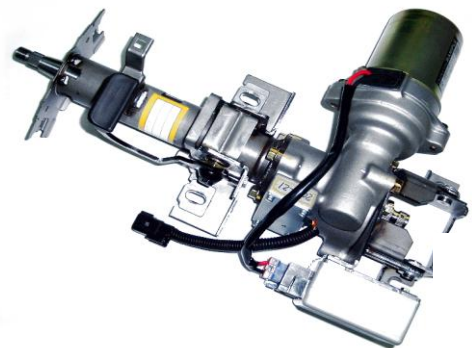




ÍÐAN
fræðslusetur
Bilgreinasvið

Stýrisbúnaður





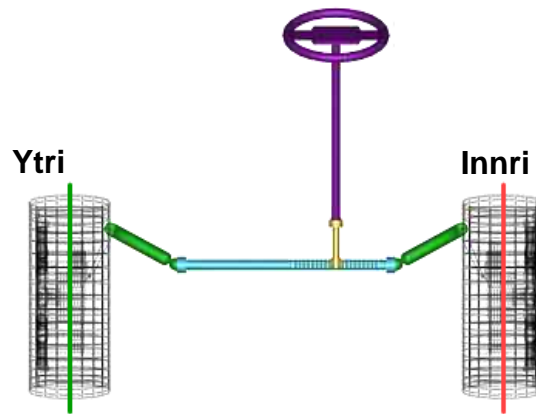
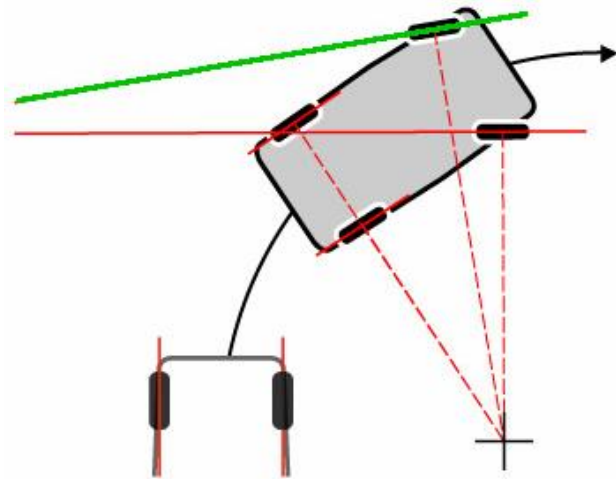
Kynning

- Kennari
- GSM, vinsamlega slökkvið á sínum
- Hlé
- Salerni
- Flóttaleiðir
- Reykingar

