



MVA Highway Safety Office (MHSO)





MHSO MISSION

The Motor Vehicle Administration's Highway Safety Office is dedicated to saving lives and preventing injuries by reducing the number and severity of motor vehicle crashes through the administration of a comprehensive and effective network of traffic safety programs.







Helping Mature Drivers Find Their Safest Fit



- 12-pt checklist
- Education and Resources
- www.car-fit.org



WHAT IS CARFIT FOR THE AGING DRIVER?

- Educational program created by the American Society on Aging developed in collaboration with AAA (American Automobile Association), AARP and the American Occupational Therapy Association (AOTA)
- Free community event that offers older adults the opportunity to check how safe they are in their vehicles
- Provides information and community-specific resources to enhance their safety as drivers, and/or increase their mobility in the community



VIDEO: A MESSAGE FROM THE CARFIT PARTNERS









https://www.youtube.com/watch?v=bMKsajxZJfc



A DRIVE-THROUGH PROGRAM WITH DRIVER SEATED IN THEIR CAR

- Located at:
 - Senior community centers
 - Faith-based organizations
 - Fire stations
 - Senior Independent Housing
 - And more!
- Takes 20-30 minutes





TYPICAL CARFIT EVENT & STATIONS





#2

Checkup

Technicians

-teams of 2



Check-out

Experienced
Technician,
Occupational

Therapist



EXIT

WHAT HAPPENS DURING A CARFIT CHECK?

