

Physical Assessment
 - U/E and L/E ROM and Strength, Coordination and Sensation
 - Neck ROM and Trunk Control
 - Brake Reaction Time and Accuracy

Brake reaction times within age related norms and appropriate quality, adequate ROM, strength, endurance and sensation for operation of a typical right foot accelerator

Brake reaction times within age related norms, appropriate quality and accuracy while using two feet

Adequate ROM, strength and coordination in bilateral upper extremities to complete hand over hand steering and operate secondary controls

Refer for on road assessment and proceed to upper extremity assessment

Left L/E functional for operation of a left foot accelerator
 - Reaction Time within age related norms

Patient does not require vehicle modifications

Adequate ROM, Coordination and Hand Function to use regular steering wheel with one hand

No cognitive/perceptual concerns- Refer to DFAM for on road test with provincial examiner

Bilateral upper extremities functional for use of hand controls
 - Adequate ROM, strength and coordination in bilateral upper extremities

Adequate ROM, and grip strength to hold right or left spinner knob

Consult with DETS coordinator regarding potential for zero effort steering

ROM in left arm adequate for using the signal indicator

Consult DETS coordinator regarding steering wheel modifications

Refer for on road assessment and proceed to steering wheel adaptation portion of decision tree

Consult with DETS coordinator regarding potential for electronic gas/brake modification

Patient does not require signalling adaptation

Patient will require signal extender (if using right spinner knob)

Do not require signal extender with hand controls

Refer patient to DETS coordinator and/or for on road if:
 -cognitive/behavioural/perceptual concerns are present
 - patient requires training/education
 - patient requests additional on road practice
 -second opinion required

Factors to Consider when Prescribing Equipment:
 - Potential for Improvement (Age, Diagnosis, Length of Time Post Injury, Prognosis)
 - Ability to Learn (eg. Driving experience)
 - Patient preference
 - Funding/Cost of Adaptations
 - Need for Retraining