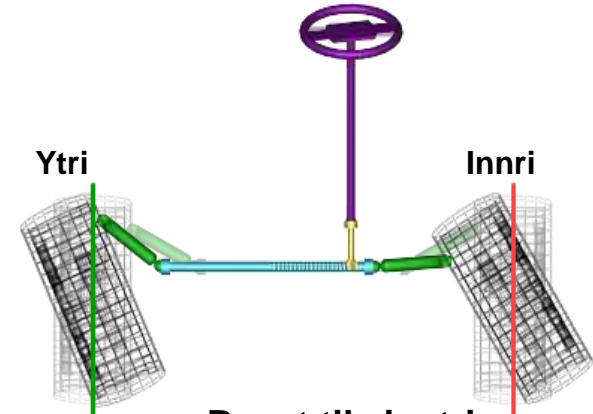




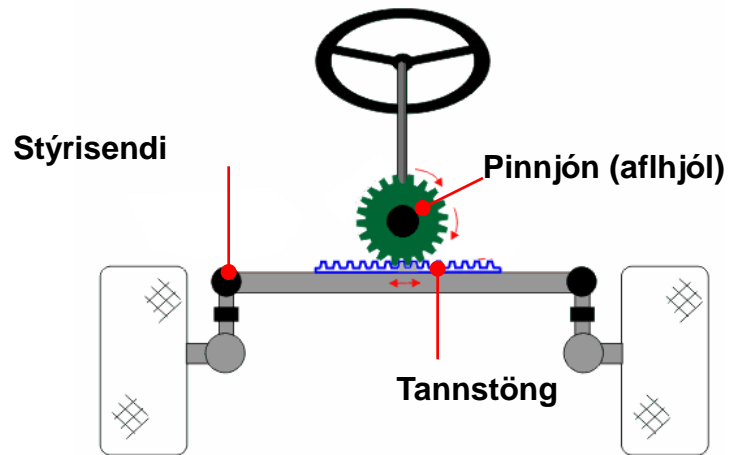
Almennt



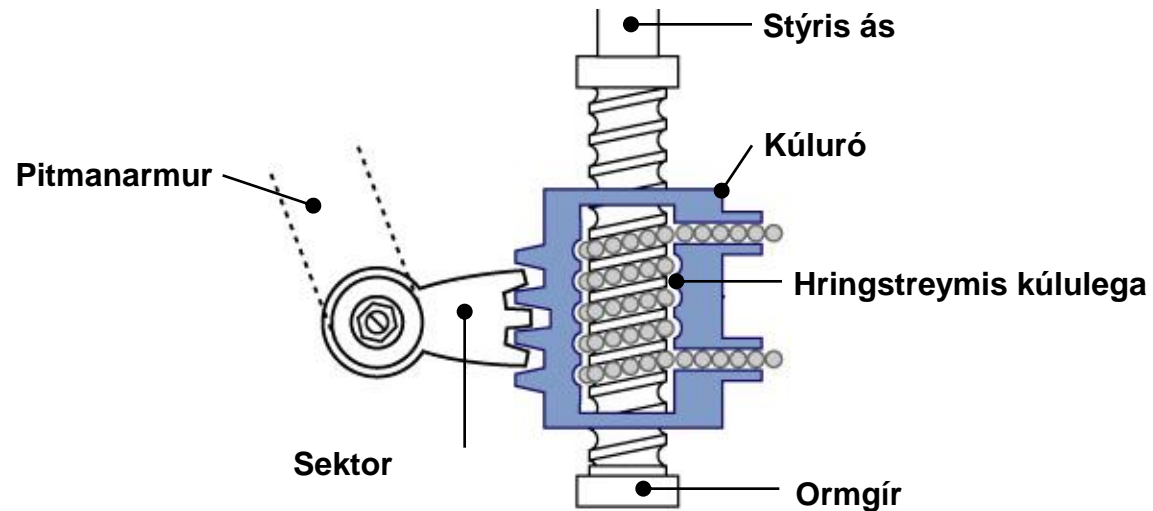
Beint fram



Beygt til vinstri



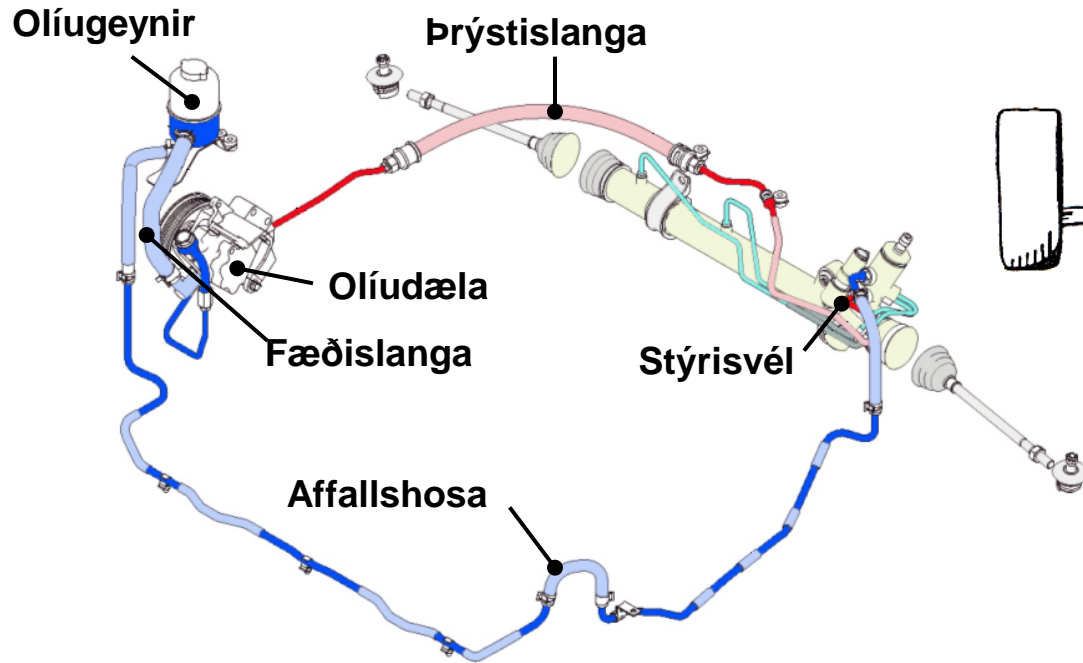
Tannstangarstýri



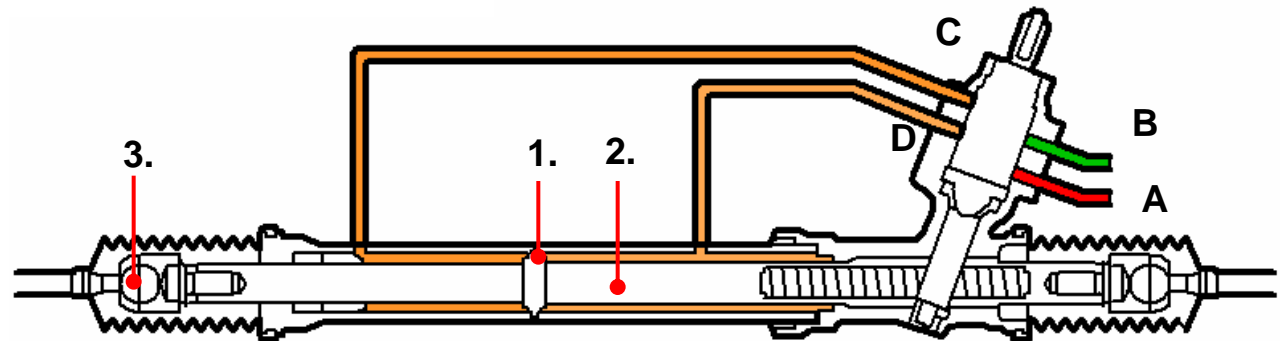
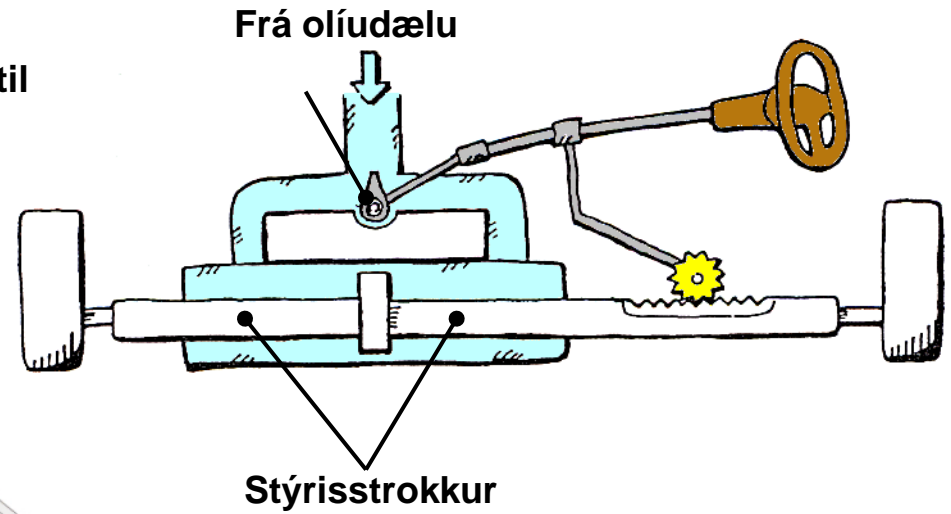
Hringstreymis kúlu stýri (snigilstýri)



Vökva aflstýri

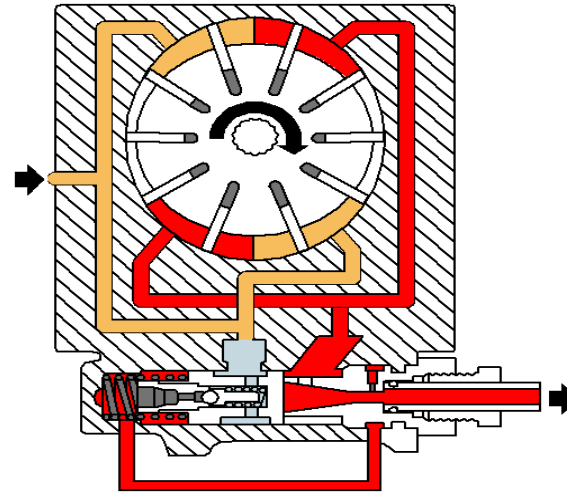
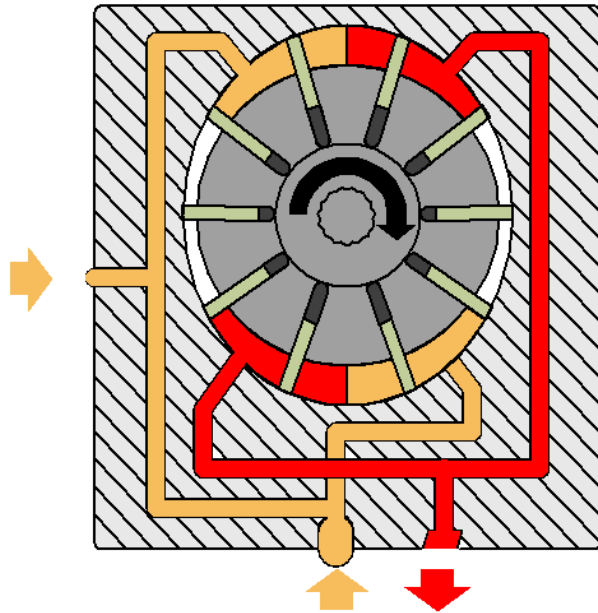


Stjórnventil

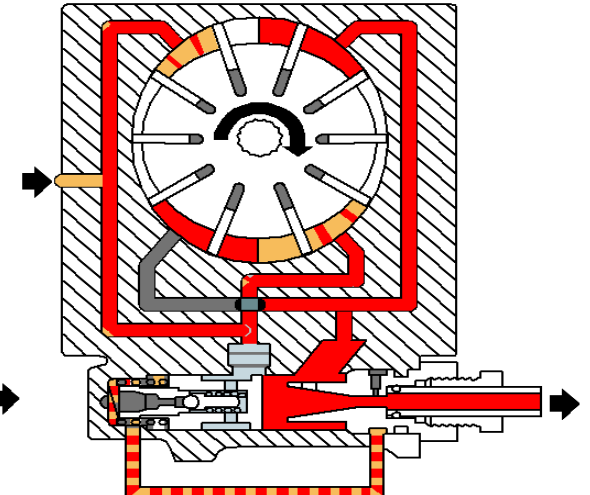




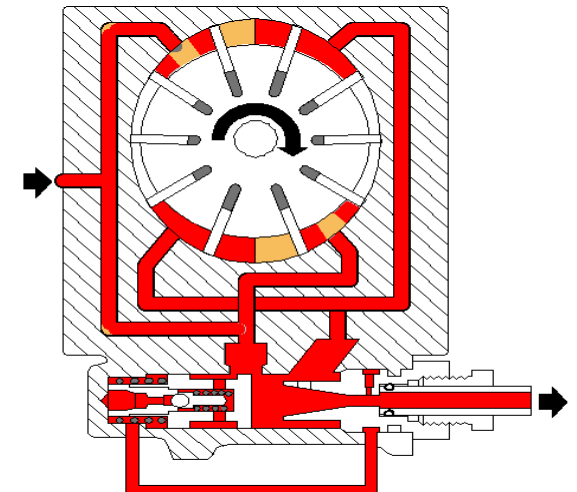
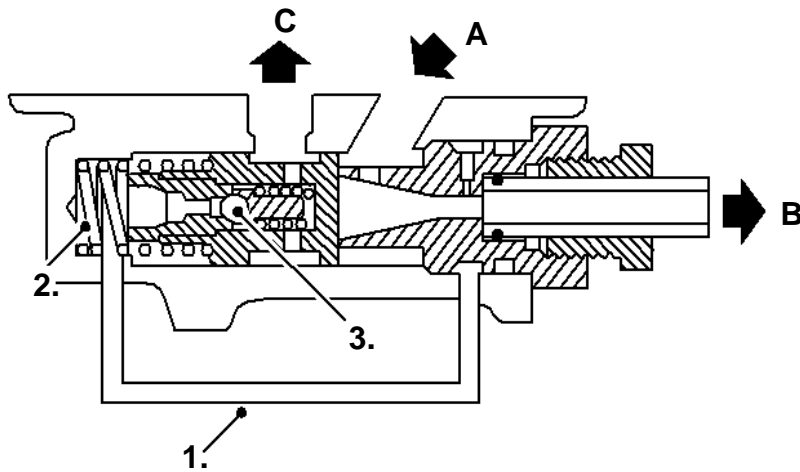
Olíudælan, vökva- og þrýstingsstjórnun.