CARFIT DATE PARTICIPANT #	VEHICLE N	MAKE, MOD	DEL & YEAR	 MIRRORS, NECK MOBILITY AND BLIND SPOT Proper minor position a imposant no safe along in order to see all around the vertices. Mobiley of the head, next and in blind option to be missed of the relocate before managing or changing blands. 	tors enadre a	ariver xo	e cheak for
Was driver wearing sentited when they arrived at event?		1410		Can the driver identify the volunteer's cue using the LEFT side view mirror?	Yes	No	
Was driver wearing seattleff when they arrived at event?	DY DN	DNA		Can the driver identify the volunteer's cue using the RIGHT side view mirror?	Yes	No	
				Can the driver identify the volunteer's oue using the REARVEW mirror?	Yes.	No.	v.
				If no, review mirror control locations and offer tips for gradual adjustment of mirrors.			
Responses with any ✔ circled should be brought to the attention of the occupational therapist [OT] or driving rehabilitation specialist at				is neck rotation adequate to see cue in blind spot area by looking over LEFT shoulder?	Yes	Yes	v
checkout. If an OT is not available, refer to the CarFit Local Resource Guide for information and local resources.				is neck rotation adequate to see cue in blind spot area by looking over RIGHT shoulder?	Yes	Yes	~
1. DRIVER OF VEHICLE: "Welcome to Carfit. For the next 20 minutes we look forward to reviewing you	ur vehicle's	safety featu	res and	If he, review matter control locations.			
providing education that supports your comfort and safety in your vehicle." Remind the driver that wher vehicle, seat position, steering wheel tilt, and mirror positions may differ.				 HOW MIRRORS WORK TOGETHER The combination of the rearriew mirror, side view mirrors and over the shoulder check offer openial visibility of the driver. 	ty environme	nt.	
"To begin, may I have your permission to take a quick measurement of your current seat position?"				Right: (Rechnician starting from 10 feet behind vehicle) Can the driver identify cue in rearview mirror then	Yes	No.	v
Conduct Pre-measurement. A. Distance between chest and steering wheel			inches	side view mirror followed by over the shoulder blind spot check, reflecting visibility that includes blind spot?			
S. Line of sight above strening wheel			inches	Left: (Technician starting from 10 feet behind venicle) Can the driver identify oue in rean/lew mirror then side-view mirror followed by over the shoulder blind upot check, reflecting visibility that includes blind sport	Yes	No	~
Before we move on, do you have any specific questions of us?		Yes	No	Optional education on the use of the blind spot and giare reduction strategy: Was Blind Spot Glare Elimination (ISG) education offered?	Yes.	No.	
 SEAT BELT Wearing a searbeit correctly reduces chance of ejection, seeps a person in place, and absorbs energy forces di. 				10. OPERATION OF VEHICLE CONTROLS			
	rngaoas		No.	Localing and operating website controls is essential to safe driving.			
Does the driver wear the seat belt every time they drive? If no, why?		Yes	No	Are left and right turn signals functioning?	Yes	No	Unsure
is the shoulder belt positioned to cross at mid-colar bone? (Check seet belt height adjuster)	Yes:	No.	~	Are headights functioning, even if lights are automatic?	Yes	No	Unsure
is the lap bet positioned low across the hips / strong pelvic bones?	Yes	No		Are high beams in working order?	Ves	No	Unsure
to the kep delt positioned law author the right / strong pewel borner? Can the driver comfortably unbuckle, let belt refract, then reach and buckle the seaf belt?	100	No		Are broke lights in working order?	Yes	No	Unsure
2. STEERING WHEEL TILT	res	NO	~	Can the driver identify controls for windshield wipers?	Yes.	No.	Unsure
a. STEEKING WHIEEL TRU! The six of the sevening wheel devermines the angle in which the airbay depolys.				Can the driver identify location of emergency/ parking brake?	Yes	. No	Unsure
Is the steering wheel properly titled? (towards the driver's chest, not face)	Yes	No	~	Comments describing disconfort with reach and/or operation of vehicle controls:			
Can the driver adjust (Sit/Intercope) the steering wheel using the release lever?	Yes	No	N/A	11. VEHICLE TECHNOLOGIES AND WARNING DEVICES			
Can the driver view the speedometer and most of the instrument panel with ease?	795	No	V	Awareness of your venicle's exchnologies can make driving safer.			
4. DISTANCE BETWEEN CHEST AND AIRSAG	1100	7807		Does vehicle have a backup camera?	Yes	No	Linsure
Sering no close to the airbay can cause serious arany to the upper body.				Does vishicle have forward collision warning?	Yes	No.	Unsure
is the driver able to sit at least 10" away from airbag housed in steering wheel?	Yes	No	~	Does versicle have adaptive headlights?	Yes	No.	Unsure.
If no, can the driver adjust sest base and/or back to achieve ideal distance?	Yes	No	N/A	Does vehicle have lane departure warning?	701	No	Linsure
5. LINE OF SIGHT ABOVE STEERING WHEEL			-	Does vehicle have blind spot warning?	Yes.	No	Unsure
Visibility surrounding the vehicle to front and sides is critical for safe driving.				Does the driver have verticle safety technologies turned on (If applicable)? If no, why?	Yes	No	Unsure
Line of sight should not be restricted by dashboard, sweeting wheel, or other lems.				Can the driver identify and operate energency flashers/hazard lights?	Yes	No	~
Does the driver report an unobstructed view at least 3 inches over the steering wheel?	Yes	No	~	It vehicle from in working order?	Yes	No	*
Can the driver adjust seat base and/or back to improve line of sight, if needed?	Yes	No	N/A	Hand the dipboard to the driver and instruct them to proceed to the checkout station.			
6. HEAD RESTRAINT				12. FINAL REVIEW AND CHECKOUT			
The head receive proeces she driver from whiplash and other injuries, parocularly if the vehicle is rear-ended.				Ask ete driver to sake the fullowing poor-education measurements:			
Does the vehicle have an adjustable head restraint?	Yes	No		Reinforce goal of sitting 10 inches plus away from steering wheel that houses the airbag.	10*-	_	than 10°
if yes, is the head restraint property adjusted?	Yes	No		Reinforce goal of unobstructed line of signt is 3 inches plus above steering wheel.	3*+	Less	than 3"
7. GAS AND BRAKE PEDALS				The following items may be completed by a trained Technician:			
Safe position allows the driver to fully depress brake and gas (and cluich if applicable) .				is the driver aware of any notable dental scratches on the vehicle?	Y	_	No.
Looking at the road ahead, hands on steering wheel and without looking at feet, can the driver reach and fully	785	No	~	Wiss education provided on tire tread, pressure, etc.		d.	No
deprets pedalsnot reaching with toes?				Was education provided on importance of clean headlights, windshield, and sensors (if applicable)?	- Y	15	No
If the driver has a clutch can they completely depress and hold the clutch in?	Yes	No	N/A	To be completed at checkout ONLY when occupational therapist (OT) is present.			
Are there impediments to movement between gas and brake (shoes, floor mat, floor ciutter)?	Yes	No	~	Invite the driver to exit their vehicle and walk around the perimeter with OT by their side. Old the driver exit and enter the vehicle with ease?	1.4		Min
Can the driver locate and operate controls to move seat forward/backward to achieve local distance to gas or brake?	Yes	No	N/A	Use the driver excluded on adaptive devices that may be useful for the driver or passenger?	- 4	ns.	No.
Has the driver achieved a safe and comfortable fit to reach and operate pedan?"	Yes	No	~	Fyrm, please describe. General Notes and Comments.			