Stýrisdæla
Við lágan vélarhraða



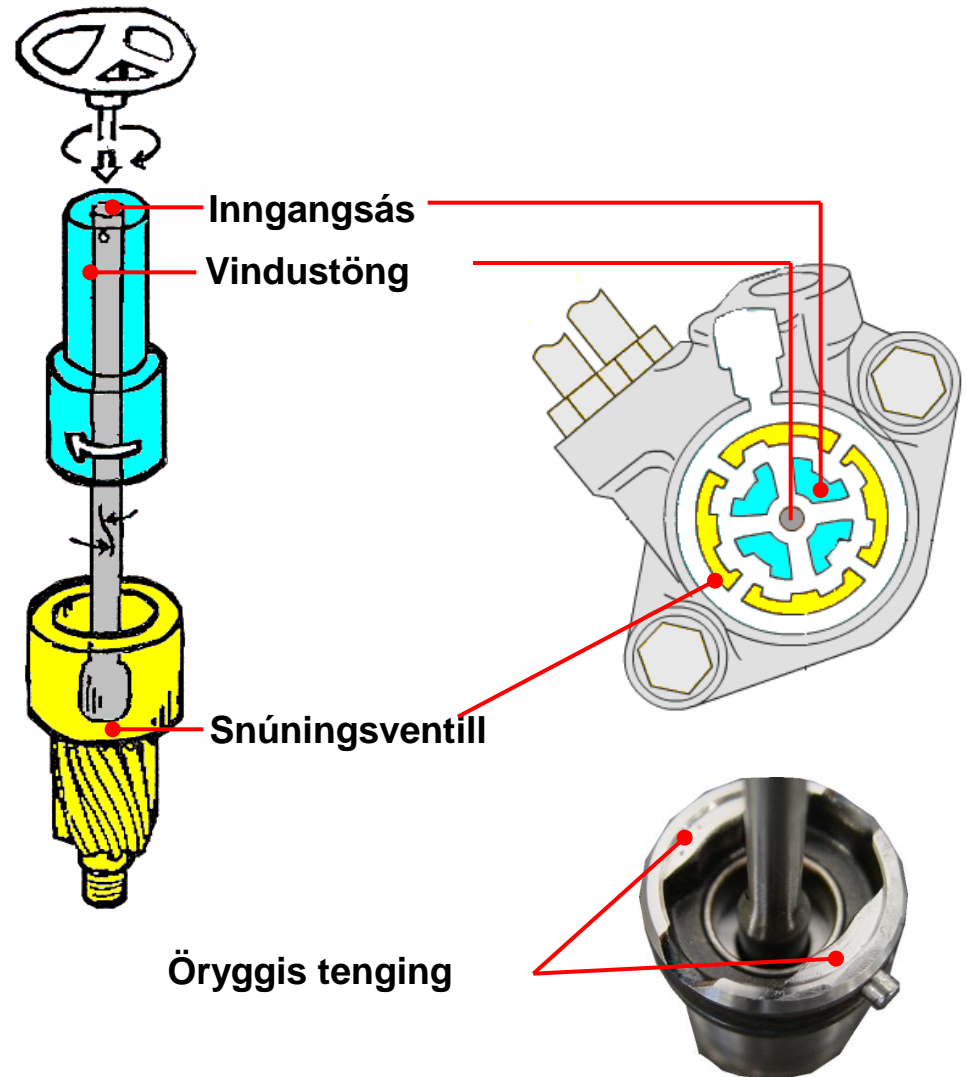
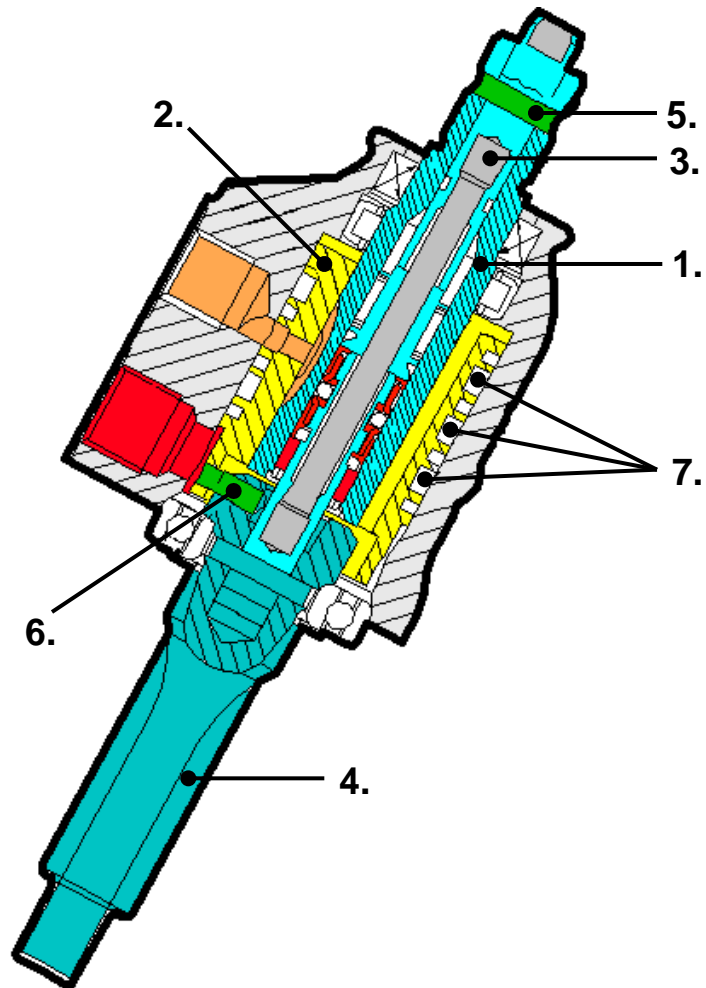
Stýrisdæls
Við háan vélarhraða



Stýrisdæla við
full álagt stýri



Stjórnventill



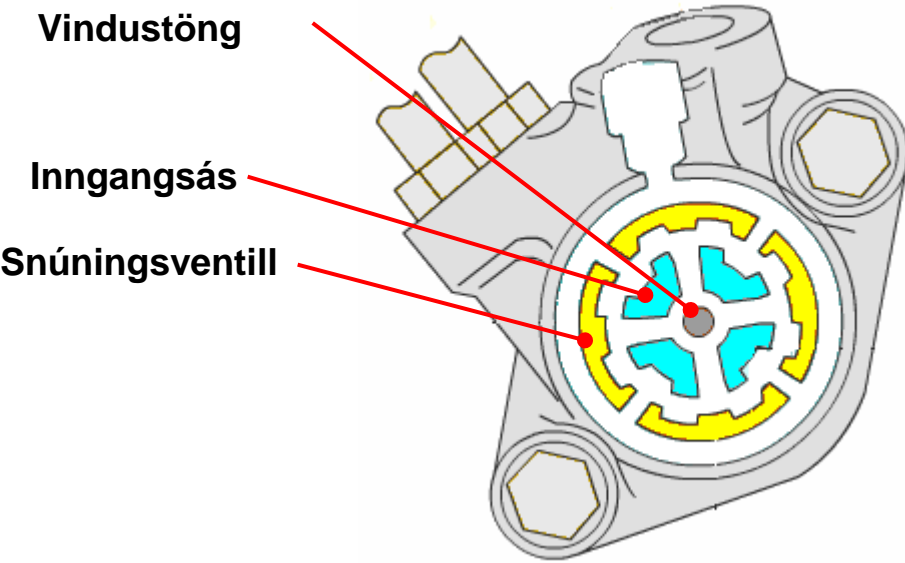


Virkni ventilsins

Vindustöng

Inngangsás

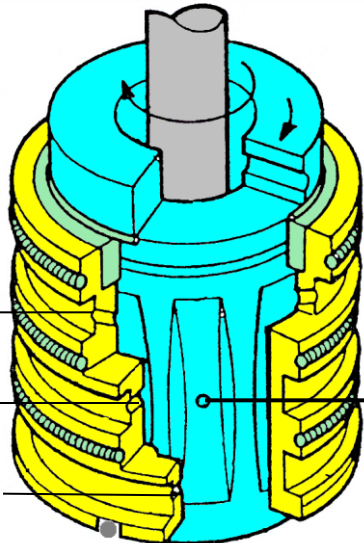
Snúningsventill



Rás „b“ að hægrahólfi

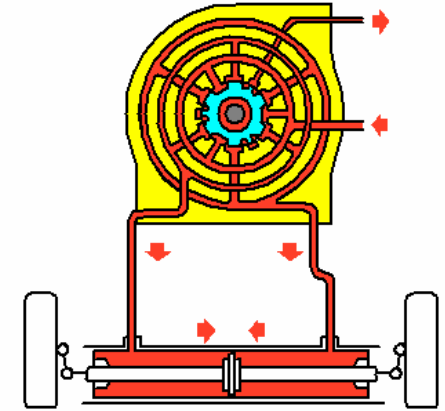
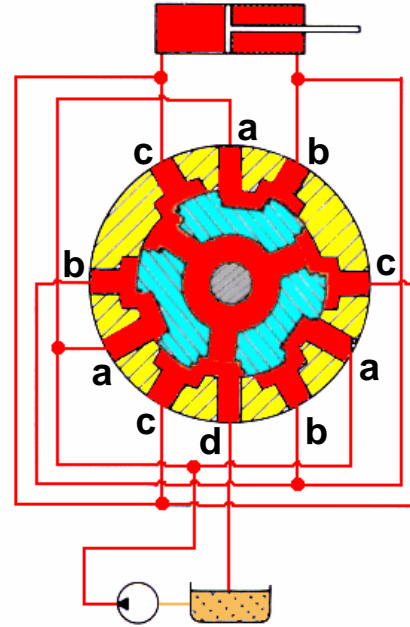
Rás „a“ frá olíudælu

Rás „c“ að vinstrahólfi

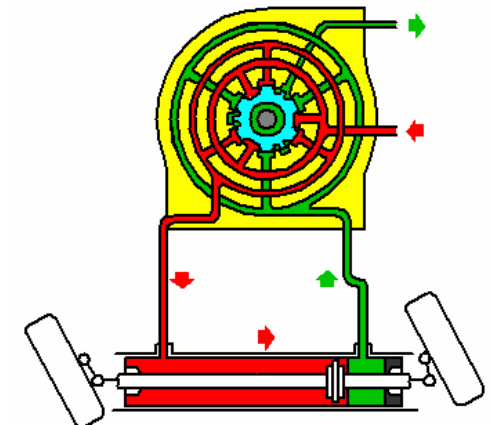


Rás „d“ (til olíugeymis)

Bein staða stýris

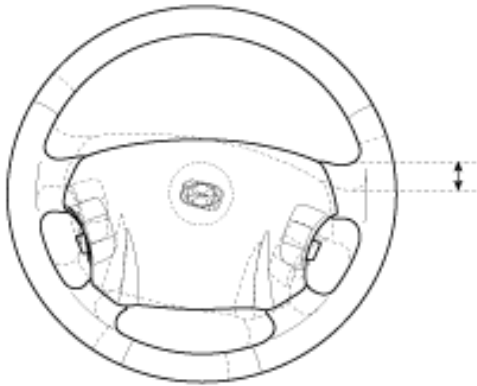


Beygt til vinstri





Þjónusta og viðhald



Fríhlaup kannað



Kannað hvor stýri rétti sig af

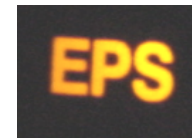
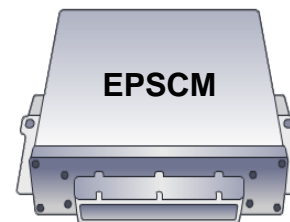
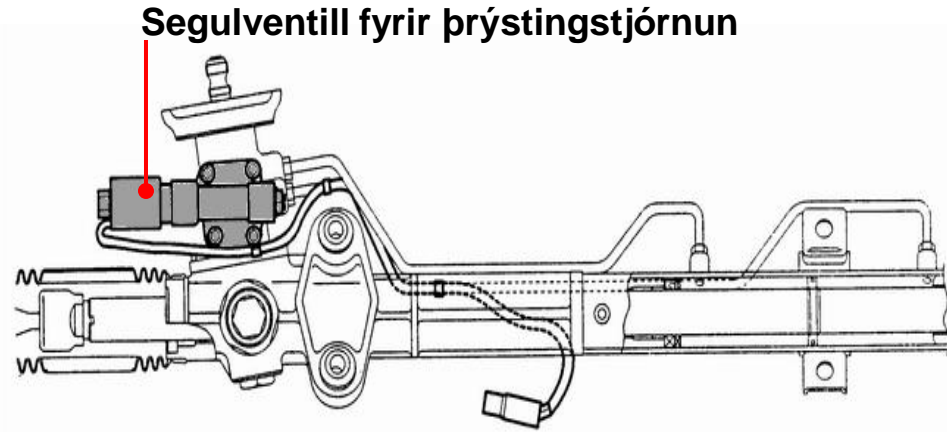
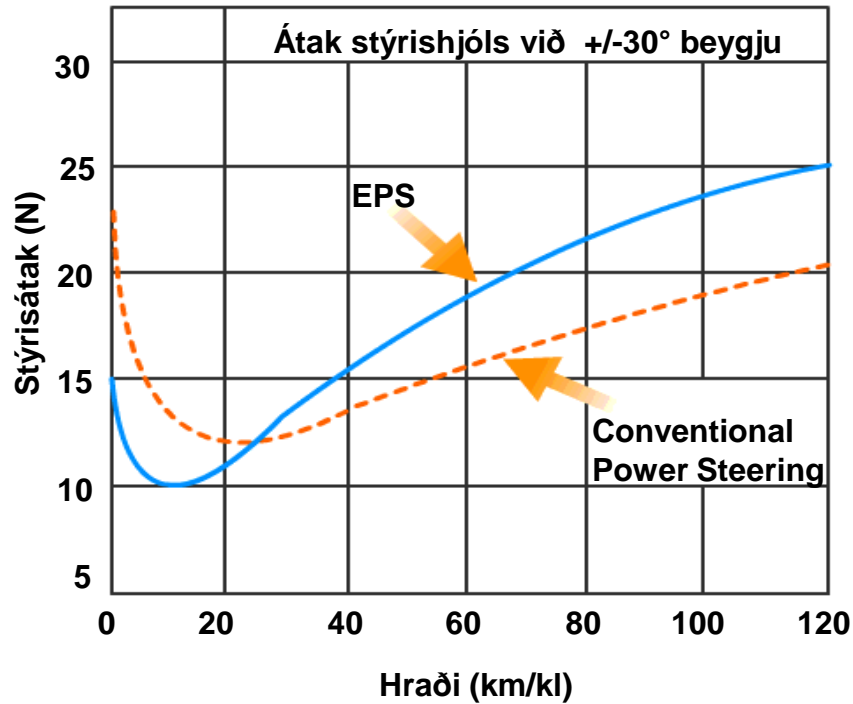


Skip um aflstýrisvökva og lofttæming

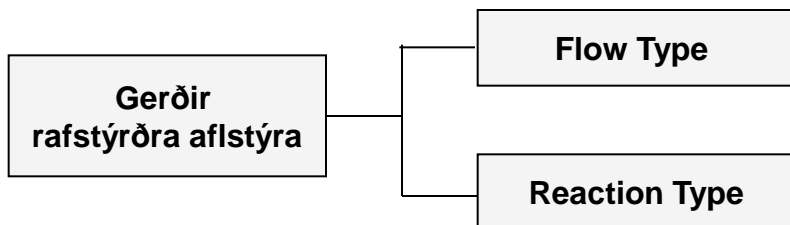




Rafstýrt aflstýri

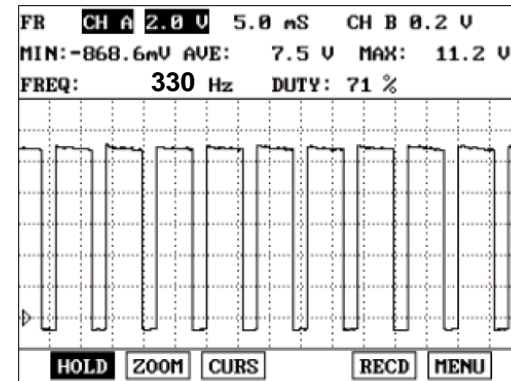
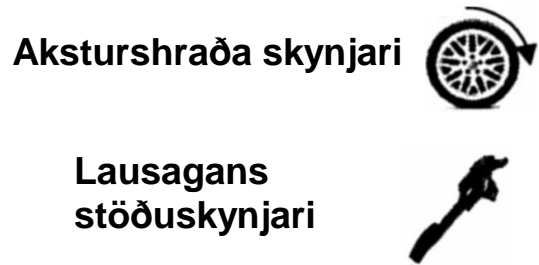