The 12-Point Checklist

- Seat Belt
- Mirrors and Blind Spots
- Steering Wheel Tilt
- Head Restraint
- Gas/Brake Pedals
- Vehicle Technology



SEAT BELT

- Review the seat belt height adjuster on vehicle
- Ensure shoulder and lap belt are positioned correctly
- Ask the driver to unbuckle and buckle to check for any difficulty/pain with reaching







STEERING WHEEL TILT

- Review the location of the airbag and space needed to deploy
- Ensure they can operate tilt and telescoping features
- Check that angle is safest for airbag deployment and they can see over dashboard





HEAD RESTRAINT

- Demonstrate how to adjust up/down and other movement as allowed by vehicle
- Review the correct height of restraint and how it protects against whiplash
- Review importance of not too much distance between head and restraint

TOO LOW



TOO FAR AWAY



TOUCHING IS OK





GAS & BRAKE PEDALS

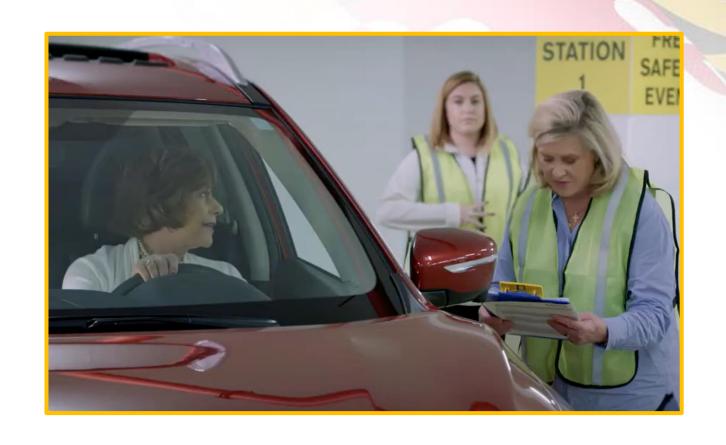
- Ask driver to depress gas pedal and then brake pedal and ensure they're not looking down
- Check for loose floor mats and/or other items that impede gas/brake pedals
- Ensure comfortable bend in knee to alleviate chance of fatigue





MIRRORS, NECK MOBILITY & BLIND SPOTS

- Ensure driver can see objects in rear and side view mirrors
- Demonstrate driver's blind spots by moving around vehicle, suggesting adjustment if needed
- Note any pain/stiffness of neck for OT to address at check-out





THE OCCUPATIONAL THERAPIST ROLE

- Trained to understand challenges drivers may be concerned about related to body structure, medical diagnoses and/or aging
- Correlate some of the driver's disclosed concerns (stiffness, pain, etc.)
 with driving risk
- May select and demonstrate sample adaptive devices









CARFIT EVENTS

Counties include:

- Montgomery
- Harford
- Charles
- Frederick
- Baltimore

CARFIT SAFETY EVENT





Helping Mature Drivers Find Their Safest Fi

Senior adults experience physical changes that can decrease range of motion impacting their vehicle safety.

A trained CarFit technician will educate the senior driver and complete a 12-poin checklist focusing on improving their safety and comfort.

TUESDAY, JUNE 20, 2023

11:00 AM - 2:00 PM

ST. MARY MAGDALEN MISSION 1716 E CHURCHVILL ROAD, 21015



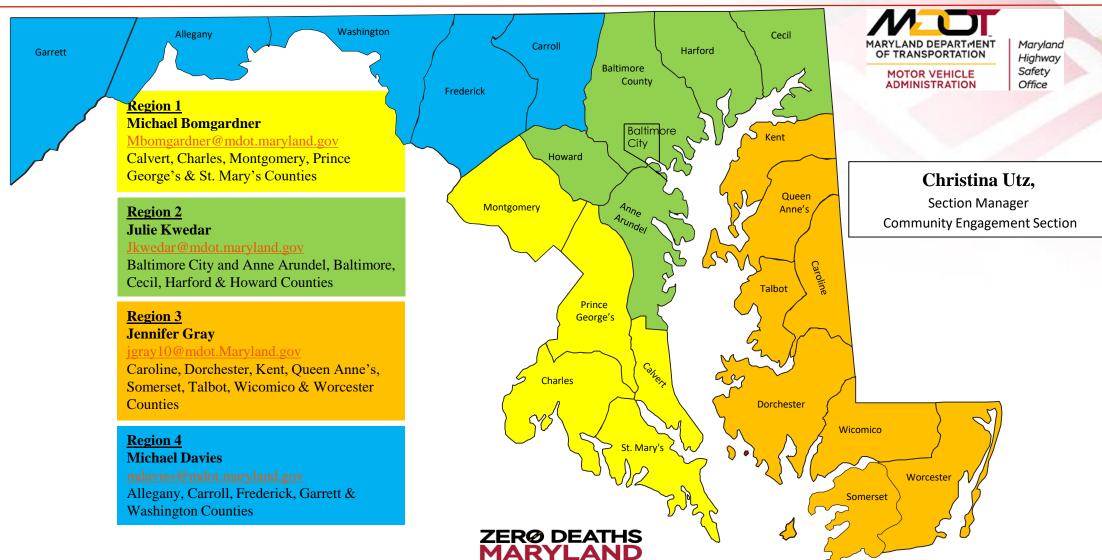








COMMUNITY ENGAGEMENT SECTION



FIND US ONLINE!





@ZeroDeathsMD





ZeroDeathsMD.gov



Questions?

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