EPS Gaumljós

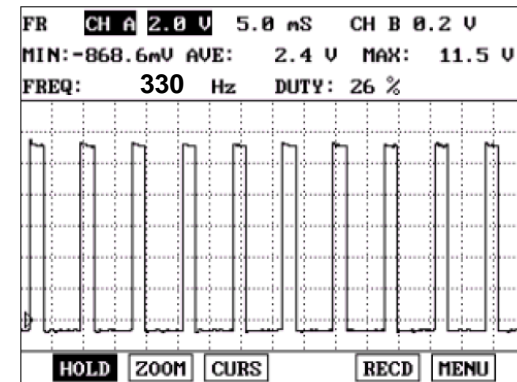
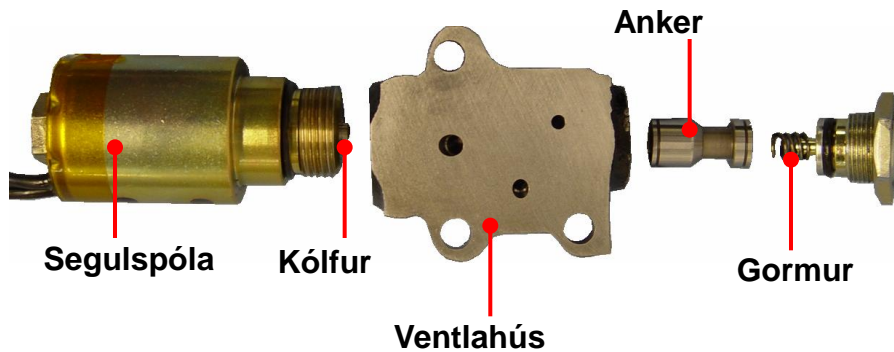




EPS inn- og útgangar I/O



Í lausagangi (dæmi LZ-Centennial)

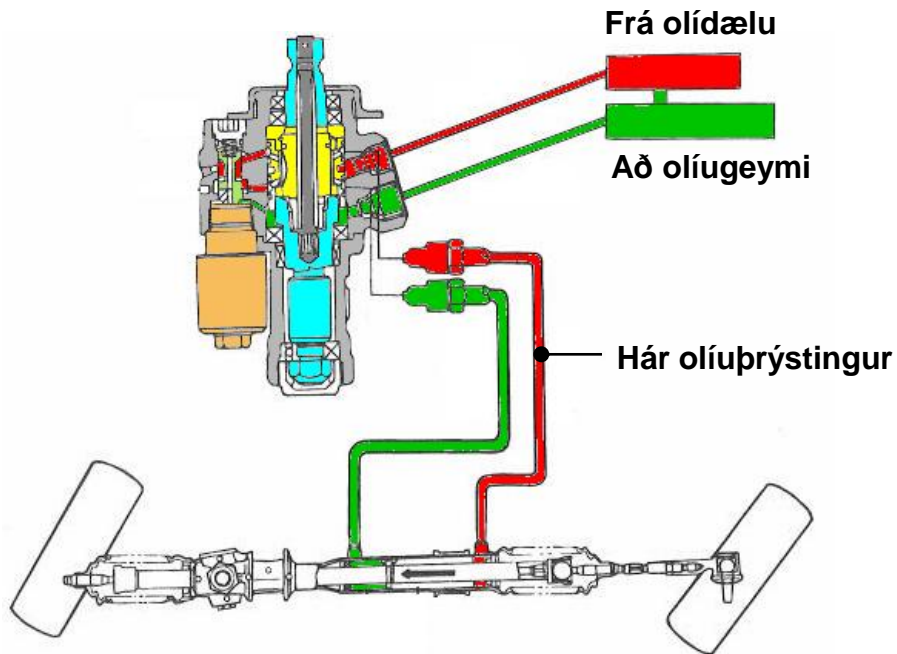


Á háum hraða (dæmi LZ-Centennial)

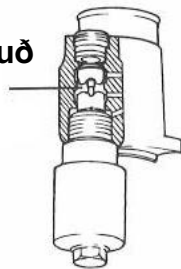


EPS Flow Control Type (flæðistýring)

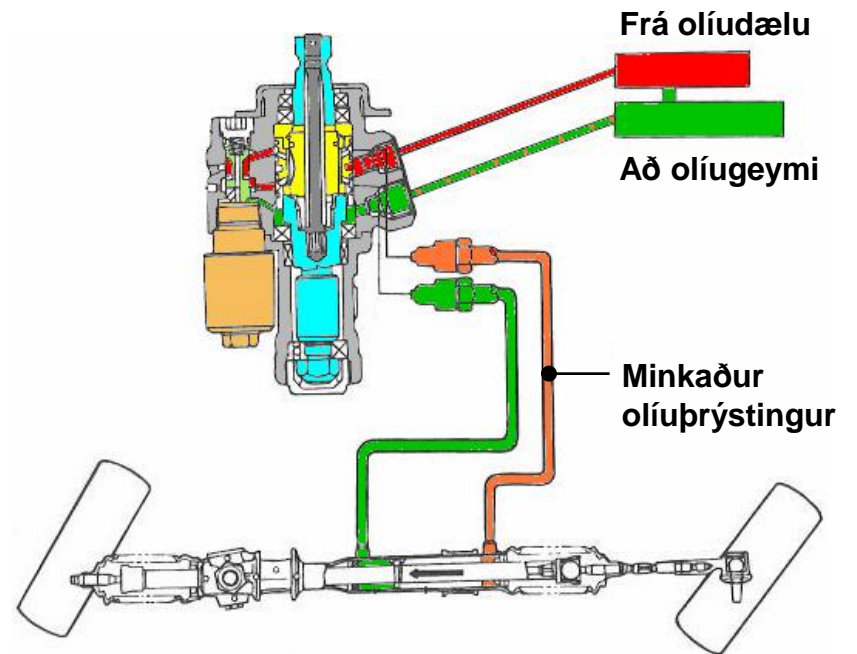
Hraði bíl lár



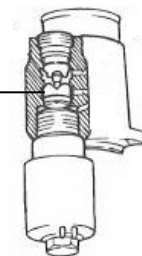
Rás að olíugeymi lokuð



Hraði bíls hár

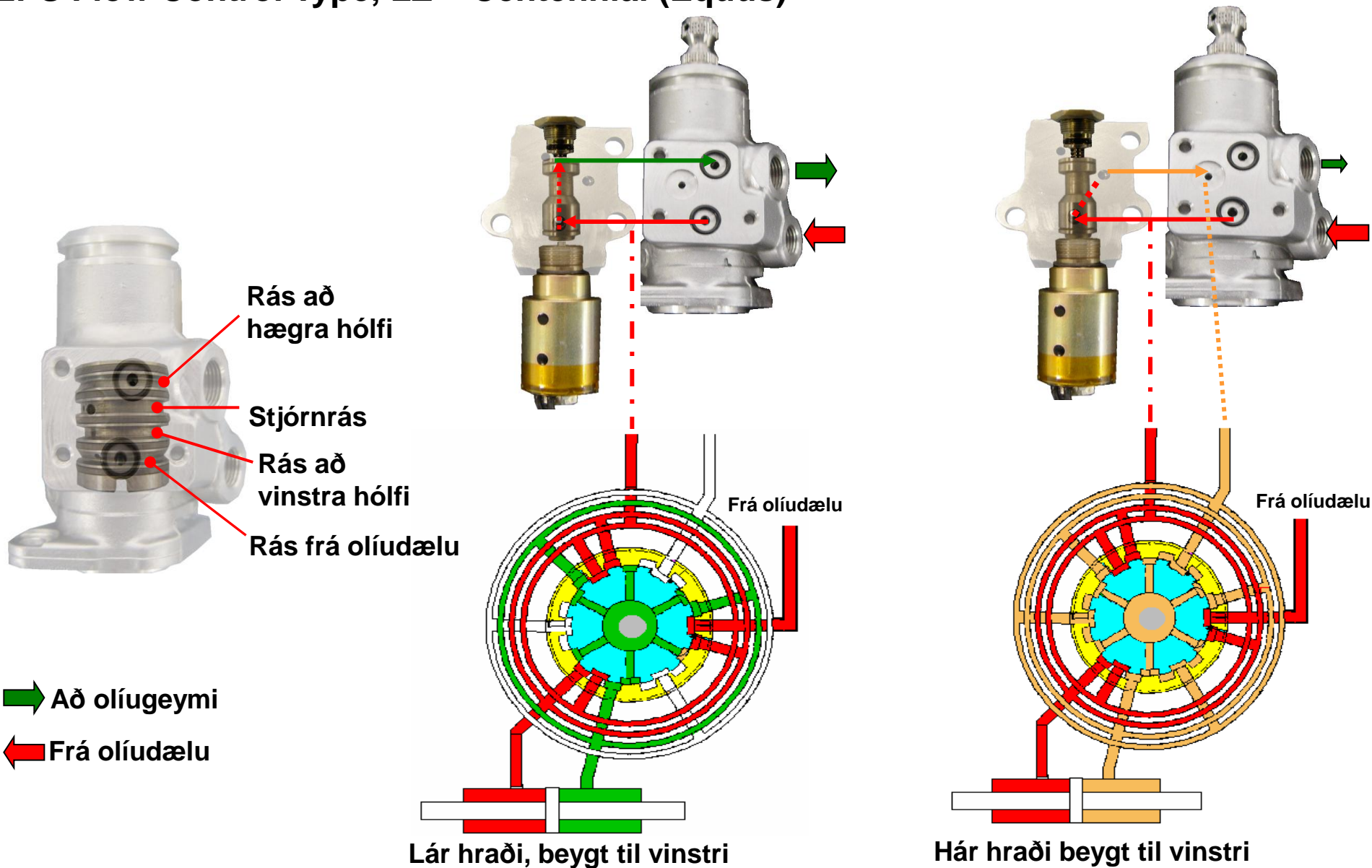


Rás að olíugeymi opin



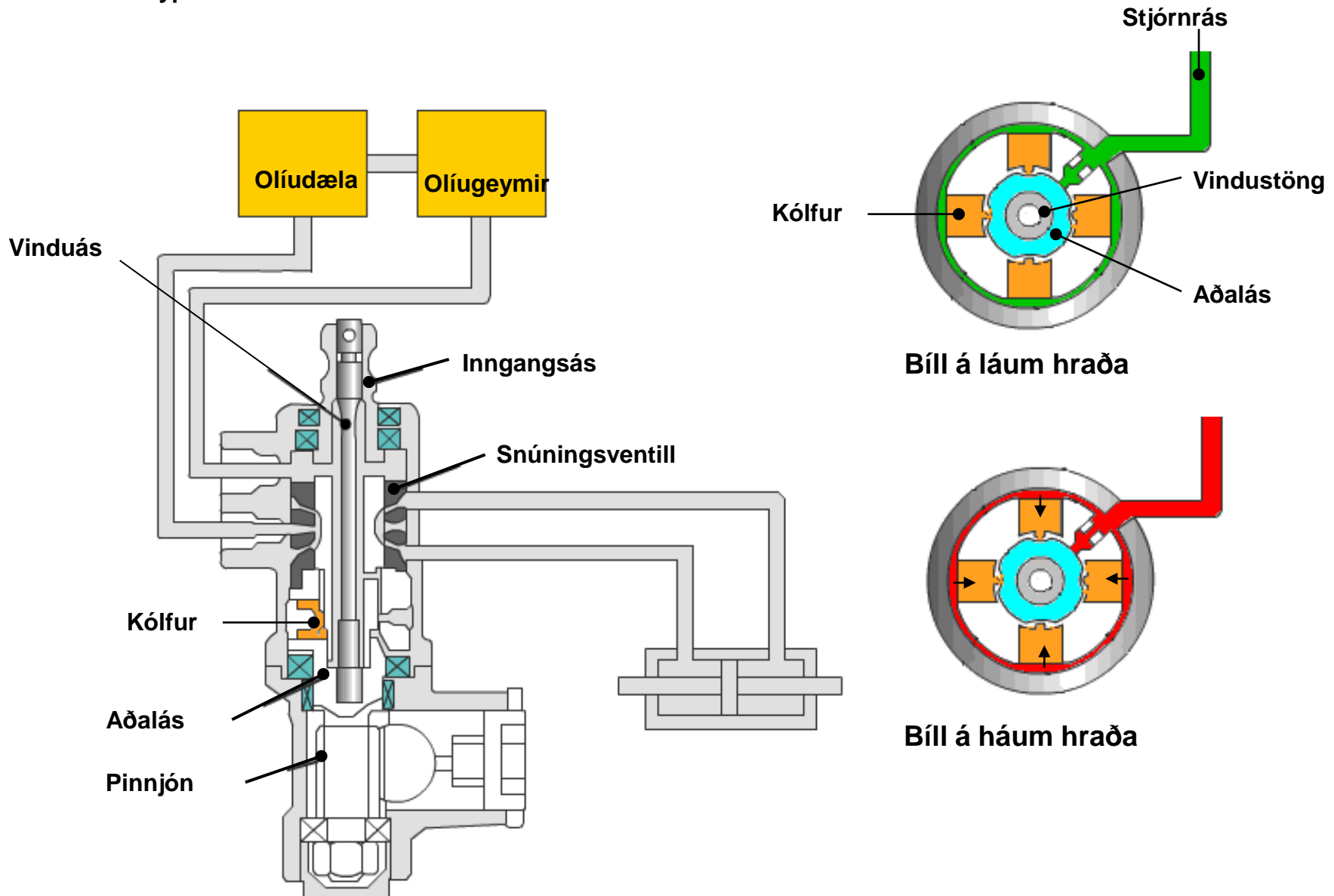


EPS Flow Control Type, LZ – Centennial (Equus)





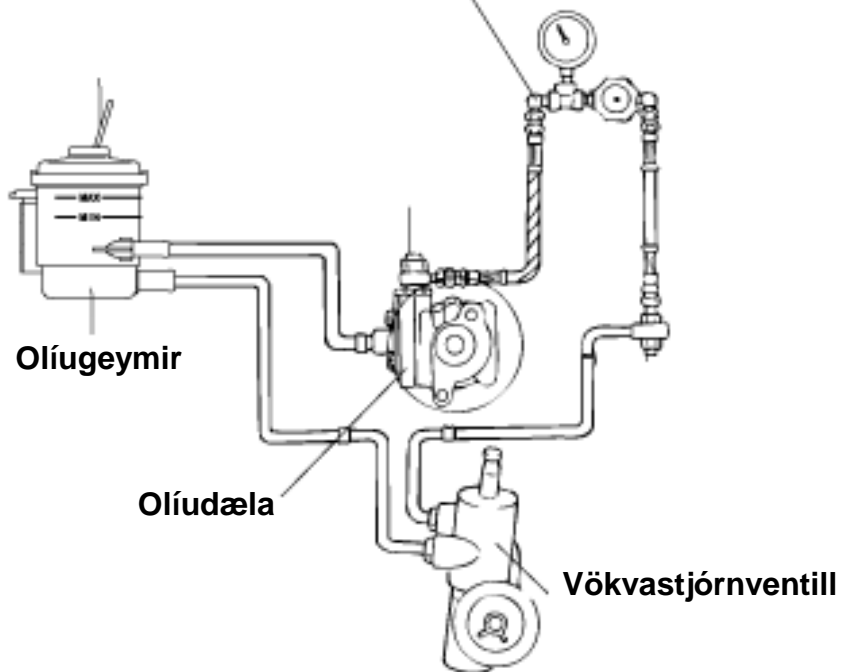
EPS Reaction Type



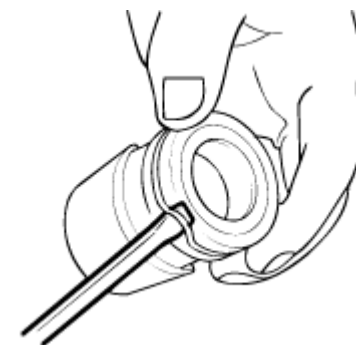
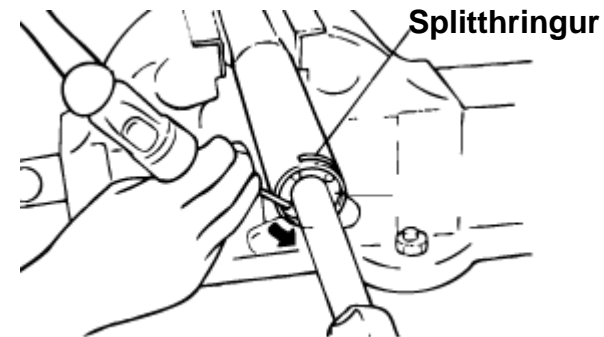


EPS Þjónusta og bilanagreining

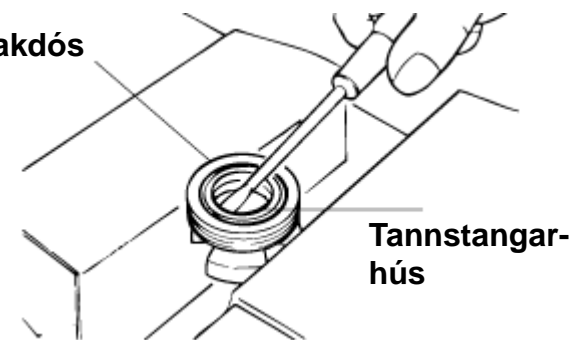
Þrýstimælir og tengibúnaður (SST)



Dæmi úr viðgerðarbók

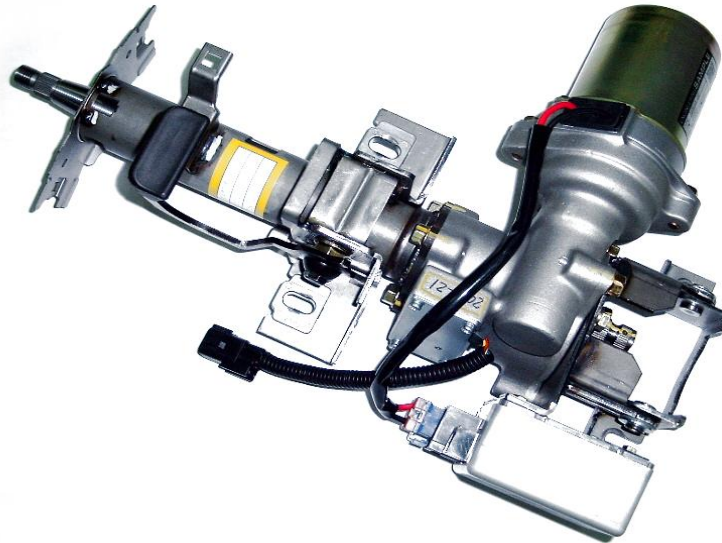


Pakdós





Mótordrifið aflstýri





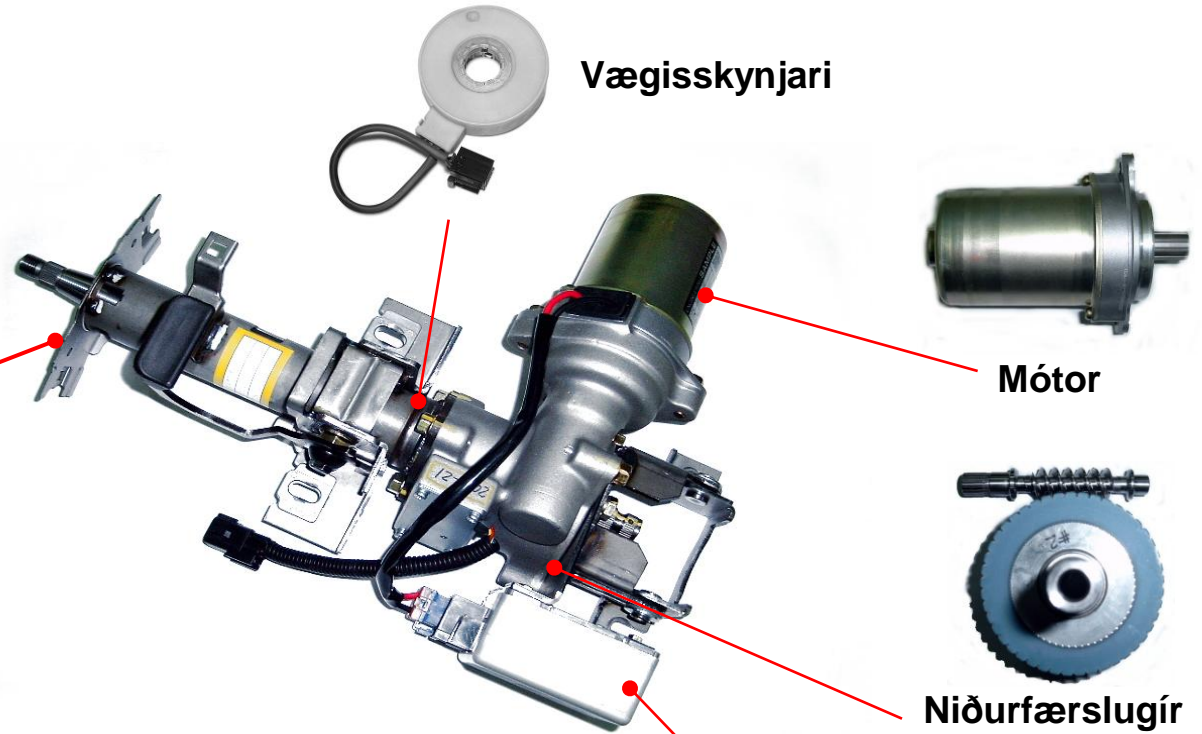
Yfirlitsmynd yfir búnaðinn



EPS Gaumljós



Gráðuskynjari



Vægisskynjari



Mótor



Niðurfærslugír



Stýrisstangar gerð



Tannstangar gerð



Pinnjón gerð

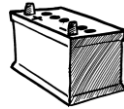


Stjórnbox



Inn- og útgangar I/O

Geymaspenna



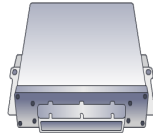
Aksturshraða skynjari



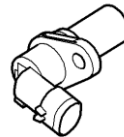
Vægisskynjari



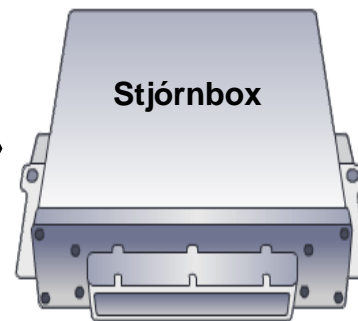
Vélarstjórn-
box (ECM)



Vélarhraði



Raunstöðuskynjari
fyrir stýrishjól



Mótor



Gaumljós

1.2 CURRENT DATA		09/16
ECU TEMPERATURE SENSOR	15 °C	▲
MOTOR TEMPERATURE	16 °C	
PERCENTAGE OF DERATING	0 %	
VEHICLE SPEED	0.0 Km/h	
FILTERED VEHICLE SPEED	0 Km/h	■
ANGLE SNSR INDX STATUS	NOT DETECT	
ENGINE STATUS	STOPPED	
CALIBRATION STATUS	CAL&INDEX	▼

FIX | SCRN | FULL | PART | GRPH | HELP

Dæmi um hreyfistjórnun

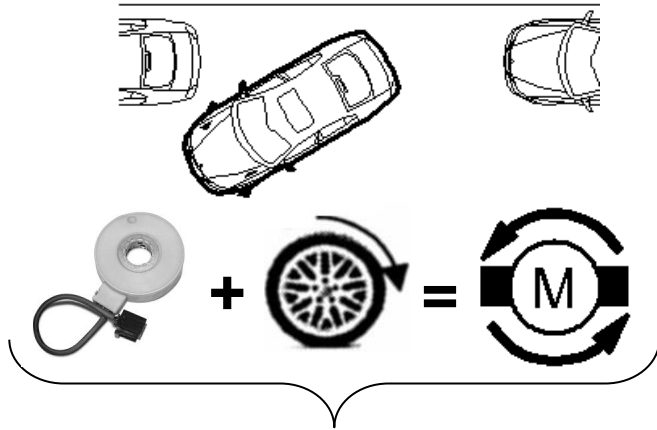
1.2 CURRENT DATA		14/16
MOTOR TEMPERATURE	16 °C	▲
PERCENTAGE OF DERATING	0 %	
VEHICLE SPEED	0.0 Km/h	
FILTERED VEHICLE SPEED	0 Km/h	
ANGLE SNSR INDX STATUS	DETECT	■
ENGINE STATUS	STOPPED	
CALIBRATION STATUS	CAL&INDEX	▼
SUPPLY VOLTAGE	12.17V	

FIX | SCRN | FULL | PART | GRPH | HELP

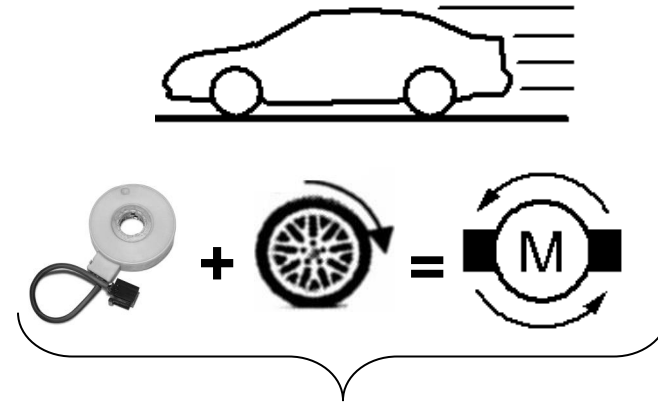
Dæmi um stöðu gráðuskynjara



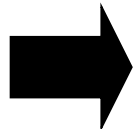
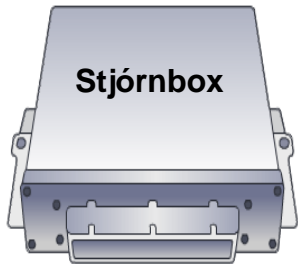
Stjórnun



Lár hraði = Mikill mótörstraumur
hátt snúningsvægi Nm



Hár hraði = Lítil mótörstraumur
lágt snúningsvægi Nm



Vörn gegn ofhitun



1.3 FLIGHT RECORD	
8.2	*STEERING WHEEL TORQUE Nm
8.2	
-8.3	
57.4	MOTOR CURRENT A
45.8	
8.8	
LIST	[T-3] [668 nS] FIX HOME

1.3 FLIGHT RECORD	
8.2	*STEERING WHEEL TORQUE Nm
8.2	
-8.3	
57.4	MOTOR CURRENT A
9.8	
8.8	
LIST	[T+1150] [4.2 M] FIX HOME

1.2 CURRENT DATA 18/16	
* MOTOR CURRENT	31 A
* ECU TEMPERATURE SENSOR	31 °C
* MOTOR TEMPERATURE	96 °C
* PERCENTAGE OF DERATING	48 %
SUPPLY VOLTAGE	14.27V
STEERING WHEEL TORQUE	-8.9 Nm
STEERING ANGLE SENSOR	-570.°
CALCULAT. ANGLE OFFSET	0 °
FIX	SCRN FULL PART GRPH HELP

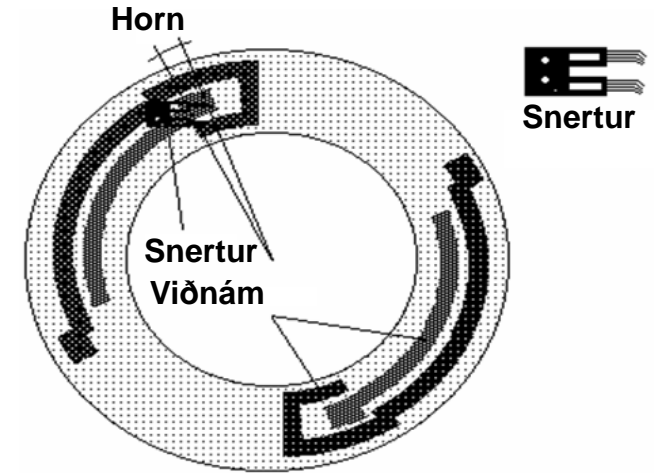
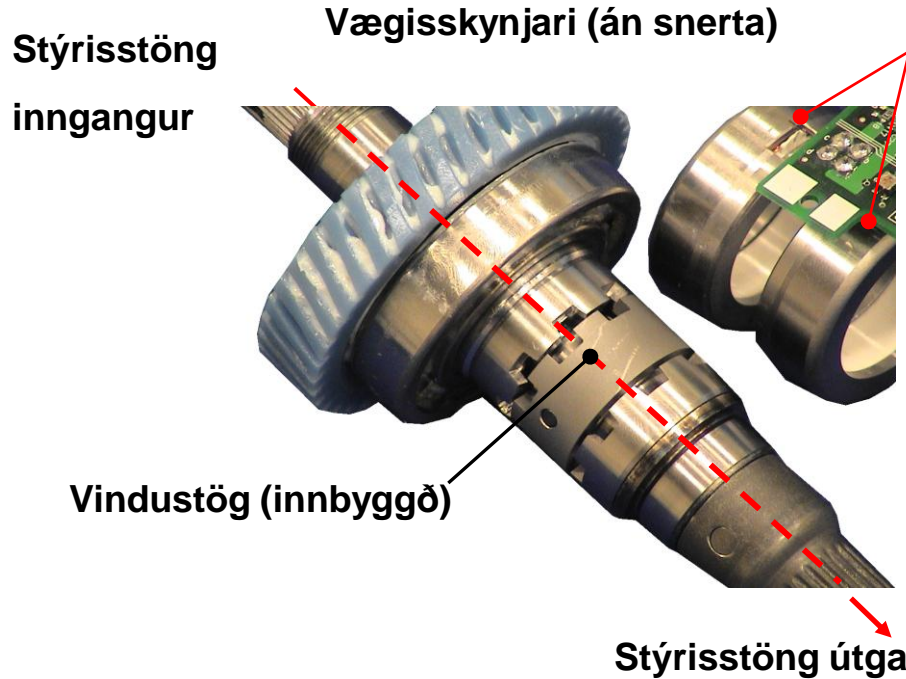


Mótor

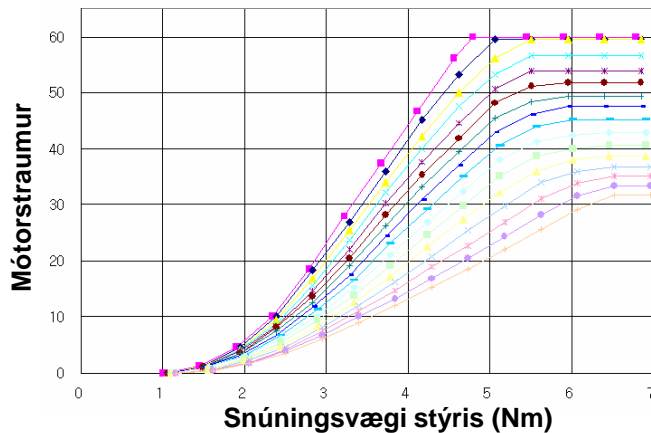
Upplýsingar úr Hi-scan



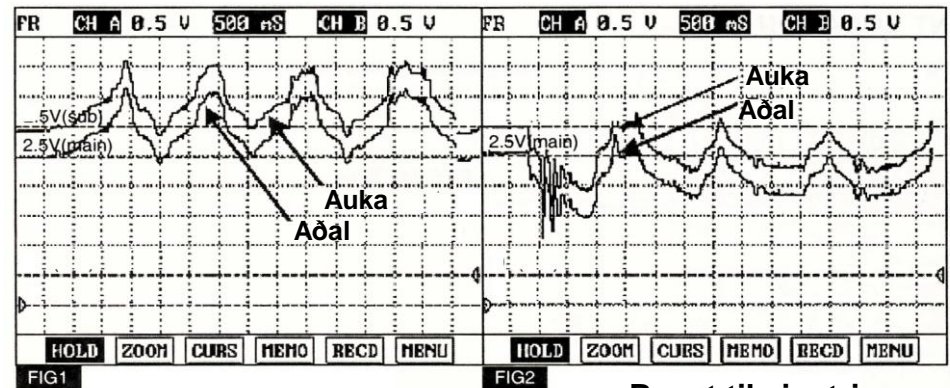
Vægisskynjarinn



Vægisskynjari (með snertum)



Vægisskynjari / mótorstraumur



Beygt til hægri

Beygt til vinstri



Þjónusta og bilanagreining

Kvörðun stjórn tölvu

1.6. ECU INITIALIZATION

THIS FUNCTION IS TO INITIAL ECU AFTER ECU EXCHANGE. PLEASE CHECK THE VEHICLE EITHER DOMESTIC OR EUROPE.

DOMESTIC EUROPE

IF YOU READY, PRESS [ENTER] KEY.

Kvörðun raunstöðu stýrisskynjara (ASP)

1. HYUNDAI VEHICLE DIAGNOSIS

MODEL : ELANTRA(HD)06-

SYSTEM : ELEC.POWER STEERING

01. DIAGNOSTIC TROUBLE CODES

02. CURRENT DATA

03. FLIGHT RECORD

04. SIMU-SCAN

05. IDENTIFICATION CHECK

06. EPS TYPE RECOGNITION

07. ASP CALIBRATION

08. DATA SETUP(UNIT CONV.)

1.7. ASP CALIBRATION

*AIM

THIS FUNCTION RESET THE ABSOLUTE STEERING POSITION VALUE TO ZERO-SET.

PERFORM THIS FUNCTION WHEN YOU REPLACE EPS CONTROL MODULE

IF YOU READY, PRESS[ENTER] KEY.

1.2 CURRENT DATA 14/16

MOTOR TEMPERATURE	16	°C
PERCENTAGE OF DERATING	0	%
VEHICLE SPEED	0.0	Km/h
FILTERED VEHICLE SPEED	0	Km/h
ANGLE SNSR INDX STATUS	DETECT	
ENGINE STATUS	STOPPED	
CALIBRATION STATUS	CAL&INDEX	
SUPPLY VOLTAGE	12.17V	

FIX SCRN FULL PART GRPH HELP